



ANNUAL REPORT 2018 - 2019

FACULTY OF MEDICINE
HEALTH SCIENCES CENTER
KUWAIT UNIVERSITY



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Academic & Student Affairs

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Vice Dean
Research & Postgraduate Studies

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INTRODUCTION

INTRODUCTION

We are in an era where knowledge is expanding at an unprecedented rate and moral values are being challenged. To prepare our younger generation to meet the challenges of an ever advancing knowledge-based society and the dynamic changing environment, it is not enough to impart them with mere "Knowledge", Instead, we have to help them develop a global outlook, equip them with a repertoire of skills and the positive attitudes to respect knowledge and to learn how to learn.

The academic year 2018 – 2019 was marked with several achievements for Faculty of Medicine. We saw significant progress in each pillar of our strategic plan: leadership, education, discovery, community and clinical excellence. The eight batch of the students who have started the new curriculum has graduated this year with M.D. degree, which adds a golden feather to the cap of the Faculty of Medicine.

We have remarkably creative and innovate faculty who are advancing knowledge and working to improve the health and wellness of people around the world. The collective efforts of our academic staffs fosters the next generation of brilliant minds in medicine and health sciences.

Improvements on the curriculum are being made as we go forward, we must bear in mind that curriculum development is an ongoing endeavor and the ultimate goal of curriculum reform is to benefit students and to raise the quality of learning. Curriculum analysis is an important task in detecting the validity of assumptions behind the curriculum and to assess its perspectives, goals and objectives. The eighth batch of the students who have gone through the new curriculum have graduated in June 2019. The reformation of the program had a major impact in developing clinical capabilities in new graduates and we have received a very positive impression of the delivery of education at Faculty of Medicine. The faculty has appointed a Curriculum Review Committee as the curriculum of a medical school needs multiple reviews and amendments to cope with the continuous change in medical field and the educational context.

The office of Vice Dean for academic and student affairs was very active in providing our staff with the support they needed in terms of providing staff development workshops on different aspects of curriculum development and implementation.

The examination office has been established recently in the administration area; now there is a big area to conduct examinations for all years. The reading room was renovated from a generous donation from Dr. Khalid Al-Nassar. The construction of the new dissecting room is completed and we will be opening soon. This facility is now widely used by other Higher Institutes of Learning in the country as well. The University is in the process of approving the long awaited furnishing of the lecture theatres.

Research activities also witnessed remarkable progress and growth. The number and quality of published articles in 2018- 2019 has been remarkable and the faculty of medicine continue to be one of the most productive institution in research in the region. The number of publications and the number of grants have showed a remarkable increase during this year, comparing to the previous years, in spite of budget restraints. Approximately 55 research grants are going on.

The faculty is facing the unending problem of uninterrupted food supply to the animal house due to the budget restrictions and bureaucratic obstacles, which has resulted in reducing the colonies of animal breed. This is affecting the research productivity. Though this facility is utilized by all the HSC faculties, the budget and personnel are the burden of the Faculty of Medicine.

The faculty is negotiating with the university to install a new Electron Microscopes, to replace the old ones. This will make the faculty to have the most up-to-date and advances technology in Electron Microscopy.

Despite numerous bureaucratic obstacles, the Office of the Vice Dean for Administration and Finance has succeeded to recruit a number of talented academic and support staff. However, the Department face undue delay in the recruitment process, which is frustrating. The delay has caused us losing some of the best candidates who had agreed to join the Faculty as staff. Many senior members of the Faculty are retiring and hiring of new staff needs to be accelerated

For accreditation, the faculty has completed self-evaluation report according to the TEPDAD.. The University Council has approved TEPDAD and recently a contract has been signed by President of Kuwait University and Chairman of TEPDAD for Accreditation of our medical school. First 50% advance money for the evaluation will be transferred soon and hopefully within 6 months the medical school will be accredited by an international body recognized by “World Federation of Medical Education”.

All in all 2018-2019 has been a gratifying year. The credit also goes to the former Deans and Vice Deans whose loyal servitude to this institution has been instrumental to the realization of these goals. But none of this could have been possible without the heroic and altruistic spirit of our academic, support and administrative staff. It is they who worked diligently to provide first class education to our students and to produce high quality research despite the numerous challenges they confronted. I salute them and wish them all the best.

Adel K. Ayed, B.M., B.Ch., F.R.C.S.(C), F.C.C.P, F.A.C.S
Dean
Faculty of Medicine

ADMINISTRATION

**VICE-DEAN FOR
CLINICAL AFFAIRS, CONSULTATION
& TRAINING**

INTRODUCTION

Most of the activities of the office of Vice-Dean for Clinical Affairs, Consultation & Training are included in the sections which work under this office. The office of Vice-Dean for Clinical affairs, Consultation & Training is involved with various administrative activities and financial aspects of the Faculty. Following are brief descriptions of various tasks performed by this office in the past Academic year:

1. Support Academic Staff

a) Promotions:

Six teaching assistants were promoted this year (two in Microbiology, one in Biochemistry, two in Physiology and one in Pharmacology & Toxicology).

b) Appointments:

One teaching assistant joined the Faculty this year (one in Microbiology.) Two nominations for teaching assistant position for the Department of Anatomy is awaiting approval from the Rector's office.

c) Advertisements:

Four departments forwarded advertisement requests to the office of the Vice President for Academic Affairs (two teaching assistant positions in Pathology, one teaching assistant and one clinical instructor position in Pharmacology & Toxicology, one teaching assistant position in Community Medicine and three clinical instructor positions in Surgery).

2. Technical and Administrative staff:

Overall there were twenty-nine resignations/retirements in the past year which have been replaced by twenty-two new staff.

3. Instrument Committee:

This year all requests were reviewed by VDCA.

A more detailed report related to the VDCA offices is attached.

Office of the Vice-Dean for Clinical affairs, consultation & training

STAFF MEMBERS:

Vice-Dean for Clinical affairs, consultation & training: Prof. Maie D. Al-Bader

Support Staff:

Mrs. Rekha Biju	– Technician.
Ms. Hessah. Ibrahim Faraj	– Coordination for Administration & Transaction.
Ms. Fatma Al-Zahra Yaqot	– Executive secretary.

Administrative Manager:

Mr. Adel Mohammad Al- Rabab	- Administrative Manager.
Mr. Mohamed El-Morsy	- Programmer/ secretary.
Mr. Mohammed Sulaiman	- Lab Technician
Mr. Ramzi Jad	- Executive Server

Support Academic Staff:

Mrs. Abeer Alsedairawi	– Acting Chairperson of Support Academic Affairs.
Mrs. Manal Onsy	– Accountant.
Mrs. Nibi John Babu	– Engineer.

Personnel:

Ms. Hessah Ebrahim Faraj	- Acting chairperson of personnel.
Mrs. Shatha Al-Shakhes	– Assistant Engineer.
Mrs. Suhair Adnan	– Senior System Analyst.
Mr. Ahmed Yousef Mohammed	– Mail Employee.

Finance and Purchasing:

Mr. Hussain Al- Tabtabaei	- Acting chairperson of Finance and Purchasing.
Ms. Yosra Ebrahim Mahmoud	– Executive Secretary.
Mr. Sherif A. Subhi	- Senior Accountant.
Mr. Waleed Salah Eldin	– Senior Accountant.
Ms. Latifa Salem Ben Fereh	– Accountant.
Mr. Abdullah Al-Mutawa	- Junior Accountant.
Mr. Sadeq S Ali	– Programmer.
Mr. Roben Jacob Walanjatil	- Engineer.
Mr. Mohamood Ahmed Mehran	– Store keeper.

Consultation and training office:

Mr. Mohammed Taher	– Director of Consultation and training office.
Ms. Yasmeen Al-Bader	– Administrative Documentation Coordinator.

Health & Safety:

Ms. Zahraa Al-Tamimi	- Safety Officer
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Service Department:

Mr. Abdullah Fadel Ali	- Acting chairperson of Service Department.
Mr. Abdulaziz A. Mesbah	– Data Recorder.
Mr. Mohammed A. Sadeq	- Assistant Administrative Coordinator
Mr. Sayed Wazir Hussain	– Technician.
Mr. Ninan Geevarghese	– Junior Technician.
Mr. Nader A. Subhi	– Technician.
Mr. Raef Mohammad	– Messenger.
Mr. Ahmed Abdel allah	– Messenger.

Medical Photography Unit

Mr. Mohammad Siddique	– Chief Technician.
Ms. Dana Khalid Al-Jarallah	– Junior Researcher.
Mr. Zakir Hussain	– Technician.

Bio-Medical Engineering Unit:

Dr. Ali Shuaib	– Director.
Dr. Ali Boursley	– Academic staff
Dr. Laila Habib	– Academic staff
Mr. Vladmir Zika	– Chief Technician.
Mr. Rudolf Kusy	– Chief Technician.
Mrs. Grace Gejo	– Engineer.

Mail Section:

Mr. Awad Obeid Mubark	– In charge of mail.
Mr. Aymen A. Al-Ghorab	– Messenger.
Mr. Simon Ninan	– Messenger.
Mr. Babour Al-Hasan	- Messenger.

SERVICES & PURSUANCE DEPARTMENT

DUTIES AND RESPONSIBILITIES

- Services Department accomplish the requirements of all scientific and nonscientific departments. The nature of works includes, oversee the Civil, Mechanical, Electrical, Plumbing works & Cleaning Company tasks. As well as Services Department Monitor and co-ordinate with other contracting Companies work in F.O.M.
- Services Dept. assist and meet some of the requirements of student's activities and other conferences, seminars, exhibitions & workshops in F.O.M.
- More over services Dept. handle the transfer/clearing personal items (office equipment only) from the personal inventory.
- We carry out most of the requirements of the F.O.M have been implemented by the support of various administrative departments; such as Planning department, Construction & Maintenance department, Housing and Furnishing department, Store Department, Information Systems and General Services department.

Following are the Works implemented in Faculty of Medicine

- Letter sent to construction & Maintenance dept. to Replace the current number board to reflecting type Board and do the necessary maintenance work including painting in parking Building. (Work postponed by Construction & Maintenance Dept.)
- As per the regulation from EPA, the cleaning company office shifted to outside building and provided all facilities including split A/C units, water boiler etc...
- Due to our regular checking, we found that some AHU fresh air openings are Covered with plastic sheets, so we officially complained to construction & Maintenance dept. regarding this. We Received a reply letter informing that, it was happened due to the maintenance of automatic control system (BAS). (Work Done)
- As per the circular from vice president of HSC, that lab coats are not allowed to wear the public places such as cafeteria, lobby, rest area etc... due to safety reason. sent letter to Safety and security department to prevent to enter those who wear lab coats in the restricted places. (work Refused by Safety & Security Dept.)
- Letter sent to construction & Maintenance dept. to Replace the present florescent lamp to LED Lamps in all Lecture theaters. (Work postponed by Construction & Maintenance Dept.)
- Due to the shortage of space for PBL classes; letter sent to Planning Department to convert MDL 3,4 & 8 for PBL classes. (up on request from Vice Dean Academic), (work Pending).
- Letter sent to construction & Maintenance dept. to de activate the connection of curtains which is controlled by computer in Lecture theatre 141 and made necessary arrangement to operate them by manually. (work Done).
- Letter sent to construction & Maintenance dept. to do maintenance for the 4 security doors in lab 532 & 533 in microbiology Dept. Due to the cancellation of contract with Tariq & Gulf

Group of Company. Maintenance dept. agreed to include these doors on upcoming contract. (up on request from Department) (work Done).

- Letter sent to construction & Maintenance dept. to replace normal glass door to automatic doors in Main entrance gate 1 & 2. (work Pending).
- As per the letter from KUMSA to replace 3 split units A/C in Boys rest room, we find out these A/Cs are in working properly. So request to maintenance dept. to do proper maintenance. (work done).
- Letter sent to construction & Maintenance dept. to install a 32 amps' socket in RCF Building. (up on request from RCF) (work done).
- Letter sent to construction & Maintenance dept. to change down light to LED in room 444A. (up on request from MPP). (work done).
- Letter sent to planning department to divide Lab 341 in to 2 offices with lab in Physiology Dept. we received an approval letter from planning department mentioned that, this work will include in upcoming contract. (up on request from Department), (Work Pending).
- Made Necessary arrangement to repair and replace 25 soft boards for poster day Boards. (work done)
- Letter sent to construction & Maintenance dept. to re locate counter for girls in cafeteria due to the commencement of new coffee shop. (work done).
- Letter sent to planning department to divide office 342A & 342 B with new entrance from lab 341 in Physiology Dept. (up on request from Department), (Work will start soon).
- Made Necessary arrangement to provide water, drainage & electricity supply for new coming coffee shops in cafeteria. (work done).
- As per our future plan of past years, Letter sent to construction & Maintenance dept. to change vinyl flooring of corridors from 2nd floor to 5th floor, (work under correspondence.)
- Made Necessary arrangement to demonstrate the use of fire extinguishers with the help of fire and safety department. (up on request from Department), (Work Done).
- Letter sent to construction & Maintenance dept. to change present glass/wooden door with automatic door in EM Unit, main Entrance. (up on request from Department), (Work Pending).
- Letter received from the Chairman of Clinical Skills labs, regarding the leaking from ceiling, A/C problems, ceiling damage and need to painting full units. We found that, the leaking from ceiling is causes the cooling pipes joints are not properly fixed in 2 rooms and solved the A/C problems. (Work Done).

- sent letter to Construction & maintenance dept. to do necessary steps to stop leaking from the expansion joints, painting full unit and replace damage ceilings. (Work Pending- during summer vacation).
- Made Necessary arrangement to provide electrical a socket in clinical skills lab, Physiology dept., Anatomy Dept., Bio chemistry and community medicine. (up on request from Department), (Work Done).

General Works:

- Installed / replaced door closures, door stoppers, door handles & Door locks in different offices and Labs up on request.
- Time to time checking the power supply, air condition systems and cleaning of all seminar rooms, MDLs, and Lecture theatres.
- Regularly checking cleanness, maintenance etc. in all toilets and resolved the problems if found.
- Repair / installed telephone connections in different offices and Labs up on request.
- Replace old telephones in different offices and Labs up on request.
- Provide Electrical extension cords in required Labs and offices for computers up on request.
- Install or re-locate network cables through Trunking in different Labs and offices up on request.
- Paint different Labs and offices in various Departments up on request.
- Provide furniture / telephone line & set for newly appointed staffs from, respective departments and Provide extra furniture or replaced old furniture from different departments up on request.
- Replace old furniture with new furniture in various departments up on request.
- Install carpets and window curtains in various departments up on request.
- Cleaning the carpets and chairs in various departments up on request.
- Replaced old indoor plants and provided extra plants in various departments up on request.
- Provide & Install custom made tables & Shelves in various departments up on request.
- Made necessary arrangements for poster day, Students Activities and other programs conduct by departments and outside organizations in F.O.M.

Future Plans:

- Renovate remaining old Toilets.
- Install skylight roof for the extended cafeteria.
- Replace vinyl flooring in main entrance all floors

Suggestions:

- Change old fire alarm panels, that cannot control sound.

- Replace chairs in all lecture theaters.

Services Department - Serving Academic Staff

- Following-up the arrival of faculty members (visitors) and doing all the procedures of Visa, booking hotel and providing them cars from the Department of General Services and disbursement of allocations from the Department of Finance.
- Three external examiners doctors were received, the means of transportation and accommodation were provided and all difficulties were overcome.
- For external examiners, the Public Relations Office receives them at the airport and keeps on to remove any obstacles through their presence, while reserving a day to visit Kuwait's tourist attractions.
- Following-up the arrival of faculty members (resident) and doing all procedures of appointment and issuing the civil I.D, the Kuwaiti and international driving license also for those who wish to use it, as well as for their families.
- Helping the faculty members in all the daily routines during works at faculty and also to their families.
- To carry out the tasks entrusted to the Department by the Faculty Administration, to follow up the subjects related to the administration and the Academic members also related to the various ministries and issuing visas from different embassies in Kuwait.

A- Event Planning

- Effective participation in all seminars and workshops held at the faculty.
- Effective participation in all the conferences held by the college either inside the college building or in a hotel. The participants in these conferences are received at the airport and the hotel reservation procedures are completed and the cars are insured for them throughout the conferences.
- Conduct full supervision of any inquiries of the participants in the conferences.
- Effective participation in Global Poster Day, which is organized by the faculty yearly.
- Participating actively in the annual ceremony to mark the graduation of a new batch of students from the Faculty of Medicine.
- Preparing and supervising all concerts held at honor of the resigning professors.
- Participating in all exhibitions.

LEGAL CONSULTATION DEPARTMENT

Legal assignments are as following:

- Preparing legal response to the lawsuits papers filed against Kuwait University - Faculty of Medicine.
- Providing legal advice and opinions requested by the work center, including explanatory notes related to the regulations and laws at Kuwait University.
- Preparing notes to answer enquiries from members of the National Assembly.
- Discusses legal issues, especially administrative affairs and employment, and prepares the necessary letters and legal correspondence related to.
- Preparing response to Kuwait University operational plan 2013-2017.
- Preparing response to Kuwait University strategic plan 2018-2022.
- Preparing response to the administrative notes received from the university administration.
- Preparing legal response to the cases received from the Ministry of Justice.
- Participate in conducting administrative investigations with the faculties' staff referred for investigation.
- Reporter of faculty in Fact-Finding Committee, preparing the investigation report and drafting the committee's recommendations.
- Following up all issues related to administration with Kuwait University's departments.
- Reporter of Technical Committee for Administration and Financial Affairs - Faculty of Medicine.
- Carrying out all legal works and administration researches and other duties assigned to.

MAIL DEPARTMENT

Mail Dept. Duties:-

First:

- In Faculty of Medicine (Issuing official letters & documents from personnel & Finance Department to all Kuwait University Departments).
- Receiving internal mail of Faculty of Medicine & distributing it to all departments. Sending mail to Mubarak hospital, Faculty of Dentistry, Faculty of Pharmacy and Allied Health.
- Distributing all circulation for Faculty of Medicine.
- Receiving external correspondence from General Post Office & Kaifan Post Office. Offer a special price for express mail, distributing mail to all academic dept.

Second:

- Capital area (Al-Ameeri Hospital, Medical specialization, Kuwait Foundation for Academic Advance, Medical stores, Forensic Evidence, Private Hospital, Receiving C.V I. D, Health Centers, M/O Justice, Medical Companies, Medical licenses)
Distributing (faculty mail, Conferences invitations & Postal Parcels).

Third:

- The Mail of Khaldiya (Rector Office, All Departments in Khaldiya)
- Getting I.D, Air tickets, scientific mission, receiving cheque on behalf of staff by an Authorization, getting certificate of (salary, continuity, To Whom It May Concern, experience)
- Certificates, sending staff passports to passport section to renew residency.
- Connecting between Social Security Fund in Khaldiya & employees.

Fourth:

- Al-Sabah health region, Makei Juma'a Center, Al-Bahar Center, Al-Sabah hospital (Medicine, Surgery, Pediatrics, ENT, Allergy, Psychiatry) Al-Razzi Hospital, Ibn Seenah , Dermatology, Employment checking, (TBC), Infectious diseases, Hamed Al-Essa, Laboratories. Administration, Hearing & talking, Al-Babtain, checking premarital.
- Shuwaikh Compass, all departments in Shuwaikh, Stores Administration, maintenance & Contractions, Housing & Furniture department, Admission & Registration, Printing Press (Afaq Magazine, Sports Activities, Computer Section).
- Al-Jahra Health Region, Al-Jahra Hospital, Al-Ahmadi Health Region, Al-Adan Hospital, Jaber Al-Ahmad Hospital Military Forces, Private Hospitals of Al-Jahra & Mubarak Al-Kabeer.

SAFETY COMMITTEE

Introduction

I took over the chair of The Health and Safety Committee at the start of the academic year 2018/19. We had an introductory meeting with the staff of the Safety Department, Ms. Yasmeen Al-Bader, Ms. Zahraa Al-Tamimi and Mr. Abdulaziz Al-Mesbah. In the following days and weeks we were discussing several safety-related issues and action plans to implement regulation from the General Safety manual. A copy of the key elements has been sent to all chairmen and technicians of all Departments on 23 Sept. 2018 through the Vice-Dean's office for Clinical Affairs, Consultation and Training Administration. We discussed also the implementation of workshops and installations on safety objectives from March 2019 onwards.

1. Safety proposals

The proposed workshops were: 1. Waste Management, 2. Fire extinguisher use, and 3. Safety instructions for cleaners in their own language. Furthermore, there were two installations planned: 1. Coat hangers for lab coats outside the cafeteria and 2. Immediate acquisition of portable eye-wash flasks in all labs, since to the installation of build-in eye showers was expected to take a long time. Nevertheless, build-in eye-wash showers and whole body emergency showers were urgently demanded to be installed at highest priority.

Dr. Raed Al-Hawaj from our department suggested the acquisition of several safety materials for our labs that included: Safety laboratory gloves, large paper towel rolls, Wax paper, *First-Aid Kits*, Safety goggles, protective face shields for liquid nitrogen and disinfectant- germicide solutions. The list was presented to the chairman of the department and the Departmental Chief Technician.

We propose *First-aid* training courses for technicians and Research Assistants/, Associates.

2. Safety Information teachings

A mandatory yearly *General Safety Instruction Lecture* for all HSC personal was held on 19.11.2019 by myself.

A *Radiation-Safety Instruction Workshop* for all HSC personal was held during the time period 23.-25.4.2019, where two Radiation Safety lectures and one practical lab session was conducted by us.

We conducted mandatory Safety Instruction lectures (including lab-walks) to our new MSc students in September of 2018.

I also developed an Emergency Information Guide (EIG) software that was installed on all computers in the department. This program allows direct access to several online data banks that provide safety information for chemicals (e.g. MSDS, Pubmed Safety sheets etc.), code of practice how to deal with specific emergency situations (e.g. needle stick injury etc.) and a complete set of emergency numbers. It was also suggested that after a 3-month long test run we would recommend to install the program on all laboratory computers in the HSC.

3. Check-ups

We conducted two comprehensive safety check-ups of the Physiology laboratories in the fall of 2018. There were problems detected with some ventilated hoods that were not running and obviously not serviced for quite some time. Immediate action was taken to make them work again. I like to point out that deep-freeze refrigerators are located in the hallways that may be considered a fire evacuation obstacle. No solution was proposed on this issue.

4. Incidents

There were fume-related incidents in the department. Chemical stench was reported from laboratory 337 twice. It was figured out that it originated from the sink not the air-condition; hence the personal was advised to close the sink as an immediate emergency measure. The problem appeared to be a long lasting one, since it was seen randomly over the last years.

We noticed that AFTER the fire drill on 11.2.2019, the escape door on the roof of HSC building was locked and the emergency key was missing. DURING the fire drill, the door was open. We need at least a replacement key or keep the door unlocked all the time. Locking is not necessary since the door can only be opened from the roof side, not from the stairway outside. Nobody can get in, but escape is perfectly possible.

Besides these two problems, the fire drill was very efficient and well conducted!

Evacuation was very quick!

An *Incident Report* sheet is available with me (Dr. A. Henkel -36368) and the Chief-technician Mr. Shaji -36350 for all safety-related problems and accidents.

5. On-going safety concerns

There are still on-going safety-related issues in our department and the HSC:

1. Sporadic chemical fumes in some laboratories and the hallway.

2. I observed that laboratory coats are still worn in general areas, like cafeteria etc. We request implementation of control officers at least at the entrance of the cafeteria to prevent entrance of students and personnel with lab coats and scrubs.
3. To my knowledge, none of the **Safety Proposals**, mentioned above under #1, have been completed.

Future plans and suggestions

- We requesting the repair and maintenance of the non-functioning fume hoods and their registration for service contracts.
- Acquisition of requested laboratory safety equipment.
- Emergency showers and eye wash facilities should be installed in every department in the hallways. Request for construction of these units was sent to the university administration by the former Departmental Safety committee but no action was taken up to date.
- Strict enforcement of lab coat ban in general areas, like cafeteria, lecture halls etc. Provision of appropriate security personnel.
- Prohibition of smoking near the entrances of the faculty building.
- Conduction of fire drill at least every two years.
- Conduction of a *General Safety Instruction Lecture* to all HSC personnel every year.
- Safety instruction lectures to all cleaners and porters in their own language.

ANNUAL REPORT FOR PERSONNEL DEPARTMENT DURING THE ACADEMIC YEAR 2018-2019

Designation	Acad Staff		Seconded		Chief tech.		Technician		Tech. asst.		Secretary		Lab asst.		Farash		Admin.		Maint.		Clin instr.	
	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A	R	A
Surgery		1					1				1	1										
Medicine	2							1			1		1									
Pharmacology							1	1														
Pediatrics							1	1														
Comm.med.	1						3															
Biochemistry							1	1														
Obs. & gyn.							1															
Physiology		2					1				2	1										
Pathology							1	2														
Nuclear med.												1					1					
Radiology																						
Anatomy	1							1														
Microbiology		2					1	3														
Psychiatry							1	1									1					
Med.photo																	1					
Em. Unit																						
Medicial Edu.																						
MDL																						
Animal house							1															
Administration											3	3					5	5				
Total																						

R = Resignation A = Appointed

ACADEMIC STAFF RECRUITMENT REPORT 2018/2019

Approximately 232 applications were received. All applications were forwarded to the Departments according to routine procedures.

Five candidates were interviewed.

The breakdown of the 232 applications are detailed below:

Department	No. Applied	Rec for I.View	Rejected	Withdr.or Declined	Joined	In Process	Others
Anatomy	-	-	-	-	-	-	-
Biochemistry	46	2	-	-	-	2	-
Com.Medicine	30	-	-	-	-	1	-
Microbiology	49	-	-	-	-	-	-
Pharmacology	62	3	-	-	1	3	-
Physiology	-	-	-	-	-	-	-
Medicine	-	-	-	-	-	-	-
Nuclear Med	6	-	-	-	-	-	-
Obst. Gynae.	6	-	-	-	-	-	-
Pathology	10	-	-	-	-	-	-
Paediatrics	-	-	-	-	-	-	-
Radiology	2	-	-	-	-	-	-
Psychiatry	7	-	-	-	-	1	-
Surgery	14	-	-	-	-	-	-
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Total	<u>232</u>	<u>5</u>	<u>:</u>	<u>:</u>	<u>1</u>	<u>7</u>	<u>:</u>

Detailed lists with names and comments are on the following pages:

RECRUITMENT OFFICE

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ACADEMIC STAFF WHO JOINED

Name	Department	Post	Result	Date
Mubeen Ansari	Pharmacology	Assistant Professor	Joined	4/17/2019

RECRUITMENT OFFICE

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ACADEMIC STAFF

	Department	No. Appl.	No. Re-commnd	Name	Post	National.	Result	Reje-cted	Dec./Withd	Joi-ned	In Pr-ocess	Not Interviewed
1	ANATOMY	-	None									
2	BIOCHEMISTRY	46	2	Ayman Saleh K.Naina Sirajudeen	Assoc. Professor Assoc. Professor	Canadian Indian	In Process In Process				1 1	
3	C.M.	30	1	Ambikaipakan Senthileselvan	Visiting Professor	Canadian	In Process				1	
4	MICROBIOLOGY	49	None									
5	PHYSIOLOGY	-	-									
6	MEDICINE	-	-									
7	NUCLEAR M.	6	None									
8	OBS & GYN.	6	None									
9	PHARMACOLOGY	62	4	Mubeen Ansari	Asst. Professor	American	Joined			1		
				Balakumar Pitchai	Asst. Professor	Indian	In-Process				1	
				Mahmoud Al-Mas	Asst. Professor	Egyptian	In-Process				1	
				Ismail Laher	Visiting Professor	Canadian	In-Process				1	
10	PATHOLOGY	10	None									
11	PAEDIATRICS	-	-									

12	RADIOLOGY	2	None									
13	PSYCHIATRY	7	1	Jude Ohaeri	Visiting` Professor	Nigerian	In Process				1	
14	SURGERY	14	None									
Total No. Applied:		232	8					-	-	1	7	-

Recruitment Office

Applicant's Nationalities

Annual Report 2018/2019

Nationality Department	USA & Canada	South America	Arabs	Europe	Asia & Australia	Africa	Nationality Not Specified
Anatomy None							
Biochemistry 46	Canada 1		Tunisia 2 Egypt 22 Sudan 2 Bahrain 1 Saudi 1 Jordan 1 Kuwait 3	German 1	India 9 Pakistan 1 South Korea 1 Turkey 1		
C.M. 30	Canada 2		Yemen 1 Egyptian 17 Kuwait 1		India 4 Pakistan 1 Malaysia 1 Bangladesh 1		3
Microbiology 49	Canada 1		Lebanon 1 Egypt 29	Britian 1	India 9 Pakistan 2		

			Jordan 1 Yemen 2 Sudan 1		Turkey 1 Bangladesh 1		
Pharmacology 62	Canada 4 USA 1		Egypt 34 Kuwait 1 Yemen 2 Saudi 1 Libya 1	Britian 1 France 2 Belarusian 1	India 11 Pakistan 3		1
Physiology None							

Recruitment Office

Applicant's Nationalities

Annual Report 2018/2019

Nationality Department	USA & Canada	South America	Arabs	Europe	Asia & Australia	Africa	Nationality Not Specified
Medicine None							
Nuclear Medicine 6			Egypt 4 Syria 1	Britain 1			
Obstet. & Gynae. 6			Egypt 2	Britain 2	Indian 2		
Pathology 10			Egypt 5 Algeria 1 Kuwait 1 Sudan 1		Indian 1		1
Pediatrics None							1
Radiology 2			Egypt 1 Kuwait 1				
Psychiatry 7			Egypt 1 Kuwait 2	Ireland 1	Australia 1 India 1	Nigeria 1	
Surgery 14	Canada 1		Sudan 1 Egypt 9 Jordan 1 Kuwait 2				

SUMMARY

Nationality Department	USA & Canada	South America	Arabs	Europe	Asia & Australia	Africa	Nationality Not Specified
Anatomy -	Canada 9		Tunisia 2	Belarusia 1	India 38	Nigeria 1	Ant. -
Biochem. 46			Egypt 124	Britain 5	Australia 2		Bio. -
C.M. 30			Jordan 2	Ireland 1	South Korea 1		C.M. -
Micro. 49			Syria 1	German 1	Pakistan 7		Mic. -
Pharma. 62			Bahrain 1	France 1	Malaysia 1		Phar. -
Physio. -			Tunisia 2		Bangladesh 1		Phys -
Medicine -			Libya 1		Taiwan 1		Med. -
N. Med. 6			Saudi 2		Turkey 2		N.Med -
OBG. 6			Yemen 5				OBG. -
Pathology 10			Algeria 1				Path. 1
Pediatrics -			Sudan 5				Ped. 1
Radiology 2			Lebanon 1				Radi. -
Psych. 7			Kuwait 11				Psyc. -
Surgery 14							Surg. -
232	9		158	9	53	1	2

ANNUAL REPORT - SUPPORT ACADEMIC STAFF

ACADEMIC YEAR 2018 - 2019

S.NO.	DEPARTMENTS	TEACHING ASSISTANT POSITIONS ADVERTISED				CLINICAL INSTRUCTOR POSITIONS ADVERTISED				STAFF WHO JOINED		STAFF WHO GOT PROMOTED	
		IN PROCESS (INTERVIEW PENDING)	CANDIDATE SELECTED	REQUEST FOR READVERTISE MENT	REQUEST FOR NEW GRADES	IN PROCESS (INTERVIEW PENDING)	CANDIDATE SELECTED	REQUEST FOR READVERTISE MENT	REQUEST FOR NEW GRADES	TEACHING ASSISTANT	CLINICAL INSTRUCTOR	TEACHING ASSISTANT	CLINICAL INSTRUCTOR
1	Anatomy	–	2	–	–	–	–	–	–	–	–	–	2
2	Biochemistry	–	–	–	–	–	–	–	–	1	–	–	–
3	Community Medicine	–	–	1	–	–	–	–	–	–	–	–	–
4	Medicine	–	–	–	–	–	–	–	–	–	–	–	–
5	Microbiology	–	–	–	–	–	–	1	–	2	–	–	–
6	Nuclear Medicine	–	–	–	–	–	–	–	–	–	–	–	–
7	Obstetrics & Gynaecology	–	–	–	–	–	–	–	–	–	–	–	–
8	Paediatrics	–	–	–	–	–	–	–	–	–	–	–	–
9	Pathology	–	–	2	–	–	–	–	–	–	–	–	–
10	Pharmacology & Toxicology	–	–	1	–	–	1	–	–	1	–	–	–
11	Physiology	–	–	–	–	–	–	–	–	2	–	–	–
12	Psychiatry	–	–	–	–	–	–	–	–	–	–	–	–
13	Radiology	–	–	–	–	–	–	–	–	–	–	–	–
14	Surgery	–	–	–	–	–	3	–	–	–	–	–	–
TOTAL		0	2	4	0	0	4	1	0	6	0	0	2

FINANCE AND PURCHASING DEPARTMENT

1 – Requests of the Departments & Procurement

- All departments' request forms were received throughout the year and sent to Kuwait University Purchasing Department and followed-up stages of implementation and granted companies were accepted their offers.
- For contracts signed with companies that have been selected and delivery period was over before 31.03.2019 and supply has not been carried over, The Secretary General of the University has been approached to approve the supply of these contracts with the application of the fines stipulated in those contracts to the companies and agreed to that and accordingly we sent copies of those contracts to the university to do the necessary to address the companies to end the procurement during the current period.
- Finance & Purchasing Department followed up all the supplies that come from companies of all varieties for all departments and follow up all items that have been delivered to storage department and do the needful to transfer to the faculty.
- We have coordinated with Prof. Mai Al-Bader to prioritize the arrangement of laboratory equipment for all departments at the request of the Department of Financial Affairs, in accordance with the budget assigned to the faculty for this item taking into account the requirements of all departments as provided in recent years for each.

The Total Value of Contracts for All Items That Supplied to Departments (2018 – 2019) is K.D 409931.950 (A Detail Statement of Items is attached on C.D)

2 - Maintenance Contracts

- All maintenance requests of academic devices have been received and do the needful with Kuwait University Purchasing Department.
- Follow- up with all departments for maintenance requests so as to provide a copy of last maintenance contract & device bill to estimate the maintenance contract value through the purchase value to avoid error in estimating the value of maintenance.

3 – Poster's Day

- The Twenty-Four Poster day was held by the faculty during of 17 - 19/3/2019. (K.D. 3000) has been paid by Kuwait University Administration and has provided all the requirements of the Poster Day as publications and gifts in coordination with the Department of Procurement + meals and snacks through the Department of Nutrition and was followed up all financial
- Procedures and followed-up payment of all financial obligations towards the third parties contracted to provide all the requirements of the Conference.

4- Workshop of Physiology Department

A workshop was organized for the member functions department during the period from 17/3 to 19/3/2019, and a number of visiting professors were invited. The necessary arrangements were made for booking tickets, accommodation in a five-star hotel and providing them with General services + meals and snacks through the Department of Public Services + Workshop requirements were provided from chemicals, consumers, publications and gifts in coordination with the Department of Procurement and was followed up with the Department of Financial Affairs for the disbursement of financial allocations.

5 - Estimated Budgets and Inventory Reports

A draft overall budget of faculty of medicine for financial year 2019 / 2020 of all sections' requirements, whether human or academic & office equipment items that deal with departments throughout the year and the budget was discussed with University administration on June – 2016 to clarify all the queries asked by the Committee and approved the budget of Faculty of Medicine.

The inventory reports of Faculty of Medicine (2019 – 2020) were prepared which included all items were supplied to sections (spare parts – chemicals – Animal feed- Stationery – All new items that were requested by Departments).

6 - Cash credit

The cash credit settlement of the final clinical examinations was done by being registered in the name of the Academic members and technicians during the last financial year 31/3/2019.

7 – Academic Staff Evaluation & Research Publishing Compensation

- Address financial affairs to compensate research publishing & re-printing the academic staff research for all departments.
- Address financial affairs to pay external academic members who evaluated the work of Academic faculty members for promotion and followed-up the arrears of external academic members.

Company	Required Items	Department	Request No.	Tender No.	End Day Of Supply	Start day of Supply	Contract No.	Contract Value	Company
Al -Essa	Lab. furniture	Animal Resources	0329/15	62/من	31/12/2018	7/09/2018	5438	11215.000	Al -Essa
	Total Lab. furniture							11215.000	
Bader Sultan	Lab. Devices	Biochemistry	0620/17	543/مم	21/02/2019	19/12/2018	6430	5770.000	Bader Sultan
A.T.C	Lab. Devices	Medicine	0459/17	464/من	21/02/2019	23/12/2018	6354	4210.000	A.T.C
Tectron	Lab. Devices	Medicine	0459/17	464/من	21/02/2019	23/12/2018	6356	2572.000	Tectron
Majlan	Lab. Devices	Medicine	0818/17	539/مم	21/03/2019	10/02/2019	6883	3250.000	Majlan
A.T.C	Lab. Devices	Pharmacology	0848/18	559/مم	21/02/2019	6/01/2019	6645	2330.000	A.T.C
Majallan Trading	Lab. Devices	Skills Labs	0612/17	191/مم	21/02/2019	2/12/2018	6256	22950.000	Majallan Trading
Cenethia	Lab. Devices	Skills Labs	0612/17	191/مم	21/02/2018	29/11/2018	6259	150.000	Cenethia
Techno-Science	Lab. Devices	Skills Labs	0612/17	191/مم	21/02/2019	13/11/2018	6257	11999.000	Techno-Science
A.T.C	Lab. Devices	Anatomy	2012/17	601/مم	21/02/2019	30/12/2018	6611	19250.000	A.T.C
Tectron	Lab. Devices	Nuclear Medicine	2437/17	542/مم	21/02/2019	19/12/2018	6421	1795.000	Tectron

Ashraf & Partners	Lab. Devices	Electronic microscope	0614/17	559/مم	21/02/2019	29/11/2018	6487	15000.000	Ashraf & Partners
Mousa Bahman	Lab. Devices	Electronic microscope	0614/17	559/مم	21/02/2019	2/12/2018	6489	22150.000	Mousa Bahman
A.T.C	Lab. Devices	Physiology	0727/18	508/مم	14/03/2019	14/01/2019	6633	3525.000	A.T.C
Tectron	Lab. Devices	Physiology	0727/18	508/مم	14/03/2019	8/01/2019	6630	3196.000	Tectron
Burgan Star	Lab. Devices	Physiology	0727/18	508/مم	21/03/2019	8/01/2019	6631	6973.000	Burgan Star
Med. Arabia	Lab. Devices	Physiology	0727/18	508/مم	14/03/2019	9/01/2019	6627	6860.000	Med. Arabia
Al meajel Medicine	Lab. Devices	Physiology	0733/18	605/من	21/02/2019	23/12/2018	6530	8575.000	Al meajel Medicine
Techno-Science	Lab. Devices	Physiology	0733/18	605/من	21/02/2019	16/12/2018	6531	15023.000	Techno-Science
	Total Lab. Devices							155578.000	
Abdulaziz Al Rashed Son	Replace Microphones	Admin.	0258/16	33/مم	31/10/2018	1/08/2018	5261	1960.000	Abdulaziz Al Rashed Son
	Replace Microphones Total							1960.000	

Al omar Center	Reparing File Cabint	Admin.	0819/17	9/م	29/07/2018	23/07/2018	5665	1125.000	Al omar Center
	Reparing File Cabint Total							1125.000	
Al -Essa	Animal Food	Animal Resources	0483/17	248/م	29/11/2018	29/07/2018	5524	32067.000	Al -Essa
Al Arfaj	Animal Food	Animal Resources	2441/17	245/م	14/02/2019	15/09/2018	5829	34070.000	Al Arfaj
	Animal Food Total							66137.000	
institute for plasti.	Cadavres	Anatomy	0725/18	16/م	31/03/2019	2/12/2018	6591	20820	institute for plasti.
	Cadavres Total							20820	
A.T.C	Safes cabinet	Pathology	0626/17	545/م	21/02/2019	30/12/2018	6588	4747.000	A.T.C
A.T.C	Safes cabinet	Microbiology	0625/17	496/م	21/02/2019	18/12/2018	6471	1082.000	A.T.C
	Safes cabinet Total							5829.000	

Estreks	Guid Books	Medical Educatin	0840/18	141/أم	21/02/2019	13/01/2019	6732	798.000	Estreks
	Total Guid Books							798.000	
Med. Arabia	Chemicals	Pharmacology	7742/15	21/مم	31/01/2019	2/09/2018	5584	35972.000	Med. Arabia
A.T.C	Chemicals	Medicine	1774/17	557/مم	21/03/2019	10/02/2019	6881	1574.000	A.T.C
Med. Arabia	Chemicals	Biochemistry	6815/16	31/مم	10/01/2019	9/09/2018	5678	24282.500	Med. Arabia
Bader Alsultan	Chemicals	Biochemistry	6815/16	31/مم	6/12/2018	9/09/2018	5679	4483.550	Bader Alsultan
Med. Arabia	Chemicals	Obstric&Gyna	0752/17	575/مم	21/03/2019	10/02/2019	6576	320.000	Med. Arabia
Tectron	Chemicals	Obstric&Gyna	0752/17	575/مم	21/03/2019	8/01/2019	6575	4770.000	Tectron
Mousa Bahman	Chemicals	Animal Resources	2440/17	259/مم	8/11/2018	5/08/2018	5621	3847.500	Mousa Bahman
Med. Arabia	Chemicals	Nuclear Medicine	2439/17	267/مم	3/01/2019	4/09/2018	5848	190.000	Med. Arabia
Med. Arabia	Chemicals	Anatomy	0492/17	578/مم	21/02/2019	12/12/2018	6324	1330.000	Med. Arabia

**VICE-DEAN FOR
ACADEMIC AFFAIRS**

INTRODUCTION

This was yet another successful year for the Faculty. The Faculty continued its efforts to achieve excellence in imparting medical education and moulding the future health care professionals for the nation.

Medical Undergraduate Program.

This year students were admitted to the Faculty of Medicine directly according to the admission policy adopted by Kuwait University since 2015 as outlined below:

- 1) High school students who hold secondary school certificate (Science major), or its equivalent, with a minimum percentage of 85% in the high school marks.
- 2) Priority of admission will be given to applicants who have the highest equivalent Grade Point Average of the secondary school percentage and the results of aptitude tests as follows:
 - High School grades - 65%
 - Result of English language aptitude test - 15%
 - Result of Mathematics aptitude test - 10%
 - Result of Chemistry aptitude test - 10%

The students of Faculty of Medicine, Dentistry and Pharmacy have a common curriculum during the first year. The Faculty of Medicine is administratively responsible to administer the first year curriculum.

A total of 111 students were admitted to the Faculty of Medicine during this academic year. The highest comprehensive score was 100% and the lowest was 92.34%. Students who have scored a GPA of 2.00 or more are promoted to the second year.

The second year students take foundation courses in basic sciences and English language before they embark upon system based courses. The foundation courses are delivered in an integrated fashion during the second year and prepare these students to handle the system based modules in year 3 and 4 in an effective manner.

During the current academic year, the total student population in the Faculty was 794. The final examinations for the M.D. degree were held during the period of May 26 to June 20, 2019 (*Appendix 'A'*). Twenty seven external examiners were invited to participate in the final examinations (*Appendix 'B'*). A total of 101 students were awarded with the degree of M.D. in June 2019 (*Appendix 'C'*). The resit examination for the three final year students who have failed in June 2018 was held during the period December 9 to 13, 2018. The total number of students graduated with B.M., B.Ch./M.D. from the Faculty so far is 2438. This is the 36th batch of medical graduates.

The students of Faculty of Dentistry attend along with the medical students from year 1 to 4 and they take the medical curriculum. Faculty of Medicine is responsible for teaching and examining the Dental students during this period.

Curriculum Review

Experts are invited from abroad to look into the curriculum and advise the Faculty on the improvement. The curriculum had an overall readjustment in 2005-06 with both vertical and horizontal integration, with active student involvement. Self-learning process is practiced in this curriculum. Various committees were appointed at that time to make the plans and to oversee the implementation of the curriculum.

Since the current curriculum is in force for the past several years, the Curriculum, Assessment and Admissions Committee had appointed a Curriculum Review Committee, chaired by the Vice-Dean Academic Affairs to review the Phase II and III curriculum.

However, this committee could not present its final recommendations to the Curriculum Assessment and Admission Committee. Therefore, the Curriculum, Assessment and Admissions committee has appointed a new Curriculum Review Committee for the clinical program. This committee is entrusted with the task of preparing a curriculum map for the Clinical Program.

The aim of this review committee is defined as follows:

I. OVERSEE PHASE III CURRICULUM TO DEFINE

A. Overall design/organization structure

B. Content

- Course overview
- Course Goals
- Course objectives (competencies)
- Student duties
- Student Assessment

II. OVERSEE STUDENT PORTFOLIO

- Define design
- Content

III. TO DEVELOP THE CURRICULUM MAP

IV. TO SET THE TIME LINE TO FINALISE THE TASK

Curriculum Development

Phase I Program (Year 1)

The preprofessional program was revised in 2003-04 and a new curriculum was developed by the Faculty of Medicine in collaboration with other Health Science Center Faculties. The requirements for implementing the preprofessional program were identified by the multidisciplinary teams responsible for various courses. This curriculum was revisited periodically and some changes were made in the light of the feedback from students and staff.

New elective courses for the first year students were chosen to complement science courses to encourage critical thinking. These courses will be delivered by various faculties. Electives will be taught in the Health Science Center campus in order to spare the students the inconvenience of commuting between the campuses.

Phase II Program

Phase II program includes second, third and fourth years. The first batch of students have entered the Phase II of the current curriculum in September 2006. The program took off well. Frequent meetings between the students, program coordinators, Department Chairmen and tutors were held between Dean and Vice-Deans to ensure the smooth and efficient delivery of the new curriculum. The Vice-Dean Academic Affairs from time to time closely monitored the new curriculum.

The Phase II curriculum was reviewed by the Faculty in the light of views and concerns expressed by the staff and students. The system modules were reorganized since 2009-10, increasing the duration for foundation block, introduced the Infection and Immunity module during second year. The Renal module was expanded to include Renal, Reproduction and Breast. The current version of the Phase II curriculum map is reflected in (*Appendix 'D'*). The Curriculum, Admission and Assessment Committee has decided to have two separate module for RRB; one for Renal part and the other for the Reproduction & Breast module is treated as a single module. This will be implemented from Academic year 2019-20. The Faculty has already made a recommendation to Kuwait University to make the RRB module into two separate modules i.e. Renal Module and Reproduction & Breast module, with its own course numbers.

Some concerns were expressed by the staff on the method of delivery and assessment of the elective courses offered during the 4th year. The Faculty Council has already appointed a committee to look into the elective courses offered in 4th year. The University already agreed to change the final grade of this course to pass/fail, instead of letter grading.

Phase III Program

The final format of the Phase III program (Clinical years) have been successfully implemented. The faculty is resorting to advanced teaching techniques and methods in the clinical years. The first batch of students from the new curriculum have successfully completed the Phase III program and appeared for the B.M.B.Ch. final examination in June 2012. The breakdown of the Clinical Program in Phase III are as follows:-

Phase III-Year 1 : 5th Year

Medicine	12 weeks
Surgery	12 weeks
Community Medicine	7 weeks
Electives	5 weeks

Phase III-Year 2 : 6th Year

Medicine	6 weeks
Surgery	6 weeks
Pediatrics	12 weeks
Obst. & Gynaecology	12 weeks

Phase III-Year 3 : 7th Year

Psychiatry	8 weeks
Medicine	14 weeks (including pre-internship)
Surgery	14 weeks (including pre-internship)

The rotational plan of Phase III and the clinical year plan are reflected in (*Appendix 'E'*).

Medical School Day and problem-based learning (PBL) are salient features of the new program. One day in each week is identified as Medical School Day. Integrated Basic Science lectures with clinical relevance, student lead seminars, multidisciplinary seminars and clinical skills are arranged on the Medical School Day. The First Clinical Year of Phase III program (5th year) began in September 2009. Mondays were assigned as Medical School Day for the first clinical year. The second clinical year of Phase III (6th year) began in September 2010. Tuesdays were assigned as Medical School Day for the second clinical year. The third clinical year of phase III (7th year) began in September 2011. Wednesdays were assigned as the MSD days for 7th year. The suggestions from Departments to improve the MSDs, are taken into consideration.

The first batch of 5th year (1st clinical year) students appeared for the final examinations in June 2010 and 59 students were promoted to the second clinical year (6th year). The first batch of 6th year (2nd clinical year) students began in September 2010 and appeared for the final examination in June 2011. The first batch of 7th year (3rd clinical year) students started in September 2011 and appeared for the final examination in June 2012.

It was a very proud moment for the Faculty to see that the first batch of students from the new curriculum (67 in total) graduated with the degree of B.M.B.Ch. in June 2012.

From academic year 2014 -2015 onwards, the Medical graduates are awarded with M.D. (Doctor of Medicine) degree. Only students from 2009 intake are given the M.D. degree while students prior to this intake will continue to be given B.M.B.Ch. degree. It is our hope that we will be able to offer the BLS/ACLS courses utilising the University budget and all our graduates will be graduating with BLS/ACLS certification, in future. The faculty had arranged these courses earlier with the help of sponsors and KFAS, but it is very difficult to find finance for these courses, unless it is through the University budget. The Faculty had asked for the budget for BLS/ACLS from the University to be included in 2017-18 budget onwards.

The *Blueprint* for the OSCE Examination was finalized and implemented.

Approved allocations of marks awarded to the 7th year students effective 2017-18 are reflected in *Appendix "F"*.

Examination Committees

The Faculty has established four examination committees. The term of these committees are two years.

1. Examination committee for first year is chaired by Prof. Eiman Mokaddas, Department of Microbiology
2. Examination committee for second year is chaired by Professor Islam Khan, Department of Biochemistry.
3. Examination Committee for 3rd and 4th years is chaired by Prof. Jamshaid Iqbal, Dept. of Microbiology.
4. Examination Committee for Phase III program (years 5,6 & 7) is chaired by Dr. Iqbal Siddique, Dept. of Medicine.

Staff Capacity-building workshops

The Faculty held the following Staff building workshop during 2018-19.

A. Workshop on Faculty Development held on March 31 to April 4, 2019 (International)

Theme: Curriculum Assessment Strategies

Prof. Malcolm Reed, Dean, Brighton & Sussex Medical School, University of Sussex, England, U.K

B. Faculty Capacity Development Workshops: (local)

Faculty Development Workshop on 'Clinical Skill Training' for Trainers' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 19th September, 2018.

Faculty Development Workshop on 'PBL Facilitation: steps and dynamics of PBL' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 18th September, 2018.

Faculty Development Workshop on 'Assessment Item Writing & Analysis' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait.
17th September, 2018

- i. A 2-hour session on introduction and understanding of new Assessment tools, writing Multiple Choice Questions, Extended Matching Questions and Multiple Essay Questions,

Item writing flaws, Faculty regulations on assessment, Item analysis of questions, distribution of relevant printed material, Q & A session.

- ii. A 1-hour practice session on analysis of sample questions, editing fixing the flaws of sample questions by the participants.

Faculty Development Workshop on 'New Curriculum' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 16th September, 2018

C. CPR Training Course for Phase II 4th Year Students

A basic CPR training program was organized for 4th Year students on February-March 2019

D. Training Programs for Standardized Patients (SPs):

Phase II

1. SPs for history givers & Communication skills –Revisit

Objective : Train SPs to present case History in response to questioning by Students
Dates : 4 Training workshops during 2018-2019
Target Group : 15 Teaching Assistants & 21 Scientific Assistants
Conducted by : Prof. Jamshaid Iqbal, Dr. Saud Al-Enezi, Dr. Fatima K. Ali

2. SPs for history givers & Communication skills – Scientific Assistants

Objective : Train New SPs to present case History in response to questioning by students
Date : 3 Training sessions in 2018-19
Target Group : 12 New Scientific Assistants
Conducted by : Prof. Jamshaid Iqbal

Each training session included briefing on the SP program, Q & A on the transcript, Role modelling & dry run of the case scenarios, responses to SPs questions etc.

3. SPs for Physical Examinations

Objective : Train SPs to undergo a limited Physical Examination at the Tutor & students' direction
Date : 5 Training sessions in 2018-19
Target Group : 18 SPs
Conducted by : Prof. Jamshaid Iqbal, Dr. Annie & Dr. Julie

Each training session included detailed briefing, preparation for the Physical examination and Demo of the Physical Examination.

Office of Student Counseling and Guidance

Dr. Dalia Al-Abdulrazzaq, Assistant Professor, Department of Pediatrics has continued to serve as Director of Student Counseling and Guidance. Her service has helped many students to

improve their study skills and examinations preparation techniques. In addition, many students were counseled by her. Dr. Dalia continued to give valuable advisory seminars to the students.

Electronic Learning project

The Faculty was working hard to establish an electronic Platform for curriculum management and student interaction with Faculty.

The Faculty has planned and finalized with Faculty of Engineering, establishment of a custom-built electronic platform for curriculum management. The Faculty had several meetings with the Faculty of Engineering to finalise the details.

The final proposal was submitted to the University for their final approval but no action has been taken by the University. However, the Faculty is now actively promoting the use of moodle as an electronic learning and teaching platform.

Curriculum Reforms

Grading for PBLs in Phase II

From the academic year 2012-13, the students were awarded 5% marks for their contributions in Phase II PBLs. However, the Faculty found that the PBL grades were not awarded objectively and hence the Curriculum, Assessment and Admissions Committee has decided to make the PBL evaluations satisfactory/unsatisfactory. This is implemented from Academic Year 2015-16.

New Grading system

New grading scale was approved by Kuwait University and implemented from academic year 2018-2019 for all years.

Separation of OSPE from OSCE final examination

The OSPEs were separated from OSCE final examinations from academic year 2013-14. The OSPEs were held at the end of each semester. This has encouraged the students to pay more attention to the practical sessions delivered during the system modules.

Clinical Skills Lab sessions

Some deficiency in history taking and clinical examination was noticed in the clinical skills teaching of the Phase II program. Therefore, an extra half an hour supervised session of clinical session was introduced at the end of each clinical skills sessions. This has helped the students to raise their questions and interact with the tutors.

The clinical sessions and history taking sessions were assigned to the tutors well in advance to ensure effective teaching. The Faculty plans to utilize the maximum number of Faculty staff as tutors in Phase II clinical skills. From last year onwards the Faculty has asked the students to prepare for the clinical skills from “Clinical Examination” by John McCleod. They were given the portions from this text book in advance so that they can prepare for the clinical skills very well before their classes.

This year the Centre for Medical Evaluation has given a planned mock OSCE to the Phase II students, with on the spot discussion on their performance, which has proved to be very helpful to the students. This has helped the students to perform better in the OSCE of final examination.

In addition, an item by item analysis on the performance of the students in the module assessment is sent to them by email, immediately after their module assessment evaluation.

Clinical Skills Lab

We are still awaiting furnishing of the clinical Skills Lab. Hopefully the Clinical Skills Lab. will be fully furnished by the end of next academic year.

Prof. Jamshaid Iqbal, Department of Microbiology is appointed as the Director of the Clinical Skills Lab. His appointment has made a long way in organizing the activities and utilization of the Clinical Skills lab.

PBL Coordination Group

The Faculty had expanded the PBL Coordination group with more staff. New staff have been included in this group to give them a chance to lead the curriculum so that in future they will be able to manage the curriculum. The Faculty needs wider involvement of staff in the curriculum. Dr. Heba Al-Hussaini, Assistant Professor, Department of Anatomy, continued to serve as the coordinator of the PBL coordination group.

Revision of system courses

The Cardiovascular system has been thoroughly revised 4 years back to improve the delivery of the course, including PBLs. The Musculoskeletal system module also has undergone major revisions. The module coordinators and their team will be looking at their respective system modules to improve the courses. The Reproductive and Breast part of the RRB module has undergone thorough revision during last year. The Renal part has been thoroughly reviewed this year. The review of CNS module also has been completed. The Respiratory and Blood modules were also revisited and made serious adjustments. The PBL cases of these modules will be revisited. The plan is to have at least one new case in each module, each year.

Introduction of “Skills Development” week in 5th year

A one week skills development was introduced to the 5th year students from this year onwards. During the first week of the 5th year, the students will be undertaking several clinical skills in Medicine and Surgery at the Clinical Skills Lab, to enable them to embark upon an effective clinical training period in year 5,6 and 7. Dr. Jassim Al Abbad is the coordinator of this course.

Meeting with students

Several meetings were held with the students, to get their views and suggestions to improve the curriculum. The student, being the end user, have given the Faculty a full view of the curriculum. They have put forward many suggestions to improve the curriculum, teaching methods. They have brought to the notice of the Faculty some of the difficulties they face in the curriculum. In addition, students are asked to evaluate the Phase II module at the end of the modules.

The Faculty has taken into account their suggestions and implemented several suggestions put forward by the students and tried to solve their concerns wherever possible. The students have free access to the Vice Dean Academic and Student Affairs, the Director of Centre for Medical Education/Module Coordinators. This helps free communication between the students and the administration.

Change in the title of the Final degree

The University has decided to change the title of the final degree to Doctor of Medicine (M.D.) instead of Bachelor of Medicine and Bachelor of Surgery (B.M.B.Ch.). This will be applicable to the students who were in fifth year during academic year 2012-13 (2009 intake). The medical students from 2009 onwards who have graduated with medical degree since June 2015 are awarded with the qualification Doctor of Medicine (M.D.).

Digitalization of Graduates' files

The Faculty started digitalizing the files of all its graduates and are in the final stage.

Online registration of students

The arrangements for online registration of Medical students are in its final stage and hopefully will be implemented next year.

Student Evaluation

The Faculty has faced enormous problems with student evaluation since the university has made it mandatory that all student evaluations should be done online. Though the Centre for Measurement and Evaluation was doing a pilot study with the Faculty of Medicine students, the study was not complete and had faced several technical snags. The technical issues could not be solved and hence unfortunately students could not do the evaluations on-line during the current academic year. Absence of student evaluations will jeopardise the promotion and contract renewal requirement of several staff members.

The Faculty has taken up this matter with the University Administration and has approved that the Faculty can do manual student evaluation next year. The online evaluation also will be done in parallel. Hopefully technical issues will be solved by the University soon.

Accreditation

The Faculty has been advised by the ECFMG that no student will be allowed from 2023 onwards to sit for the USMLE examinations if the student is not coming from an accredited medical school. So the Faculty is actively pursuing the matter. The Faculty has already approached the National Bureau of Accreditation and Quality Assurance in the Ministry of Higher Education regarding this matter. Now there is a ministerial decree to initiate the Accreditation process.

The Faculty has now strengthened its Accreditation Unit, headed by Prof. Widad Al Nakib. A new team has been appointed to work in the Accreditation Committee.

The Committee is in the process of collecting the data required for the self-evaluation, which is the first step towards accreditation. It is understood that most of the information required for the self-evaluation is completed.

Future plans

1. Monitoring and review of Phase I, II and III Programs.
2. Continue staff-capacity building program.
3. Develop e-learning system.
4. Invitation of experts to evaluate the curriculum and give suggestions
5. Review and revise clinical skills teaching of third and fourth years.
6. Review and revise PBL cases/case reports for all Phase II modules.

7. Initiate self-evaluation process for the Accreditation of Faculty of Medicine.
8. Possibility of reducing the duration of medical education teaching to 6 years.
9. Preparation of blueprint for OSCEs.
10. Implementation of the online registration of students
11. Digitalization of the files of Faculty graduates.

Staffing:-

Office of the Vice-Dean (Academic)

Prof. Noura Al Sweih - Vice-Dean Academic and Student Affairs
 Ms. Shoba Grace John
 Ms. Elza Alexander
 Ms. Reem Al-Tabtabaee

Faculty Secretary's Office

Ms. Elizabeth Samuel

Student Affairs Office

Ms. Hind Al-Qureshi
 Ms. Nadia Hussain
 Ms. Fatma Safer
 Ms. Susan Mammen
 Ms. Shaikha Al-Sulaiman

Multidisciplinary Laboratories

Ms. Annie Thomas
 Ms. Susy John
 Mr. Sadeq Dashti
 Mr. Jamal Azab
 Mr. Samuel Geevarghese
 Mr. Luisito S. Dayag

Centre for Medical Education

Prof. Jamshaid Iqbal - Director
 Ms. Sumitha Satheesh
 Mr. Ahmed M. Mohammed
 Ms. Preetha Thomas
 Dr. Annie Pothan
 Dr. Julie Varghese
 Ms. Preethi Koshy

Conclusion

Clinical Skills Laboratory is an important facility and the University must furnish the Clinical Skills Lab. at the earliest. The Faculty is vigorously pursuing the matter, since it is crucial to have clinical skills lab facility in the new curriculum. Lack of a well-furnished clinical skill lab facility is a major drawback.

Clinical skills and simulation teaching is an important teaching/learning method for medical students which necessitate having a new Department of Medical Education. This department will be in charge of teaching/organizing clinical skills, simulation teaching.

Faculty is still without its own teaching hospital. Absence of the University hospital affects effective teaching and research opportunities for the staff. Now the Faculty conducts some of the final clinical examination in the Clinical Skills Lab., which used to be held in hospitals earlier.

The Faculty had 26 external examiners this year. We did not face any difficulties with their air tickets, honorarium, accommodation and transportation this year. I express my thanks to the concerned officials at the University and the staff at the Faculty for making their visit smooth and comfortable.

I would like to thank all those who have contributed positively to the academic development of the Faculty during the current academic year.

I am grateful to all the staff who helped to make this a successful year. Their positive contributions, both formal and informal, were always a source to further improve the teaching programs and particularly the undergraduate medical curriculum. I also appreciate the cooperation and understanding of the students of the Faculty, individually or through their representatives and KuMSA, in maintaining an ideal academic environment in the Faculty. Consultation and dialogue between the students and the staff is a continuous process which helps to develop an understanding and a sense of belonging and commitment to this institution.

I place on record my appreciation to the staff in my office for their dedication and hard work.

Before concluding I would like to thank the Dean for his trust in me and the duties and responsibilities bestowed upon me. I thank the Vice-Deans, Department Chairmen/Chairpersons and all other staff for their support.

Noura Al Sweih
Professor of Microbiology and
Vice-Dean for Academic and Student Affairs

Appendix “A”

DATE	DAY	PHASE II - 2ND YEAR
12.06.2019	Wednesday	Paper I
17.06.2019	Monday	Paper II
19.06.2019	Wednesday	Board of Examiners meeting
20.06.2019	Thursday	Faculty Council meeting

DATE	DAY	PHASE II - 3RD YEAR
02.06.2019	Sunday	Theory (MCQ)
03.06.2019	Monday	Theory (EMQ)
10.06.2019	Monday	OSCE
17.06.2019	Monday	Orals
18.06.2019	Monday	Orals
19.06.2019	Wednesday	Board of Examiners Meeting
20.06.2019	Thursday	Faculty Council Meeting

DATE	DAY	PHASE II - 4TH YEAR
02.05.2019	Thursday	OSCE
13.05.2019	Monday	Theory Part I (MCQ)
14.05.2019	Tuesday	Theory Part II (EMQ)
20.05.2019	Monday	ORALS
21.05.2019	Tuesday	ORALS
22.05.2019	Wednesday	Board of Examiners and Faculty Council meeting

**FACULTY OF MEDICINE
HEALTH SCIENCES CENTRE
KUWAIT UNIVERSITY**

PHASE III -FINAL EXAMINATION TIMETABLE -MAY/JUNE 2019

DATE	DAY	YEAR 1 (5TH YEAR)	YEAR 2 (6TH YEAR)	YEAR 3 (7TH YEAR)
23.05.2019	Thursday	-	Medicine (Theory)	-
26.05.2019	Sunday	-	Surgery (Theory)	Medicine (Theory I)
27.05.2019	Monday	Community Medicine (Theory I)	-	Medicine (Theory II)
28.05.2019	Tuesday	Community Medicine (Theory II)	-	-
29.05.2019	Wednesday	-	Pediatrics (Theory I)	-
30.05.2019	Thursday	-	Pediatrics (Theory II)	-
02.06.2019	Sunday	-	-	Surgery (Theory I)
03.06.2019	Monday	-	-	Surgery (Theory II)
04.06.2019	Tuesday	-	-	-
EID HOLIDAYS				
09.06.2019	Sunday	Surgery (Theory I & II)	Obstetrics & Gynaecology (Theory)	-
10.06.2019	Monday	-	-	Psychiatry (Theory)
11.06.2019	Tuesday	Medicine (Theory I & II)	-	-
12.06.2019	Wednesday	-	Obstetrics & Gynaecology (Clinical)	Psychiatry (OSCE)
13.06.2019	Thursday	Surgery (OSCE)	Obstetrics & Gynaecology (Orals)	-
16.06.2019	Sunday	-	-	Medicine (Group A)
17.06.2019	Monday	-	Pediatrics (Clinical)	Medicine (Group B)
18.06.2019	Tuesday	Medicine (OSCE)	Pediatrics (Clinical)	Surgery (Clinical)
19.06.2019	Wednesday	Community Medicine (Orals)	Pediatrics (Oral)	Medicine & Surgery (Orals)
20.06.2019	Thursday	Board of Examiners Meeting & Faculty Council		

Appendix “B”

EXTERNAL EXAMINERS – MAY/JUNE 2019

COMMUNITY MEDICINE

Prof. Mohammad H. Rahbar
Department of Epidemiology, Biostatistics
and Clinical & Translational Sciences
The University of Texas Health Sciences Center
U.S.A.

Prof. Anwar T. Merchant
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina
Columbia
U.S.A.

OBSTETRICS & GYNAECOLOGY

Prof. Jim Thornton
Professor of Obstetrics and Gynaecology
Nottingham City Hospital NHS Trust
Academic Division of Obstetrics and Gynaecology
Maternity Unit
Hucknall Road, Nottingham
U.K.

Prof. Mohammed Hisham Al-Sibai
Professor of Obstetrician & Gynaecologist
The Arab Board of Medical Specialisation
Secretary General
General Secretariat in Syrian Arab Republic
Amman Office
KINGDOM OF JORDAN

Prof. Justin C. Konje
Professor/Honorary Consultant
Obstetrician & Gynaecologist
Department of Obstetrics & Gynaecology
University of Leicester
13 Weare
U.K.

PEDIATRICS

Prof. Hesham Safouh
Professor of Pediatrics & Pediatric Nephrology
Center for Pediatric Nephrology and Transplantation
Faculty of Medicine
Cairo University
EGYPT

Prof. Haroon Saloojee
Division of Community Pediatrics
Department of Paediatrics and Child Health
University of the Witwatersrand
Private Bag 3, PO Wits, 2050
SOUTH AFRICA

Prof. Lesley Blakely
Consultant Paediatrics Nephrologist
Renal Unit, GT. Ormond st. Hospital for Children
Gt. Ormond st, London WC1N3JH
Professor of Paediatric Nephrology
University College London
U.K.

Prof. Yasser Ahmed Wali
College of Medicine
Sultan Qaboos University
Muscat, Oman
POB 35, AlKhodh 123
SULTANATE OF OMAN

Prof. Peter Graham Davis
Professor/Director of Neonatal Medicine
The Royal Women's Hospital
Parkville VIC 3052
AUSTRALIA

Prof. Ronald Laxer
Professor and
Head of Rheumatology Division Unit
Hospital for sick children
Toronto
CANADA

MEDICINE

Prof. Humphrey Hodgson
Professor of Medicine UCL
Editor “Clinical Medicine” the Journal of the Royal College of Physicians
Royal Free and University College Medical School
U.K.

Prof. Ahmed Salem BaHammam
Professor of Medicine
College of Medicine, King Saud University
King Khalid University, Hospital
P.O. Box 225503
Riyadh 11324
KINGDOM OF SAUDI ARABIA

Prof. Dame Parveen J. Kumar
Professor of Medicine & Education
Barts and the London School of Medicine
Queen Mary University of London
Wingate Institute, 26 Ashfield St.
London E1 2AJ
U.K.

PSYCHIATRY

Dr. Muhammad Afzal Javed
Consultant Psychiatrist and
Clinical Professor
Health Science Research Institute
Warwick Medical School
University of Warwick
U.K.

Prof. Arun V. Ravindran
Professor and Director
Global Mental Health Affairs
and the office of Fellowship Training
Department of Psychiatry
University of Toronto
CANADA

Prof. Rajiv Tandon
Chief of Psychiatry Service
North Florida/South Georgia VA Healthcare
Professor of Psychiatry and Executive Vice-Chair
Department of Psychiatry
University of Florida College of Medicine

Gainesville FL 32610-0256
U.S.A.

SURGERY

Prof. Peter Andrew Brennan
Department of Oral and Maxillofacial Surgery
Queen Alexandra Hospital
University of Portsmouth
Portsmouth, PO6 3LY
U.K.

Prof. Malcolm Reed
Dean
Brighton & Sussex Medical School
University of Sussex
Brighton BN1 9PX
U.K.

Prof. Kosar Khwaja
Professor
McGill University Health Centre
1650 Cedar Ave L9 411
CANADA H3G 1A4

Prof. Edward Davies
London Health Sciences Centre
University Hospital
339 Windmere Road
London, Ontario N6A 4L6
CANADA

PHASE II EXTERNAL EXAMINERS PHASE II – YEAR 3

Prof. Paul O. Collinson (Pathology)
Professor of Cardiovascular Biomarkers
St. George's Hospital Medical School
St. George's University of London
U.K.

Prof. Nafees Ahmad
Department of Immunobiology
College of Medicine
Medical Research Building
University of Arizona
Tucson, AZ 85724
U.S.A.

Prof. Rajuno Ettarh
Department of Anatomy & Medical Education
Associate Dean of Assessment
Director of Anatomy
Director, Center for Innovation in Medical Education
School of Medicine
California University of Science and Medicine
U.S.A.

PHASE II EXTERNAL EXAMINERS
PHASE II – YEAR 4

Prof. Christopher H. Yeo (Physiology)
Professor of Neuroscience, Physiology and Pharmacology
University College London
Gower Street, London
U.K.

Prof. Graeme Henderson (Pharmacology)
School of Physiology, Pharmacology and Neuroscience
University of Bristol
University Walk
Bristol BS8 1TD
ENGLAND

Prof. Grant W. Brown (Physiology)
Department of Biochemistry and
Donnelly Centre
University of Toronto
Toronto, Ontario
CANADA

Appendix "C"

**FACULTY OF MEDICINE
HEALTH SCIENCES CENTRE
KUWAIT UNIVERSITY**

GRADUATES OF JUNE 2019

S.NO.	STUD. NO.	NAME
01.	1052/10	HAMAD KH.A. AL-ANEZI
02.	1928/10	SHAIKHAH KH.M. AL-HOULI
03.	11849/11	BASEL R.M. EMRAN
04.	11882/11	JUMANA N.A. NASER
05.	12023/11	KHALED Y.Y. AL OBAIDLI
06.	12050/11	ANFAL J.N. ALSAIDI
07.	12088/11	EISSA F.M. ALDHAFEERI
08.	13028/11	SARAH Q.E. FAYROUZ
09.	13832/11	NOOR H.A. ABBAS
10.	15594/11	YAQOUB A.A. ALYOUSEF
11.	16270/11	NOOR A.M. ALNASRALLAH
12.	17096/11	MAHA F.M. ALMUTAIRI
13.	17343/11	ABDULKAREEM M.M. ALMUTAIRI
14.	19893/11	HEND F.M.F.R. ALENEZI
15.	22330/11	AISHA J.KH. ALAZEMI
16.	23273/11	MOHAMMAD S.M. ALSHEHAB
17.	24596/11	FAHAD H.F. ALZUABI
18.	29116/11	MAJED E.S. ALSULAIMAN
19.	30892/11	HAWRAA A.H. HAMOOD
20.	33144/11	MARINA L.SH.G. BOTRAS
21.	10008/12	HAYA I.N. MALHAS
22.	10017/12	DANA A.A.A. MOHAMMAD
23.	10019/12	FARAH SH.H. BULBUL
24.	10021/12	DHARI N.TH.GH.M. ALOTAIBI
25.	10023/12	IMAN N.I. MOHIYALDEEN
26.	10279/12	HODA F.H. ALSOMALI
27.	10336/12	AYYUB IMTIAZ
28.	10424/12	BADER R.A ALBADER

29.	10479/12	YOUSEF A.SH. ALSHAMLAN
30.	10620/12	TAIBA H.S. ALMOOSAWY
31.	10647/12	MUNEERA Y. ALBESHARAH
32.	10659/12	JUMANA J.M. ALBAGHLI
33.	10679/12	REHAB F.M. ALAZEMI
34.	10786/12	ALZAHRAA E.SH. SEBAA
35.	10788/12	FATEMAH A.H.A.J.I. JERAGH
36.	10793/12	SABIKAH A.Y. ALRWAYEH
37.	10910/12	ZAINAB M.A. ALSAHHAF
38.	10984/12	ABDULLAH KH.H. JASEM
39.	11064/12	YOUSEF F.M. ALABDULHADI
40.	11069/12	BADRIYA A.M. ALREFAEI
41.	11155/12	FATEMAH H.R. MULLA ALI
42.	11185/12	MARYAM A.E. RAMADAN
43.	11258/12	MARYAM M.GH. ALI
44.	11300/12	SAJA A.J. ALSHAMMARI
45.	11420/12	HANAN A.M. ALAWADHI
46.	11430/12	MAHA F.H. ALKHALEDI
47.	11531/12	GHALIAH E.H. ALKHALEDY
48.	11543/12	HANOUF A.M. ALAJMI
49.	11636/12	MAATHER N.M. ALZAID
50.	11831/12	HESSA A.H. ALGHUWAINEM
51.	11845/12	ABDULLAH T.O. ALZAMEL
52.	11943/12	HADEEL Z.M. ALHAMLY
53.	11995/12	SULAIMAN S.S. ALOSAIMI
54.	12026/12	DALAL KH.A. ALSHARAF
55.	12053/12	LATEFA Y.A. ALMAZROUI
56.	12112/12	NASER A.Y. ALQANDI
57.	12234/12	DANAH M.A. ALRASHIDI
58.	12343/12	MUSAED A.M. ALKULAIB
59.	12435/12	FAJER S.J. ALBOUSAIRI
60.	12557/12	ABDULLAH A.J. ALZAABI
61.	12785/12	HAMAD A.H. ALJUWIED
62.	12956/12	MUNEERA T.GH. ALOTAIBI

63.	12972/12	AMAL KH.A. ALHERRAN
64.	13121/12	FATEMAH A.M. AKBAR
65.	13627/12	FARAH H.M. ALAZIMI
66.	13665/12	HUSAIN A.H. KANKOUNI
67.	13999/12	NASER M.E. BUOLIAN
68.	14053/12	MOHSEN W.H. BAQER
69.	14077/12	GHADEER M.D. ALANAZI
70.	14169/12	YUSUF A. ALIBRAHIM
71.	14227/12	NOURAH A.A. ALTUWAIJERI
72.	14279/12	HANA M.M. JAFAR
73.	14307/12	FARAH R.M. AL-SHAMMARI
74.	14331/12	REHAM M.J. ALJASEM
75.	14669/12	LULWAH S.M. ALSAIDAN
76.	14974/12	FAHAD W.E. ALSHARHAN
77.	15095/12	FATEMAH A.A. ALNAJJAR
78.	15096/12	AYAT H.H. ALDUWAIKHI
79.	15439/12	FATEMAH N.M. ASEERI
80.	15643/12	NADIAH S.M. ALMUTAIRI
81.	15703/12	FAWAZ A.D. ALDOOHAN
82.	16078/12	SHAREEFAH H.A. KHALEEFAH
83.	16142/12	HAYA S.SH.M.S. ALTERKAIT
84.	16219/12	SHAIKHAH O.M. ALDHUFAIRI
85.	16502/12	MARYAM A.M. DASHTI
86.	16621/12	MONEERAH A.H. ALMAZYAD
87.	16811/12	ABDULRAHMAN A.A. ALOMAIRI
88.	17502/12	DEEMAH O.DH. ALDEEHANY
89.	17633/12	JANA N. AL-KHARAFI
90.	17940/12	KHALIFA KH.S. ALMUNEFI
91.	18073/12	HUSSA F.A. ALDOUSARI
92.	19239/12	MOHAMMAD B.Y. BULBANAT
93.	19246/12	SADEQ H.A. MOHAMMAD
94.	19264/12	BANN A.E. QADOURA
95.	19560/12	SAJA T.A. ALROWAYEH
96.	20353/12	SHADEN M.GH. MOUSTAFA
97.	21813/12	SHOUQ A.S. ALHALABI

98.	22580/12	YOUSEF S.D. ALADWANI
99.	22975/12	MARIAM E.F.B. KENAWY
100.	22991/12	RACHA M. ALADLAN
101.	23004/12	RAMA J.M. AL-MATAR

Phase II Program: Module Period : Year 2, 3 and 4**Academic Year 2018-19****PHASE II, SEPT-JUNE, 2018/19****SEMESTER III**

FOUNDATION (05 50 – 303) AND ENGLISH 183 17 Weeks
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09/09/18 – 03/01/19

Mid Semester Break

13/1/19 -
24/1/19

FOUNDATION (05 – 50 – 304) 10 Weeks
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06/1/19 – 28/03/19

SEMESTER IV

INFECTION & IMMUNOLOGY (05-50-306) 6 Weeks

31/3/19 – 09/05/19

Exam Break

FINAL EXAM

PHASE II, SEPT-JUNE, 2018/19**SEMESTER V**

BLOOD (05-70-402) 5 Weeks
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09/9/18 – 11/10/18

CVS (05-80-306) 7 Weeks
--

14/10/18 – 29/11/18

RESP. (05-80-307) 7 Weeks
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02/12/18 – 31/1/19

Mid Semester Break

13/1/19-
24/1/19

ENDO (05-80-308) 7 Weeks

03/2/19 – 21/3/19

SEMESTER VI

MUSCULO. (05-80-309) 6 Weeks

24/3/19– 02/5/19

Exam Break

FINAL EXAM MCQ, MEQ OSCE/OSPE
--

PHASE II, SEPT-JUNE, 2018/19**SEMESTER VII**

NERVOUS SYSTEM (05-30-312) 9 Weeks

09/9/18 – 08/11/18

RENAL, REPROD. & BREAST (05-80-402) Renal 5 weeks:11/11/18-13/12/18 Reproductive&Breast:16/12/18-31/1/09 10 Weeks
--

11/11/18 – 31/01/19

Mid Semester Break

13/1/19 -
24/1/19

DIGESTIVE (05-75-311) 8 Weeks
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03/2/19 –28/3/19

SEMESTER VIII

ELECT. (05-00-406) 3 Weeks

31/3/19 – 18/4/19

Exam Break

FINAL EXAM MCQ, MEQ OSCE/OSPE
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Dates are subject to change

FIRST CLINICAL (5TH) YEAR ROTATIONAL SCHEDULE - ACADEMIC YEAR 2018-2019

GROUP	CLINICAL SKILLS DEVELOPMENT WEEK 09/09/2018 - 13/09/2018	1ST ROTATION 16/09/2018 - 29/11/2018)	2ND ROTATION (02/12/2018 - 28/02/2019) *	3RD ROTATION (03/03/2019 - 16/05/2019)	FINAL EXAM
A		COMM. MEDICINE (7 weeks) ++ 16/09/2018 - 01/11/2018 ELECTIVE (4 weeks) (04/11/2018 - 29/11/2018)	MEDICINE (11 weeks) (02/12/2018 - 28/02/2019)	SURGERY (11 weeks) (03/03/2019 - 16/05/2019)	
B		MEDICINE (11 weeks) (16/09/2018 - 29/11/2018)	SURGERY (11 weeks) (02/12/2018 - 28/02/2019)	COMM. MEDICINE (7 weeks)++ (03/03/2019 - 18/04/2019) ELECTIVE (4 weeks) (21/04/2019 - 16/05/2019)	
C		SURGERY (11 weeks) (16/09/2018 - 29/11/2018)	COMM. MED. (7 weeks) ++ (02/12/2018 - 31/01/2019) ELECTIVE (4 weeks) (03/02/2019 - 28/02/2019)	MEDICINE (11 weeks) (03/03/2019 - 16/05/2019)	

* **Mid-Semester Holiday - 13/01/2019 - 24/01/2019**

++ **Venue: Faculty of Medicine - as specified**

Medical School Day - Monday

PBLs - Sundays and Thursdays 2 to 4 pm

The detailed program of each rotation will be distributed by the departments separately.

PHASE III - YEAR II : (2013 INTAKE)

SECOND CLINICAL (6TH) YEAR ROTATIONAL SCHEDULE - ACADEMIC YEAR 2018-2019

GROUP	1ST ROTATION (09/09/2018 - 22/11/2018)	2ND ROTATION (25/11/2018 - 21/02/2019) *	3RD ROTATION (24/02/2019 - 09/05/2019)	FINAL EXAM
D	MEDICINE/SURGERY (11 weeks) (09/09/2018 - 22/11/2018)	OBS. & GYNAE. (11 weeks) +++ (25/11/2018 - 21/02/2019)	PEDIATRICS (11 weeks) ++++ (24/02/2019 - 09/05/2019)	
E	OBS. & GYNAE. (11 weeks) +++ (09/09/2018 - 22/11/2018)	PEDIATRICS (11 weeks) ++++ (25/11/2018 - 21/02/2019)	MEDICINE/SURGERY (11 weeks) (24/02/2019 - 09/05/2019)	
F	PEDIATRICS (11 weeks) ++++ (09/09/2018 - 22/11/2018)	MEDICINE/SURGERY (11 weeks) (25/11/2018 - 21/02/2019)	OBS. & GYNAE. (11 weeks) +++ (24/02/2019 - 09/05/2019)	

* **Mid-Semester Holiday - 13/01/2019 - 24/01/2019**

+++ Venue: Maternity Hospital/Adan Hospital

++++ Venue: As specified by the Department of Paediatrics

Medical School Day : Tuesdays

PBLs : Sundays and Thursdays 2 to 4 pm

The detailed program of each rotation will be distributed by the departments separately.

PHASE III - YEAR III : (2012 INTAKE)

THIRD CLINICAL (7TH) YEAR ROTATIONAL SCHEDULE - ACADEMIC YEAR 2018-2019

GROUP	1ST ROTATION (09/09/2018 - 01/11/2018)	2ND ROTATION (04/11/2018 - 27/11/2018)	3RD ROTATION (30/12/2018 - 17/03/2019)	PRE INTERNSHIP (9 weeks) Orientation: 1 week - whole class: 10/03/2019 - 14/03/2019 MEDICINE (Group J)/SURGERY (Group K) 17/03/2019 - 11/04/2019 (4 weeks)	FINAL EXAM
G	PSYCHIATRY (8 weeks) (09/09/2018 - 01/11/2018)	MEDICINE (8 weeks) (04/11/2018 - 27/12/2018)	SURGERY (8 weeks) (30/12/2018 - 07/03/2019)		
H	MEDICINE (8 weeks) (09/09/2018 - 01/11/2018)	SURGERY (8 weeks) (04/11/2018 - 27/12/2018)	PSYCHIATRY (8 weeks) (30/12/2018 - 07/03/2019)		
I	SURGERY (8 weeks) (09/09/2018 - 01/11/2018)	PSYCHIATRY (8 weeks) (04/11/2018 - 27/12/2018)	MEDICINE (8 weeks) (30/12/2018 - 07/03/2019)		

* **Mid-Semester Holiday - 13/01/2019 - 24/01/2019**

Medical School Day : Wednesdays

PBLs : As Published by the Departments

The detailed program of each rotation will be distributed by the departments separately.

**FACULTY OF MEDICINE
HEALTH SCIENCES CENTRE
KUWAIT UNIVERSITY**

PLAN FOR PHASE III PROGRAM

YEAR I (5TH YEAR) – FIRST CLINICAL YEAR – 36 WEEKS OF ROTATION

MEDICINE – 12 WEEKS (14 CH) 05 80 504 / 505	SURGERY – 12 WEEKS (14 CH) 05 75 504 / 505	COMM.MEDICINE – 7 WEEKS (6 CH) 05 10 504 / 505 ELECTIVES – 5 WEEKS (2 CH) 05 00 502	FINAL EXAM
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YEAR II (6TH YEAR) – SECOND CLINICAL YEAR – 36 WEEKS OF ROTATION

MEDICINE – 6 WEEKS (6 CH) 05 80 604 / 605 SURGERY – 6 WEEKS (6 CH) 05 75 604 / 605	PEDIATRICS– 12 WEEKS (14 CH) 05 85 604 / 605	OBS. & GYNAECOLOGY – 12 WEEKS (14 CH) 05 90 604 / 605	FINAL EXAM
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YEAR III (7TH YEAR) – THIRD CLINICAL YEAR – 36 WEEKS OF ROTATION

PSYCHIATRY– 8 WEEKS (8 CH) 05 80 708 / 709	MEDICINE (including pre-internship) – 14 WEEKS (18 CH) 05 80 706 / 707	SURGERY (including pre-internship) – 14 WEEKS (18 CH) 05 75 706 / 707	FINAL EXAM
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**VICE-DEAN
FOR RESEARCH &
POSTGRADUATE STUDIES**

1. INTRODUCTION

The office of the Vice Dean for Research & Postgraduate Studies (VDR) continued to facilitate and encourage research activities in the Faculty of Medicine and also at other sites of the University. The VDR office liaises between the Faculty of Medicine and Research Sector as well as other funding agencies such as the Kuwait Institute for Advancement of Sciences (KFAS). The VDR office continued its role in reviewing and authorizing grant applications, providing the information regarding funding issues and conducting workshops to provide information regarding the University procedures to apply for funded projects.

All matters related to research projects are made transparent and clear to all staff members. The VDR office has been regularly communicating with staff members through e-mails which provide the latest updates regarding research projects, guidelines and new regulations from the Research Sector.

During this academic year, the Office of the Vice-Dean for Research & Postgraduate Studies conducted 5 meetings of the Medical Research Committee (MRC). Details of the meetings are recorded in the respective minutes.

The VDR office has also continued to serve all grant applications which require ethical approval from all faculties of the University, both for staff and students.

The Centre for Research Support and Conferences (CRC) has been very active this year in organizing several conferences and workshops. In addition, many researchers including Faculty staff, members from the Ministry of Health, as well as students, have been assisted by CRC in the experimental design and statistical analysis required for their research projects.

The Vice Dean Research and Postgraduate Studies is responsible to ensure the smooth functions of the graduate programs and its proper delivery and quality assurance. The Chairperson of the Areas Committee is the link between the Program Directors and College of Graduate Studies. The Chairperson of Area Committee works closely with the College of Graduate Studies to support the graduate programs in the Faculty of Medicine.

2. RESEARCH PROJECTS AND PAPERS PUBLISHED

Table 1 shows the breakdown of the number of projects and their respective budgets per department.

Detailed information on research projects (under process, approved & ongoing) are displayed in the following tables and figures. (Table 2-4) & (Fig. 1-4).

Details of funded and unfunded research publications are also included in the enclosed tables and figures. (Table 5-7) & (Fig. 5).

2.1 Table 1: Number of Research Projects (Under Process, Approved & Ongoing) in FOM according to Department & Grant during 2015-2019*

Department	No. of Under process Projects	Requested Budget (KD)- Under Process	No. of Approved & Ongoing Projects	Budget (KD)- Approved & Ongoing Projects	Total No of Projects
Anatomy	3	31288	3	27950	6
Biochemistry	2	51405	8	233127	10
Community Medicine	2	9000	3	97949	5
Microbiology	6	91892	10	113386	16
Medicine	4	148500	2	43500	6
Nuclear Medicine	4	291931	1	3756	5
Obstetrics and Gynecology	1	251500	0	0	1
Pediatrics	3	377000	2	8000	5
Pathology	1	50625	7	256500	8
Physiology	7	103745	12	139034	19
Psychiatry	0	0	1	61150	1
Pharmacology	1	18000	3	97500	4
Radiology	0	0	0	0	0
RCF/VDR	1	491000	2	4321770	3
Surgery	1	401541	3	97700	4
TOTAL	36	2317427	57	5501322	93

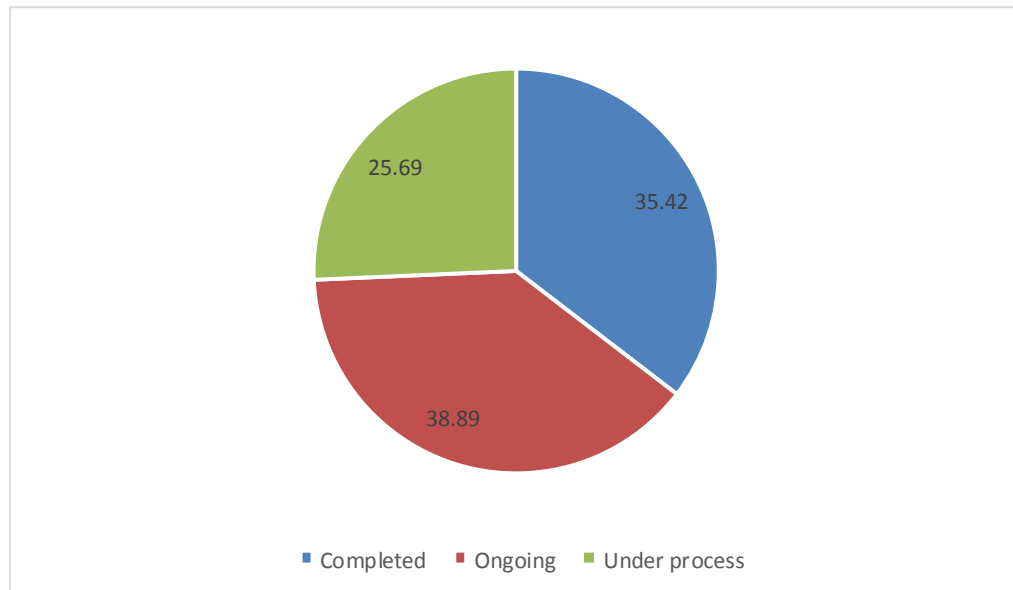
*Until 20/05/2019

2.2. Table 2: Research budget (KD) for Completed projects according to Department and Year (2015-16 & 2017-18)

Department	2015-2016		2017-2018		Total No. of Projects
	No. of Projects	Budget (KD)	No. of Projects	Budget (KD)	
Anatomy	3	10000	0	0	3
Biochemistry	6	27400	0	0	6
Community Medicine	2	72490	0	0	2
Medicine	3	29182	1	529298	4
Microbiology	11	106584	0	0	11
Nuclear Medicine	0	0	0	0	0
Obstetrics & Gynecology	2	6000	0	0	2
Pediatrics	2	114752	0	0	2
Pathology	5	35495	0	0	5
Physiology	7	36998	2	4000	9
Psychiatry	1	59150	0	0	1
Pharmacology	4	16000	1	4000	5
Radiology	0	0	0	0	0
Surgery	1	2000	0	0	1
Total	47	516051	4	537298	51

*Until 20/05/2019

i. **Figure 1: Research Projects of Ongoing, Under Process & Completed in FOM, 2015- 2019***



* Until 20/05/2019

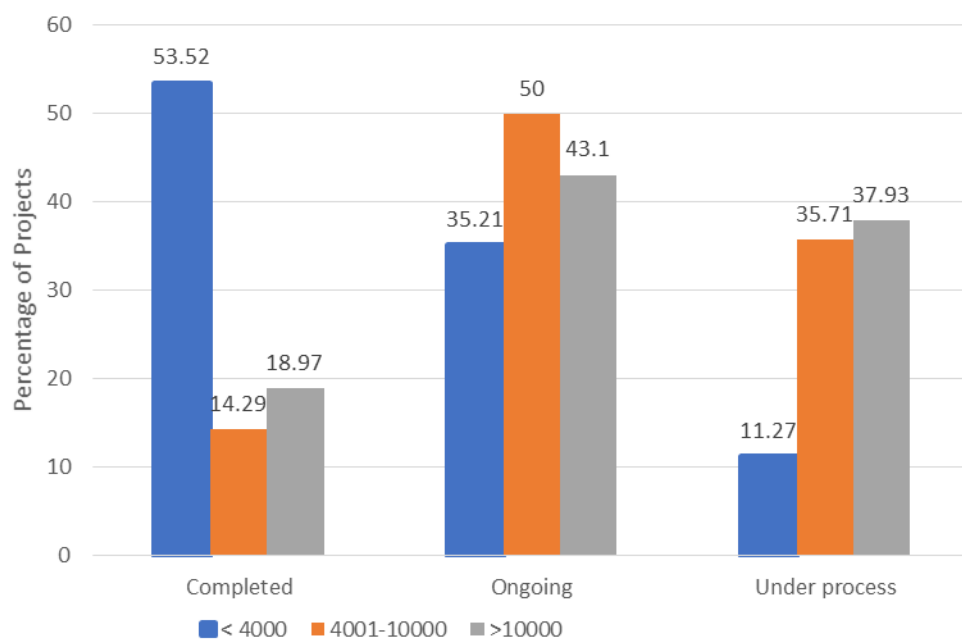
ii. **Table 3: Research Projects (Completed, Ongoing, Under process) according to Budget category during 2015-2019***

Category	Completed N(%)	Ongoing N(%)	Under process N(%)	Total
I	38(53.52)	25(35.21)	8 (11.27)	71
II	2 (14.29)	7 (50)	5 (35.71)	14
III	11 (18.97)	25(10.43)	22(37.93)	58
All projects	51	57	35	143

I= <4000, II=4001-10000 & III= >10000

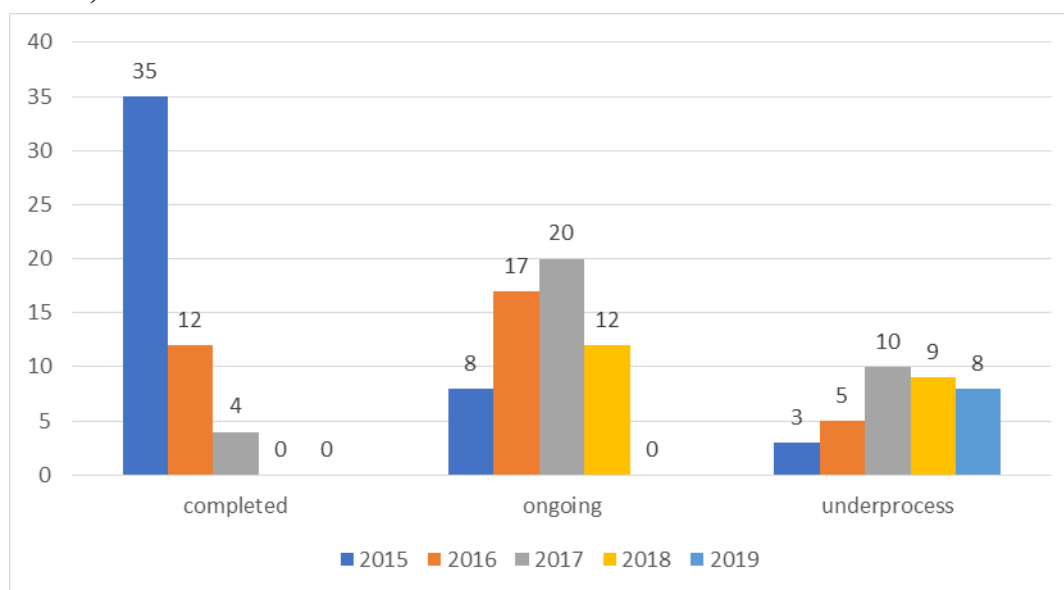
* Until 20/05/2019

2.3. Figure 2: Research Projects (Completed, Ongoing, Under process) 2015-2019



* Until 20/05/2019

2.4. Figure 3: Year-wise number of Completed, Ongoing & Under process projects (2015-2019*)



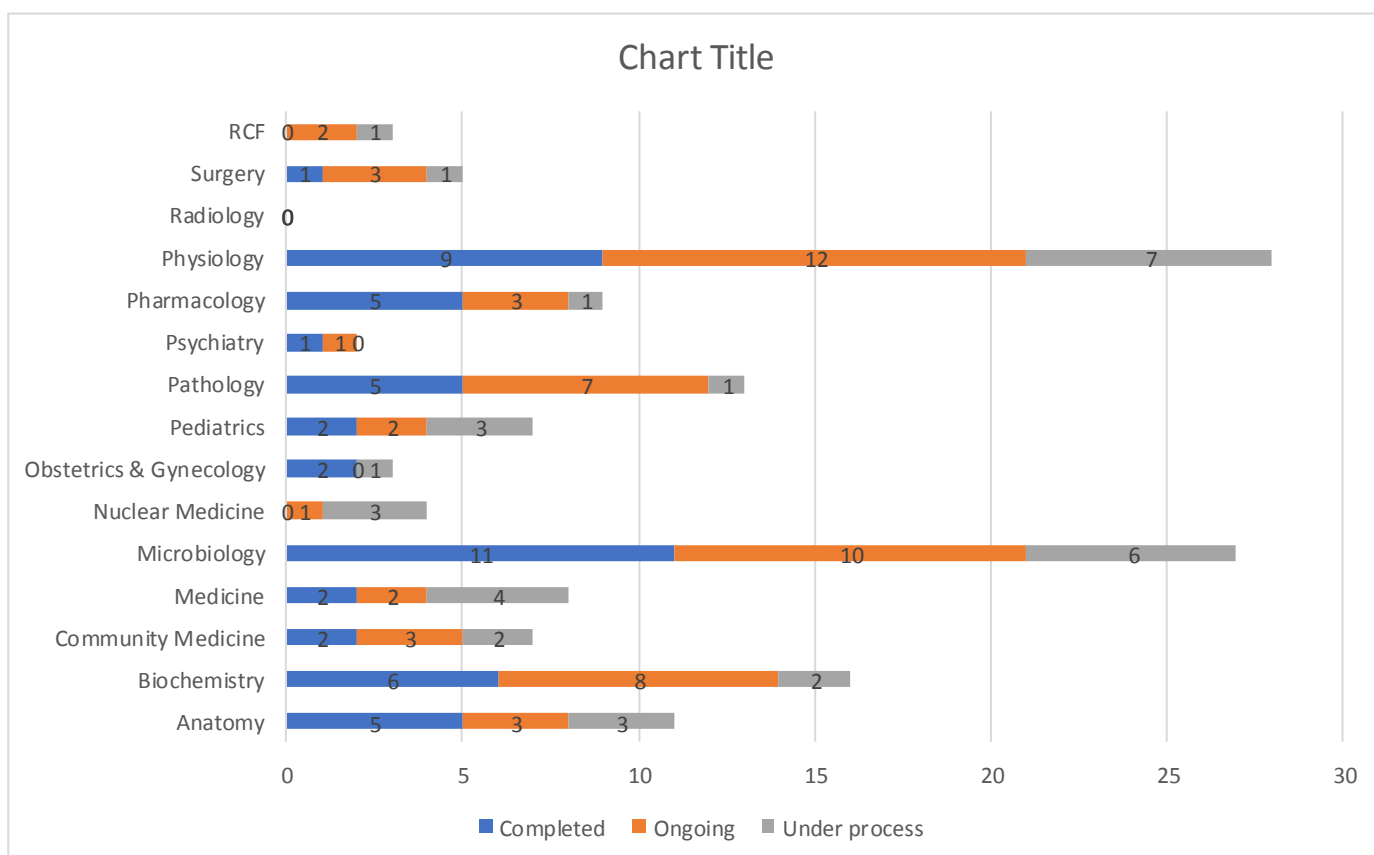
* Until 20/05/2019

Table 4: Research Projects (Completed, Ongoing, Under process) according to Budget Category during 2015- 2019

Category	Completed	Ongoing	Under process	Total	Grand Total
Anatomy					
<4000	3	2	1	6	9
4000-10000	0	0	1	1	
>10000	0	1	1	2	
Biochemistry					
<4000	5	3	1	9	16
4000-10000	1	2	0	3	
>10000	0	3	1	4	
Community Medicine					
<4000	1	1	1	3	7
4000-10000	0	1	1	2	
>10000	1	1	0	2	
Medicine					
<4000	2	1	2	5	10
4000-10000	0	0	0	0	
>10000	2	1	2	5	
Microbiology					
<4000	7	4	1	12	27
4000-10000	0	1	3	4	
>10000	4	5	2	11	
Nuclear Medicine					
<4000	0	1	0	1	4
4000-10000	0	0	0	0	
>10000	0	0	3	3	
Obstetrics & Gynecology					
<4000	2	0	0	2	3
4000-10000	0	0	0	0	
>10000	0	0	1	1	
Pediatrics					
<4000	1	2	0	3	7
4000-10000	0	0	0	0	

>10000	1	0	3	4	
Pathology					
<4000	3	3	0	6	13
4000-10000	1	0	0	1	
>10000	1	4	1	6	
Psychiatry					
<4000	0	1	0	1	2
4000-10000	0	0	0	0	
>10000	1	0	0	1	
Pharmacology					
<4000	5	1	0	6	9
4000-10000	0	0	0	0	
>10000	0	2	1	3	
Physiology					
<4000	8	4	2	14	28
4000-10000	0	3	0	3	
>10000	1	5	5	11	
Radiology					
<4000	0	0	0	0	0
4000-10000	0	0	0	0	
>10000	0	0	0	0	
Surgery					
<4000	1	2	0	3	5
4000-10000	0	0	0	0	
>10000	0	1	1	2	
RCF					
<4000	0	0	0	0	3
4000-10000	0	0	0	0	
>10000	0	2	1	3	
Total	51	57	35	143	143

2.5 Figure 4: Number of Research Projects (Completed, Ongoing & Under process) per Department during 2015-2019*

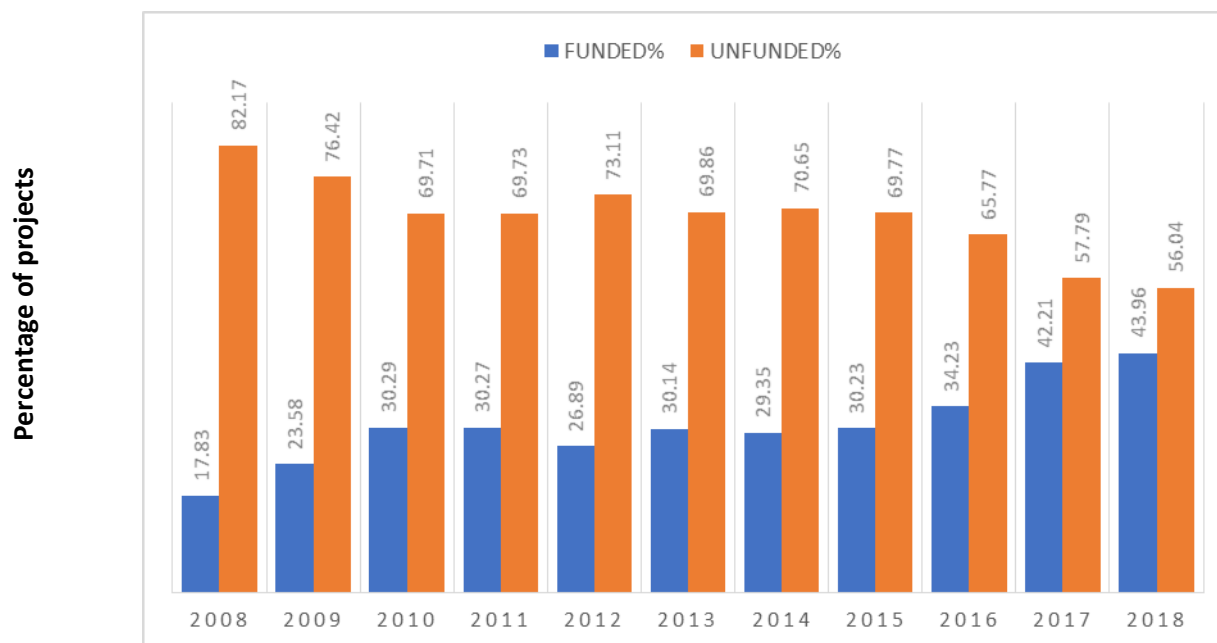


* Until 20/05/2019

2.6 Table 5: Research Papers published from Funded and Unfunded research (2008-2018)

TABLE 1					
YEAR	FUNDED	FUNDED%	UNFUNDED	UNFUNDED%	TOTAL
2008	41	17.83	189	82.17	230
2009	58	23.58	188	76.42	246
2010	73	30.29	168	69.71	241
2011	89	30.27	205	69.73	294
2012	64	26.89	174	73.11	238
2013	66	30.14	153	69.86	219
2014	59	29.35	142	70.65	201
2015	65	30.23	150	69.77	215
2016	76	34.23	146	65.77	222
2017	65	42.21	89	57.79	154
2018	40	43.96	51	56.04	91
	696		1655		2351

Figure 5: Percentage of Research papers from funded and unfunded research (2008-2018)



Funded & Unfunded - Year (2008 - 2018)

*Until - 20/05/2019

2.7 Table 6: Research papers published from funded and unfunded research by Department and Year

DEPARTMENT		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
ANATOMY	FUNDED	2	2	0	1	3	4	4	11	11	6	5
	UNFUNDED	20	19	4	6	11	8	5	7	4	1	
BIOCHEMISTRY	FUNDED	2	5	4	7	8	0	1	3	8	4	3
	UNFUNDED	13	9	3	7	8	5	2	8	7	4	1
COMMUNITY MEDICINE & BS	FUNDED	6	4	6	4	0	5	4	2	1	1	
	UNFUNDED	18	28	23	27	22	31	19	14	16	7	10
MEDICINE	FUNDED	6	4	8	9	4	4	5	1	3	4	5
	UNFUNDED	29	27	34	28	28	18	25	23	13	8	5
MICROBIOLOGY	FUNDED	12	29	33	26	24	27	22	24	21	16	17
	UNFUNDED	24	20	18	35	24	15	24	20	24	13	10
NUCLEAR MEDICINE	FUNDED	0	0	0	2	0	4	1	1	1	0	0
	UNFUNDED	3	7	5	6	1	1	2	2	3	4	2
OBSTETRICS AND GYNECOLOGY	FUNDED	1	0	1	0	0	0	3	1	5	1	0
	UNFUNDED	5	9	9	9	7	1	3	8	4	4	0
PATHOLOGY	FUNDED	3	8	5	9	3	5	3	4	6	3	5
	UNFUNDED	18	16	16	31	19	20	22	27	16	11	5
PAEDIATRICS	FUNDED	0	0	2	5	6	4	1	0	7	12	2
	UNFUNDED	10	5	14	16	22	18	18	23	28	20	3
PHARMACOLOGY	FUNDED	5	4	3	13	9	6	6	8	3	8	0
	UNFUNDED	6	7	4	4	4	9	3	1	3	1	0
PHYSIOLOGY	FUNDED	2	0	2	7	6	1	4	9	9	10	2
	UNFUNDED	15	10	10	10	8	9	2	4	10	7	3
PSYCHIATRY	FUNDED	0	0	4	0	0	1	2	0	0	0	0
	UNFUNDED	0	3	3	3	2	1	1	3	2	0	1
RADIOLOGY	FUNDED	0	0	0	0	0	0	1	0	0	0	0
	UNFUNDED	6	8	6	9	5	4	1	0	2	0	2
SURGERY	FUNDED	2	2	5	5	1	5	3	1	1	0	1
	UNFUNDED	22	20	19	14	13	13	15	10	14	9	9
Subtotal by year												
		230	246	241	293	238	219	202	215	222	154	91

Total = 2351

*Until 20/05/2019

2.8 Table 7: Research Papers published from Funded and Unfunded research according to department (2008-2018*)

DEPARTMENT	FUNDED	%	UNFUNDED	%	Total
	No		No		
ANATOMY	49	36.57	85	63.43	134
BIOCHEMISTRY	45	40.18	67	59.82	112
COMMUNITY MEDICINE & BS	33	13.31	215	86.69	248
MEDICINE	53	18.21	238	81.79	291
MICROBIOLOGY	251	52.51	227	47.49	478
NUCLEAR MEDICINE	9	20.00	36	80.00	45
OBSTETRICS AND GYNECOLOGY	13	18.06	59	81.94	72
PATHOLOGY	54	21.18	201	78.82	255
PAEDIATRICS	39	18.06	177	177.00	216
PHARMACOLOGY	65	60.75	42	39.25	107
PHYSIOLOGY	52	37.14	88	62.86	140
PSYCHIATRY	6	24.00	19	76.00	25
RADIOLOGY	1	2.27	43	97.73	44
SURGERY	26	14.13	158	85.87	184
Total	696	29.60	1655	70.40	2351

*Until 20/05/2019

3. COMMITTEES OF THE OFFICE OF VICE DEAN FOR RESEARCH & POSTGRADUATE STUDIES

3.1 Medical Research Committee

Ex-Officio Members

Prof. Adel K. Ayed (Dean, Faculty of Medicine)

Prof. Noura Al-Sweih (Vice-Dean, Academic)

Members

Prof. Raja'a Al-Attiyah (**Chairperson**)

Prof. Suhail Ahmad

Prof. Mohammed Haider

Prof. Moussa Alkhalaf

Prof. Waleed Shuaib

Prof. Nawaf Al-Mutairi

Dr. Abeer Abdullah

During this academic year, the Office of the Vice-Dean for Research & Postgraduate Studies conducted 5 meetings of the Medical Research Committee (MRC). During these meetings 7 applications were screened by the DRC and MRC and sent to RS for further processing

3.2 HSC Committee for Protection of Human Subjects in Research (CPHSR)

The Committee on the Protection of Human Subjects in Research is an independent Committee whose members are appointed by the Faculty of Medicine Council on the recommendation of the Faculty of Medicine Deans Executive Committee. HSC Committee conducted 4 meetings, 55 projects were screened and approved according to the regulations stated by the Ethics Committee. Details of the meetings are recorded in the respective minutes.

Members

Prof. Nasser Behbehani	Dept. of Medicine (Chairman)
Prof. Abdelhamid Elgazzar	Dept. of Nuclear Medicine
Prof. Nabila Abdella	Dept. of Medicine
Prof. Suhail Ahmad	Dept. of Microbiology
Dr. Gursev Dhaunsi	Dept. of Paediatrics
Dr. Ahmad Al-Khamis	Dept. of Surgery
Dr. Areej Al-Khabbaz	Dept. of Surgical Sciences, Fac. Of Dentistry
Prof. Chacko Mathew	Dept. of MLS, Fac. of Allied Health Sciences
Prof. Abdelmoneim Awad	Dept. of Pharmacy Practice, Fac. of Pharmacy

Functions

- a. To establish mechanisms for the ethical review of all research activities involving human subjects.
- b. To ensure that the study is conducted according to globally accepted standards of good clinical practice (as defined in the **ICH E6 Guideline for Good Clinical Practice, July 2002**), in agreement with the latest revision of the **World Medical Association Declaration of Helsinki – Ethical Principles for Medical Research Involving Human Subjects, 59th WMA General Assembly, Seoul, October 2008** and in keeping with local regulations and moral values.
- c. To assess the potential risks involved in procedures involving human subject's relative to the benefits to be expected.
- d. To assure that adequate safeguards for the relief of trauma or stress are included in the protocol.
- e. To ensure the suitability of the investigator(s) for the proposal in relation to his/her qualifications, experience, supporting staff and available facilities.
- f. To ensure that the "informed consent form" is in an understandable language and specifies the name and designation of the informing person.
- g. To review the adequacy and completeness of the written information given to the subjects or an acceptable relative and if necessary legal representatives.
- h. To check documents of "informed consent" which include the following:
 - i. A fair explanation of the procedures to be followed.
 - ii. A description of attendant discomfort and risks.
 - iii. A description of the benefits to be expected.
 - iv. An offer to answer any inquiries concerning the procedure.
 - v. An undertaking that the subject is free to withdraw consent and to discontinue participation in the project at any time.
 - vi. An assurance that measures would be taken for the confidentiality of data.

The Committee shall consider any other matters referred to it by the Dean of the Faculty of Medicine, and the MOH/KIMS.

Procedures

- a. Principle Investigator (PI) should submit the research proposal/protocol attached with the Special COMMITTEE Forms to the Office of the Vice Dean for Research.

- b. The PI should submit to the COMMITTEE forms according to his/her research, and to fill the appropriate set of forms concerning the research, and as to whether the research involves adults, or children, or both.

It is important to fill the Cover Form which includes:

Investigator's Name and Designation, Title of the Project, Summary of the Study and detailed

Plan of the study.

To submit consent forms both in Arabic and English.

- c. The Committee's deliberations shall be confidential, and the decisions taken shall be communicated directly to the investigator(s).

3.3 Scientific Affairs Advisory Committee

During the academic year 2018-2019 the committee met once to discuss matters regarding conferences and workshops, as well as general matters.

3.4 Departmental Research Coordinators Committee

Members:

- Prof. Raja'a Al-Attiyah (Chairperson)
- Prof. Ludmil Benov (Dept. of Biochemistry)
- Prof. M. John Albert (Dept. of Microbiology)
- Prof. Naji S. Al-Zaid (Dept. of Physiology)
- Dr. Ismet Sarikaya (Dept. of Nuclear Medicine)
- Prof. Milad Bitar (Dept. of Pharmacology)
- Dr. Suad Abdeen (Dept. of Pathology)
- Prof. Nandakumaran Moorkath (Dept. of Obstetrics and Gynaecology)
- Prof. Renu Gupta (Dept. of Radiology)
- Prof. Saeed Akhtar (Dept. of Community Medicine)
- Dr. Sana Al-Mutairi (Dept. of Medicine)
- Dr. Ebtesam Abdel-Basset (Dept. of Anatomy)
- Dr. M.A. Zahid (Dept. of Psychiatry)
- Dr. Gursev Dhaunsi (Dept. of Paediatrics)
- Prof. Fahad Al-Asfar (Dept. of Surgery)

During the academic year 2018-2019, the committee met once to discuss matters related to improvement of research activities.

3.5 Radiation Safety Committee

Members:

- Prof. Raja'a Al-Attiyah – **Chairperson**
- Chairman, Dept. of Nuclear Medicine

- Chairman, Dept. of Radiology
- Dr. Suleiman Al-Sabah, Dept. of Pharmacology
- Dr. Suhail Ahmad, Dept. of Microbiology
- Dr. Gaber Ziada, Dept. of Nuclear Medicine
- Dr. Andreas Henkel, Dept. of Physiology
- Dr. Fadel Ali Haider Ghloum - MOH Representative
- Mr. Moh'd Sakr (Radiation Protection Officer) - Secretary

3.6 Ad hoc Committee for Distinguished and Young Researcher Awards

The committee examined the applications for the Distinguished Researcher Award (3 applications) and Young Researcher Award (2 applications) very carefully and followed the instructions for evaluation as recommended by the Research Sector.

Based on the final scores of the applicants, the Distinguished and Best Young Researcher Award committee was able to recommend none of the applicants for the Distinguished Researcher Award & Best Young Researcher Award from the Faculty of Medicine for the year 2018-2019.

3.7 Area Committee Meetings for Graduate Programs in the Faculty of Medicine

Vice Dean Research and Postgraduate Studies is the Chairperson of the Area Committee for Graduate Program in Faculty of Medicine. In her capacity as the Chairperson of the Area Committee, she is responsible to ensure the smooth functions of the graduate programs and its proper delivery and quality assurance. The Chairperson of the Areas Committee is the link between the Program Directors and College of Graduate Studies. The Chairperson of Area Committee works closely with the College of Graduate Studies to support the graduate programs in the Faculty of Medicine and formation of the graduate programs committees. During the academic year 2018-2019, the committee met one time in order to discuss matters regarding the graduate programs in the faculty as well as to get reports from the program directors about the graduate programs and students performance in the different programs.

1. Graduate Programs

MSC Program

There are now 9 M.Sc. programs in the Faculty

PhD Programs

Three Programs are running for the last few years:

- 1) PhD in Microbiology
- 2) PhD in Physiology
- 3) PhD in Pathology
- 4) PhD in Pharmacology (started 2016-2017)
- 5) PhD in Medical Biochemistry (started 2018-2019)

2. PhD Programs approved:
 - 1) PhD Program in Nuclear Medicine
3. Programs to be approved:
 - 1) M.Sc. Program in Child Health
 - 2) M.Sc. Program in Medical Physics
 - 3) PhD Program in Anatomy

Area Committee Members

- | | |
|----------------------------|----------------------|
| 1) Prof. Raja'a Al-Attiyah | Chairperson |
| 2) Prof. M. John Albert | Microbiology |
| 3) Prof. Edet Udo | Microbiology |
| 4) Prof. Kusum Kapila | Pathology |
| 5) Prof. Mabayoje Oriowo | Pharmacology |
| 6) Prof. Zoran Redzic | Biomedical Sciences |
| 7) Prof. Adnan Abal | Community Medicine |
| 8) Prof. Jaber Ziada | Nuclear Medicine |
| 9) Prof. Waleed Shuaib | Physiology |
| 10) Dr. Abdeslam Mouihate | Physiology |
| 11) Prof. Alyaa Mousa | Anatomy |
| 12) Prof. Moussa AlKhalaf | Medical Biochemistry |

Number of Graduate Students in the Faculty of Medicine 2018/2019

Program	MSc Current	PhD Current	Total
Pathology	1	2	3
Anatomy	7	-	7
Medical Biochemistry	7	2	9
Biomedical Sciences	7	-	7
Microbiology	6	6	12
Nuclear Medicine	1	-	1
Pharmacology	1	3	4
Physiology	7	6	13
Public Health	5	-	5

Total	42	19	61
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4. Centre for Research Support and Conferences (CRC)

The Center for Research Support and Conferences is an integral part of the Faculty of Medicine and is supervised by the Vice-Dean for Research and Postgraduate Studies. The center's major objectives are to provide and extend logistic support in organizing conferences, workshops, seminars, and related activities held by different faculties of the Health Sciences Center (HSC). The focus is also in encouraging exchange and transfer of scientific knowledge within faculties and departments of HSC community. On the services front, the Center renders professional support in statistical consultation, research planning, analysis, data management and training.

The Center, therefore, endeavors to provide the researchers with the best services needed for accomplishing their basic and applied research goals in a congenial environment that nurtures innovation and leads to creative excellence through ample utilization of advanced facilities, professional consultations, technical support and services in areas of strategic priorities that are significant to human health. The CRC oversees continuous development of its multiple services provided to researchers, and endeavors to enhance existing facilities for expediting scientific advancement.

The center is located within the premises of Faculty of Medicine. Services are open to all faculty members and researchers of Faculty of Medicine, as well as the HSC's constituent faculties. The scientific community constantly interacts with the CRC consultative, technical and services staff for their diverse research needs, and utilizes the available facilities for accomplishing their scientific and professional commitments. For users benefit, requisite information on the Center's program and activities is accessed through the Health Sciences Center website (www.hsc.edu.kw), by clicking at the Faculty of Medicine.

4.1 Centre for Research Support and Conferences works under the overall supervision of

Prof. Raja'a Al- Attiyah
Vice Dean Research & Post graduate studies
Faculty of Medicine

Dr. Nada Madi
Director, Faculty of Medicine

Staff:

1. Mrs. Teena Sadan
Senior Technician
2. Mrs. Mariam Al-Saleh Nadajah
Senior Medical Executive Secretary
3. Mrs Leya Jacob
Senior Computer Engineer

4. Ms. Zenab Tahir
Executive Secretary

4.2 Conferences, Symposia and Workshops

CRC functions by extending scientific and logistic supports in planning and organizing scientific events, conferences, workshops, seminars, and related activities held by different faculties of the HSC and Ministry of Health. Support includes:

- Budget planning
- Website designing and announcements
- Scientific sessions planning and program development
- Registration system for attendance and CME points awards
- Event evaluation through surveys
- Logistic arrangements for guests and invited speakers

4.3 During the the academic year 2018-2019, CRC supported fully or partially the following Events.

2018	Symposium L	Phuture: Pulmonary Hypertension Advanced training Program	19-20 January 2018	Dr. Sanaa Al-Mutairi	KTS, FOM
	L	COPD Evening Symposium: “See the difference when you don’t hold back”	21st February 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Humanitarian Aspects of Forensic Practice in the Arab World	26-Mar-18	Dr. Mohammed Elfawal	FOM
	L	“Update in Clinical Microbiology And Infectious Diseases, 2018”	8-10 April 2018	Dr. Wafaa Jamal	FOM
	Workshop L	Staff Participation In Inter-Professional Education Workshop	28-31 January 2018	Prof. Pierre Morrou	FOP
	L	Inflammatory bowel disease (IBD): An update for healthcare providers	5-7 March 2018	Dr. Monerah Al-Soraj	FOP
	L	Kuwait COPD Day	21-Apr-18	Prof. Nasser Behbehani	KTS, FOM
	Conference- L	Academic Accreditation Conference	4-6 February 2018	Prof. Widad Al-Nakib	FOM
	L	Air Pollution, Climate Change and Human Health	11th March 2018	Prof. Harrie Viano	FOPH
	L	23rd HSC Poster Conference	13-15 March 2018	Prof. Yunus Luqmani	HSC
2019	Symposium L	World Asthma Day 2018 Scientific Symposium	Saturday, 12 th May 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Mubarak Hospital Team	25 th , September 2018	Prof. Nasser Behbehani	KTS, FOM
	L	2nd Scientific Day: Update in Respiratory Infections	Saturday, October 27, 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Farwaniya Hospital Team	30 th October 2018	Prof. Nasser Behbehani	KTS, FOM

	L	Kuwait Thoracic Society: Interstitial Lung Disease Day	Saturday, November 10, 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Amiri Hospital Team	27 th November 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Journal Club: Medical Article by Dr. Eman Alanbaiee	25 th December 2018	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Chest Hospital Team	29 th January 2019	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Adan Hospital Team	19 th February 2019	Prof. Nasser Behbehani	KTS, FOM
	L	The Collaborative Advantage	17 th March 2019	Dasman Diabetes Center	
	L	Clinical Grand Round: Sabah Hospital Team	26 th March 2019	Prof. Nasser Behbehani	KTS, FOM
	I	Special Clinical Grand Round: Prof. Diego Gonzalez-Rivas	16th April 2019	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Journal Club	23rd April 2019	Prof. Nasser Behbehani	KTS, FOM
	L	Clinical Grand Round: Mubarak Hospital Team	11th June 2019	Prof. Nasser Behbehani	KTS, FOM
	L	“Update in Clinical Microbiology And Infectious Diseases, 2019	APRIL 7 – 9	Prof. Wafaa Jamal	FOM, KIMS
	Workshop L	The family and Diabetes- World Diabetes Open Day	15th November 2018	Dasman Diabetes Center	
	L	Awareness Workshop - Opportunities for Research Collaboration	Tuesday, 29th January 2019 from 9:00am-14:45pm	RCF	
	I	Advances in Molecular Physiology Workshop “From Bench to Bedside”	17-19 March 2019	Prof. Fawzi Babiker	FOM
	L	Getting the Concept right- Introducing Continuing Professional Development	17,18,21 March 2019	Dr. Monerah Al-Soraj	FOP
	L	IncuCyte S3 Live Cell Analysis System Technology and Applications	Monday, March 25, 2019	RCF	

	L	OMICS Research Unit Workshop	Monday , March 25, 2019	RCF	
	I	Curriculum Workshop	31st March-3rd April, 2019	Prof. Noura Al Sweih, Prof. Jamshaid Iqbal	FOM
	L	The Impact of Interdisciplinary Team on Healthcare	10-Apr-19	Dr. Monerah Al-Soraj	FOP
	L	Scope Kuwait Program - Obesity in your clinical practice	11-Apr-19	Dasman Diabetes Center	
	L	1st IFSO-MENAC	April 11 to 13, 2019	Dasman Diabetes Center	
	L	Diabetes Remission Clinical Trial: Results At 24 Months	APRIL 24TH, 2019	Dasman Diabetes Center	
	L	Asthma Education Forum	30th April 2019	Prof. Naser Behbehani	KTS, FOM
	Campaign L	Poison Prevention campaign	10 &11 April 2019	Dr. Bedoor Qabazard	Faculty of Pharmacy
	I	L'Oréal-UNESCO For Women in Science Middle East Fellowship 6th edition	20th April 2019	MOH	
	Conferences I	3rd Kuwait International Conference on Life Sciences	27-29 November 2018	College of Life Sciences	
	L	3rd Poster Day	5th March 2019	MOH, Farwaniya	
	I	7th Kuwait International Pharmacy Conference - KIPC 2019	5-7 March 2019	Dr. Fatma Al-Awadi	Faculty of Pharmacy
	L	24th HSC Poster Conference	12-14 March 2019	Prof. Kusum Kapila	Health Science Center
	I	2nd Kuwait Medical Laboratory and Obstetrics & Gynecology Conference	13-14 March 2019	Ministry of Health	
	L	Second National Allied Health Professions Conference	27-28 March 2019	Allied Health	
	L	12th Student Research Day	15th May 2019	Allied Health	

*L – Local; I - International

4.3.1 Faculty of Medicine Seminars/ Thesis presentations:

Centre for Research Support and Conferences (CRC) is responsible of arranging the faculty seminars, including announcements, distribution, and generation of CME points awards since September 2004. Chairperson for Faculty Seminar during this year was Dr. Gursev Dhaunsi, Department of Pediatrics. CRC also circulates announcements of thesis defenses in the faculty and keeps database for that. Announcements are sent to all departments of HSC faculties, departments of Ministry of Health Hospitals and Directors of major private hospitals and medical centers in Kuwait. Monthly, an average number of 4 seminars are conducted. List of seminars with titles and speakers presented during the academic year 2018-2019 is given in the following table.

Faculty Seminar Schedule 2018-2019				
Sl No	Date	Speaker	Title in English	Title in Arabic
1	7-May-18	Dr. Amrizal Muhammad Nur, Associate Professor, Medical Lecturer & Public Health Specialist Deputy Head, Faculty of Medicine, National University of Malaysia, Kuala Lumpur	Economic Burden of Cognitive Impairment and Dementia among Elderly	العبء الاقتصادي للضعف المعرفي والخرف لدى كبار السن
2	9-May-18	Prof. Abdelilah Aboussekhra, Chairman, Department of Molecular Oncology, Head Cancer Biology & Experimental Therapeutics Section, King Faisal Specialist Hospital and Research Center	The Role of Tumor Microenvironment in Prognosis and Therapy: Toward Precision Medicine	دور البيئة الدقيقة للورم في التشخيص والعلاج: نحو الطب الدقيق
3	10-May-18	Dr. Ali Al-Homood, Associate Researcher, ELSRC, KISR, Researcher in Occupational and Environmental Health, Public Health and Safety, Ergonomics & Risk Assessment	Burden of Disease Associated with PM 2.5 Exposure in Kuwait	عبء المرض المرتبط بالتعرض في الكويت PM 2.5 إلى

4	4-Jun-18	Dr. Bilesha Perera, Professor, Chairperson, board of Study and continuing Education, Faculty of Medicine (UOR)	Population Aging and Health	شيخوخة السكان والصحة
5	27-Jun-18	Prof. Anwar T. Merchant, Department of Epidemiology and Biostatistics, Arnold School of Public Health, University of South Carolina, Columbia, USA	Does Correcting for Bias Caused by Unequal Survival in the Treatment Arms of an RCT Matter?	هل يصح التحيز الناجم عن البقاء غير المتكافئ في أذرع معالجة مادة RCT؟
6	16-Oct-18	Dr. Majeda Abdulrasoul, Pediatrics	Type 2 Diabetes Mellitus in Children and Adolescents	داء السكري من النوع الثاني في الأطفال و اليافعين في الكويت
7	30-Oct-18	Prof. Narayana K, Anatomy	Resveratrol Modulates Hyperglycemia-induced Disruptions in Intracellular Signaling Pathways	(ريسفيراترول) ينظم الاضطرابات الناجمة عن ارتفاع السكر في مسارات الإشارات داخل الخلايا.
8	13-Nov-18	Prof. Jamshaid Iqbal, Microbiology	Reflection & Feedback as Conceptualized and Practiced: FOM Hanging in the Middle	التفكير والتغذية الراجعة كمفاهيم وممارسة: كلية الطب معلقة في الوسط
9	19-Nov-18	Dr. Andreas W. Henkel, Chairman of the Health and Safety Committee, Assistant Professor, Department of Physiology, FOM, KU	General Health & Safety	الصحة العامة والسلامة
10	27-Nov-18	Dr. Edet Udo, Microbiology	Transition of Methicillin-resistant Staphylococcus aureus from the community to hospitals: The Kuwait experience	انتقال البكتيريا العنقودية المقاومة للمثبيلين من بيئة المجتمع الي بيئة المستشفيات: دراسة تمت في الكويت

11	25-Dec-18	Prof. Abdelhamid Elgazzar, Nuclear Medicine	The Rising Importance of Learning Creativity and Innovation	تعظيم اهميه تعلم الإبداع والابتكار
12	29-Jan-19	Prof. Harri Vianno, Public Health	Why Cancer Prevention?	الوقاية من السرطان... لماذا؟
13	30-Jan-19	Dr. Lawrence Banks, Senior Scientist at International Centre for Genetic Engineering and Biotechnology (ICGEB), ICGEB Scientific Coordinator, Trieste, New Delhi and Cape Town	Human Papillomaviruses: From Infectious Entry to Malignancy	فيروسات الورم الحليمي البشري: من الدخول المعدية إلى الورم الخبيث
14	5-Feb-19	Dr. Naif Mutawa, Community Med	Using Cognitive Behavioral Therapy Skills in Everyday life	استخدام طرق العلاج السلوكي المعرفي في الحياة اليومية
15	5-Mar-19	Dr. Sonia Al-Hashimi, Physiology	Episodic Ataxia Type 1: A Potassium channelopathy	اعتلال قناة البوتاسيوم: الترنح العرضي
16	12-Mar-19	Dr. Salem Al-Shemmari, Department of Medicine	Myeloproliferative Neoplasms	
17	19-Mar-19	Dr. Dovendans, Germany	Treating Heart Failure	علاج فشل عضلة القلب
18	2-Apr-19	Dr. Abeer Abdallah, Pathology	Molecular Mechanisms in Papillary Thyroid Cancer Pathogenesis	الآليات الجزيئية في التسبب في سرطان الغدة الدرقية الحليمي
19	16-Apr-19	Dr. Abdullah Al-Taïar, Community Med	Vitamin D Deficiency in Adolescents: State of Denial	نقص فيتامين "د" عند المراهقين
20	17-Apr-19	Prof. Vassilios Papadopoulos	Pharmacological Regulation of Steroid Hormone Biosynthesis	التنظيم الدوائي لتخليق هرمون الستيرويد الحيوي
21	17-Apr-19	Prof. Sebastian Amyes Giles	Is Antibiotic Resistance a bigger medical	هل مقاومة المضادات الحيوية مشكلة طبية أكبر من السرطان؟

			problem than cancer?	
22	30-Apr-19	Dr. Abdelslam Mouihate, Physiology	The Re-Programming of the Brain by Prenatal Inflammation	
RCF Seminars				
Sl No	Date	Speaker	Title in English	Title in Arabic
1	7-Jan-19	Mr. Marjan Orban, EMBA International Sales Director, BMG Labtech HQ, Germany	BMG LABTECH Microplate Reader	قارئ BMG LABTECH الصفيفة
2	11-Mar-19	Dr. Matthias Rietdorf, MS Business Development Manager, East and South East Europe, Middle East and Gulf	Preparative High Performance Liquid Chromatography	تحليل كروماتوجرافي سائل عالي الأداء
3	16-Apr-19	Pauline Ogrodzki, Commercial Application Scientist-Genomics AGBL, Dubai	Illumina MiSeq (NGS) Applications and AGBL Solutions	إllumina MiSeq تطبيقات جهاز (AGBL وحلول شركة NGS)
MSc Thesis				
Sl No	Date	Speaker	Title in English	Title in Arabic
1	4-Aug-18	Ms. Sarah Talib Hussain	Primary and Secondary Glioblastoma in Kuwait	ورم أرومي دقيقي الابتدائي والثانوي في الكويت
2	28-Mar-19	Jack Farah, Commercial Application Specialist, Alliance Global Group	High-Frequency Ultrasound in Pre-Clinical Research	الموجات فوق الصوتية عالية التردد في البحوث قبل السريرية
3	9-Apr-19	Dr. Rima AbuShawareb, Nuclear Medicine MSc Student	Molecular Imaging of Multiple Myeloma	التصوير الجزيئي للورم النخاعي المتعدد

4	2-May-19	Ms. Fatemah Fadel Mohammad	Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/p53/Survivin Pathway in Testicular Ischemia Reperfusion Injury	ضعف الميتوكوندريا يساهم في موت الخلايا المبرمج عبر مسار JNK/p53/Survivin في إصابات الإشباع بنقص تروية الخصية.
5	20-May-19	Ms. Hedaya Ali Al-Dakhil	A Study Comparing the Antioxidant Efficacy of Ginger Extracts and Perindopril as One of the Antihypertensive Drugs on the STZ Model of Alzheimer's Disease in Rat	دراسة تقارن فعالية مضادات الأكسدة في مستخلصات الزنجبيل وبريندوبريل كأحد الأدوية الخافضة للضغط على نموذج لمرض الزهايمر في الفئران.
6	16-Oct-19	Taiba A N Al-Arbeed	Anti-apoptotic and Neuroregenerative Effects of Soluble Protein Fraction of the epidermal Secretion from the Arabian Gulf Catfish following Sciatic Nerve Crush Injury in Rats	التأثيرات المضادة للالتهاب المبرمج والتأثير العصبي للبروتين الذائب في إفراز البشرة من أسماك القرموط في الخليج العربي بعد إصابة سحق العصب الوركي في الفئران.
7	29-Oct-19	Ibrahim B I Alrekhaish	The Use of a Computerized Coronary Artery Segmentatino-Perfusion Territories model for Assessing Differential Regional Myocardial Perfusion in Tc-99m Tetrofosmin Stress and Rest Heart Studies to Enhance Detection of Ischemia	استخدام نموذج أقاليم الشظايا التاجية المحوسبة للشريان التاجي لتقييم نضح عضلة القلب الإقليمي التفاضلي في دراسات الجهاز الراحة Tet-99m القلبية للتعزيز الكشف عن Tetrofosmin الإقفار

PhD Thesis				
Sl No	Date	Speaker	Title in English	Title in Arabic
1	26-Sep-18	Mr. Meshal Samir Beidas, PhD Student	Antiviral Gene Expression during Human Coronavirus OC43 Infection	التعبير الجيني المضاد للفيروسات أثناء الإصابة بعدوى فيروس كورونا OC43 البشري
2	21-Dec-18	Samah Kalakh, PhD Student	Remyelination during the Peripartum Period in Rats: The Role of Allopregnanolone-Activated GABAergic System	ريميلينيشن خلال الفترة المحيطة في GABAergic الفئران: دور نظام المنشط من قبل الوبيجربنولون
Other Seminars				
Sl No	Date	Speaker	Title in English	Title in Arabic
1	14-Oct-18	Prof. Bazle (Mian) Hossain, Professor of Biostatistics, School of Community Health and Policy, Morgan State University, Baltimore, Maryland	Structural Equation Modeling: Why do we need it?	نمذجة المعادلة الهيكلية: لماذا نحتاجها؟
2	12-Dec-18	Dr. Ahmad Al-Nawafleh, Associate Professor in Healthcare Management, Faculty of Nursing, Mutah University, Jordan	Determinants of Primary Health Services Utilization in Jordan from Patient's Perspective: Qualitative Study	محددات استخدام خدمات الصحة الأولية في الأردن من وجهة نظر المريض: دراسة نوعية
3	17-Dec-18	Dr. Leena Karlsson, Associate Professor, University of Southern Denmark (SDU), Institute of Public Health, Unit for Health Promotion Research, Esbjerg, Denmark	Work Integrated Learning as a Catalyst for Empowerment	عمل التعلم المتكامل كعامل محفز للتمكين
4	31-Dec-18	Dr. Mohammed Abdou Khedr, Department of Pharmaceutical Sciences, College of Clinical Pharmacy, King Faisal University, KSA	Computational Drug Repositioning: An out of the box challenge	تغيير موضع الدواء الحسابي: تحدٍ خارج الصندوق

5	3-Feb-19	Dr. Alyaa Mousa, Program Director, Dept. of Anatomy, FOM	One Day Event Master Program In Anatomy	حدث يوم واحد: برنامج ماجستير في علم التشريح
6	20-Mar-19	Dr. Pierre Drapeau, Canada Research Chair in Neuroscience, University of Montreal	Genome Editing	تحرير الجينوم
7	24-Mar-19	Dr. Eba Hathout, Professor of Paediatric Endocrinology, California, USA	Transplantation in Diabetes	زراعة الأعضاء في مرض السكري
8	25-Mar-19	Mr. Venkatram Dattu, Sr. Regional Manager, Gatan Inc.	Advances in Cyro-Transmission Electron Microscopy (Cyro-TEM): Techniques and Instrumentation	التطورات في مجهر الإلكترون بنقل Cryo-TEM:(الحركة بالتبريد) التقنيات والأجهزة
9	28-Mar-19	Jack Farah, Commercial Application Specialist, Alliance Global Group	High-Frequency Ultrasound in Pre-Clinical Research	الموجات فوق الصوتية عالية التردد في البحوث قبل السريرية
10	28-Mar-19	Mr. Anil Yalcin, TEM Application Specialist, ThermoFisher Scientific, USA	Electron Microscopy Solutions for Life Science & Material Sciences	حلول المجهر الإلكتروني لعلوم الحياة وعلوم المواد
11	17-Apr-19	Dr. Vassilios Papadopoulos, USA	Pharmacological Regulation of Steroid Hormone Biosynthesis	التنظيم الدوائي لتخليق هرمون الستيرويد الحيوي.

4.3.2 Advertisements for Research Positions

	Position	Department	PI
1	Research Assistant	Pediatrics	Prof. Adekile
2	Research Associate	Biochemistry	Dr. Aisha Al-Jarallah
3	Senior Research Assistant	Biochemistry	Prof. Ludmil Benov
4	Research Assistant	Anatomy	Dr. Madhyastha Sampath

Total number of events fully/partially supported by CRC: 2018-2019

Events 2018-2019- CRC	Conference					
	International	Local	Workshop	Symposia	Campaign	Seminar
HSC - Faculty of Medicine (Staff, Student)	2	1	6	17		
Faculty of Medicine- Student						
HSC - Faculty of Pharmacy (staff, student)		1	4		1	
HSC - Faculty of Public Health	1					
Faulty of Allied Health	2					
College of Life Science- Faculty of Women		1				
Desman Diabetes Center			4	1		
KISR			1			
Ministry of Health		2			1	
Seminar- Faculty (Academic and Nonacademic)						33
Seminar - Student- MSc						7
Seminar - Student- PhD						2
RCF Seminar						3
Sub total	5	5	15	18	2	45
Total for Events 2018-2019						90

4.3.3 Evaluation Report of HSC Poster Conference

24th HSC Poster Conference; 12-14 March 2019

Total number of abstracts submitted: 234

Total number of abstracts accepted: 213

Total number of posters presented: 202

The number of research abstracts accepted this year for the poster conference was 213, which reflected the good progress in research in the Health Sciences Center in Kuwait. Total number of online registered participants for CME credits: 379.

Keynote Speaker: Prof. Sami Asfar, M.B., Ch.B., MD (UK), FRCS, FRCSED, FACS
Professor of Liver and Vascular Surgery, Faculty of Medicine, Kuwait University

EVALUATION STATISTICAL ANALYSIS – 24th HSC POSTER CONFERENCE 2019

No. of Registrants = 379; No. of Respondents =137

NA: not applicable

	Agree	Disagree	NC
	%	%	%
The Poster Conference was adequately publicized to attract contributors	88.3	9.4	2.1
The majority of abstracts were of adequate scientific/clinical merit to justify their acceptance.	94.8	2.4	2.4
Information on preparation of posters was sufficiently detailed.	92.7	4.8	2.4
The Outstanding Poster Awards serve as a motivator for scientific research	87.8	10.6	1.6
The Oral Presentation of the Award winners served as a motivator for future participants	81.3	8.1	10.6
The Poster Conference enhances the research image of the HSC and Kuwait University	99.2	0.81	0
The Poster Conference encourages collaborations within the HSC	93.5	3.3	3.3
The Overall organization of the Poster Conference was satisfactory	85.4	12.2	3.3

The Keynote Topic was appropriate and interesting	81	11.7	7.3
The Keynote Presentation was very useful and informative	79.6	9.4	11.7
On the whole, I found the Poster Conference a useful academic activity	98.5	2.1	0

4.4 Database Management

The center is responsible for the following databases

- Management of journal publications in FOM since 2008
- Research projects data of FOM academic staff since 2007
- Providing support for ethics and questionnaire database management since 2010
- Database and statistical support for the best researcher award in FOM
- Database management for abstract submission for all conferences
- Database management of online registration system for all events
- Database management of e- certificates for the events supported by CRC

4.5 Promotion Committee

CRC is responsible for the technical procedures of the promotion of academic staff in FOM.

ANIMAL RESOURCES CENTRE SERVICES

5.1 Introduction

In any institution that is striving hard to excel in scientific research and teaching, a state-of-the-art animal resources center (ARC) is a *sine qua non*. Our ancestors realized the importance of an ARC decades ago and established it to achieve excellence in education. That paved the way for the inception of the current Kuwait ARC, which to its founding idea, lived its purpose. The ARC is now central to the progress in scientific research at the Health Sciences Center (HSC). The ARC provides high-quality animal models for research and teaching-related experiments. The animals are supplied free of charge to all researchers provided they justify the use of animal models in their research experiments. The animal facility has grown from strength to strength and emerged as a major stakeholder in research output from the HSC, especially from the basic science departments. The center has come a long way regarding the infrastructure up gradation, quality control of animals, the number of breeding colonies and applying internationally approved ethical guidelines in conducting animal experiments. The Kuwait University entirely funds the ARC, and the administrative control of the Center is commanded by the Dean of Faculty of Medicine and the Vice Dean for Research & Postgraduate Studies as the Chairperson. However, the Director of the ARC is responsible for day-to-day administration of the ARC who directly reports to the Vice Dean.

The ARC is located on the lower ground floor of the new HSC building. It occupies a vast area of about 54,000 square feet, which is divided into four units. The first unit houses the animal surgery theaters, administrative offices, laboratories and food storage facility. The second unit is mainly meant for animal breeding. The third unit houses experimental animals shared by all researchers. The fourth unit houses the large animal pens, technician rooms, laboratories and bedding material storage area. The ARC is maintained under controlled temperature, humidity, and dark and light cycles.

The ARC maintains three different strains of mice and rats, and a strain each of guinea pig, rabbit, and hamster. About 7000 to 8000 animals are housed in the ARC on a regular basis. These animals belong to breeding colonies, stock, and experimental groups. Over 6,000 animals, mostly rodents, are used every year by the researchers and graduate students in more than 80 research projects. The ARC intends to replace the breeding colonies of all animal species from time to time, and that the faculty members are free to suggest any other disease models, which may be brought to the ARC.

The ARC, as a part of its mission and inspired by its very idea of excellence in research and teaching, contributes to education, provides training in laboratory animal handling and management to new faculty members, technical staff and students at the four faculties. Also, the ARC offers support services to Faculty of Science, Department of Psychology, Center for Islamic Medicine, and Kuwait Institute for Scientific Research, and Authority of Agriculture and Animal Resources. The ARC, in the past, also provided intellectual and technical support to the animal facility at the Dasman Diabetic Institute. All animal handling and procedures are carried out as per standard operating procedures and good laboratory practice. The ARC keeps the records of day-to-day activities such as details of animal breeding, maintenance, and animal distribution to all researchers.

Feeds and water are provided *ad libitum* to all animals unless the experiments warrant otherwise. The ARC is always under surveillance to monitor and control the entry and exit of anybody who visits the facility. Routine rounds are conducted by all technicians and periodically by the

Director to maintain lofty standards of ethics and cleanliness in the ARC. From time to time, all researchers/students/technicians are reminded of the rules and regulations laid down in the Handbook for the Use of Laboratory Animals at the Health Sciences Centre, Kuwait University.

5.2 Mission and Objectives

The primary objectives of the ARC are:

- To minimize problems associated with animal research, but to ensure that at the same time all regulations are strictly followed
- To train the researchers, students, and technicians in animal handling and experiments, and to provide necessary information about the animals
- To provide excellent quality animals for research and teaching-related experiments

5.3 The facility

The ARC facility is subdivided into the following sections:

- Animal breeding and stock rooms
- Experimental rooms
- Animal surgery theaters
- Laboratory facilities and preparation rooms
- Cage and rack washing unit
- Autoclave and sterilization unit
- Cage storage units
- Feeds and bedding stores
- Administration and Technicians rooms

At present, four rooms have been converted into special pathogen-free rooms although they are not fully functional.

5.4 Administration of the ARC

- | | |
|-------------------------------|--|
| 1. Prof. Raja'a Al-Attiah | Vice Dean for Research & Postgraduate Studies
Chair, ARC |
| 2. Prof. Narayana Kilarkaje | Director, ARC |
| 3. Mr. Sunny A. Ojoko | Chief Technician (Laboratory Animal Management & Technology) |
| 4. Dr. Severino A. Gabato Jr. | Chief Technician (Veterinarian) |
| 5. Mrs. Ola Zahran | Senior Technician |
| 6. Mrs. Mini Varghese | Laboratory Engineer |
| 7. Mr. Binil George Abraham | Technician |
| 8. Mr. Hector S. Velasco | Technician |
| 9. Ms. Azza Mahmoud. | Technician |
| 10. Mr. Assiz Eduardo Dias | Equipment Technician |
| 11. Mr. Abdulsalam Abdulrafee | Animal/ Office Assistant |
| 12. Mr. Shaik Karimulla | Office Assistant |

5.5 Animal Ethics Committee (AEC)

All animal experiments are closely monitored by the Animal Ethics Committee chaired by the Vice-Dean for Research & Postgraduate Studies at the Faculty of Medicine.

The members of the committee are:

1. Prof. Raja'a Al-Attiyah	Chairperson (Vice-Dean for Research and Postgraduate Studies, Faculty of Medicine)
2. Prof. Narayana Kilarkaje	Director ARC
3. Prof. Mabayoje A. Oriowo	Member
4. Dr. Hanady Amoudy	Member
5. Dr. Aishah Al-Jarallah	Member
6. Dr. Altaf Al-Romaiyan	Member – Faculty of Pharmacy
7. Dr. Ala'a Al-Mousawi	Member – Faculty of Dentistry
8. Dr. Anwar Al-Banaw	Member – Faculty of Allied Health Sciences
9. Mr. Sunday A. Ojoko	Secretary

The AEC is responsible for the following duties:

1. To ensure that the animal experiments are conducted in accordance with the guidelines of the AEC. The AEC will advise and, if necessary, will make necessary arrangement to train the researchers to use animal models in research.
2. To protect the rights of investigators and to support legitimate procedures necessary for animal experiments. The committee will also ensure that there is always acceptable justification for the use of animals in proposed experiments.
3. To prevent possible negligence by the investigators/researchers/technicians or any other personnel of standard ethical guidelines during the conduct of experiments.
4. To ensure rational and/or judicious use of laboratory animals; controlling unnecessary or overuse of the animals in experiments and/or teaching.
5. To conduct regular workshops in laboratory animal handling and management for those researchers/technicians/research assistants/or any other personnel interested in animal research. The workshop will be conducted at the ARC, whenever needed. The attendees will be awarded a certificate each denoting competence in animal handling. If in case, anyone needs further advanced training, which can also be arranged. The personnel without the mandatory training in animal handling will not be permitted to handle laboratory animals.
6. To ensure that all application forms for procurement of laboratory animals, the number of animals needed, and techniques and management procedures that will be used in the experiment/s are strictly followed by all researchers.
7. Further, the AEC will meet regularly to scrutinize the applications submitted for the approval.

5.6 Management of animal experiments at the ARC

The number of researchers and postgraduate students using the ARC facility is increasing by the passing year, which is a good indicator of research progress at the HSC. Currently, an important advantage is that the experimental animals, animal maintenance including feeds and bedding and cages are supplied free of cost to all researchers.

At present, the ARC follows all regulations stipulated in Handbook of Guidelines for Animal Experimentation. Accordingly, all researchers are required to submit the animal request forms indicating necessary details of experiments. There are different application forms for funded and unfunded research projects and the preliminary studies. Although, there is a form for submitting request for animals for unfunded research projects, as a policy, recently, the ARC discontinued giving animals to unfunded projects. However, if the ARC has extra animals, still it gives the animals for unfunded research. Only the faculty members can submit the forms. The ARC does not entertain any forms submitted by the personnel other than the faculty members. The forms should contain details such as the strain, number of animals, required species, age, or weight range, sex, and date on which the animals are required, and full contact details of the applicants. Further, sufficient details regarding the experiments and techniques carried out in the animals should be mentioned in the forms.

Each ARC staff supervises 3-4 experimental rooms in liaison with the technicians or principal investigators. The purpose of this arrangement is to maintain the cleanliness in the animal rooms. This method is working well as the accountability for both good and bad works is fixed, and thus far, there are no new cases of violation of ARC rules.

As per the guidelines indicated in the handbook, the ARC personnel in consultation with the Director and, if necessary with the Vice-Dean for Research & Postgraduate Studies, ensures the following necessities in addition to all other guidelines stipulated in the handbook.

- To ensure that the researchers and the technical staff comply with the standard guidelines for animal experimentation stipulated by the International Council of Laboratory Animals Sciences and Good Laboratory Practices, during experiments.
- To conduct training workshops to all researchers and technical staff in laboratory animal research.
- To ensure that all researchers follow the necessary ethical requirements during research or animal handling. The ARC personnel can bring to the notice of the Administration of any violation of animal ethics by the researchers, the technicians and the students.

5.7 Acquisition of materials or instruments

It is always a challenging job to procure materials or other necessary items needed for the ARC. As the researchers, students and technicians from all four faculties of the HSC use the ARC facility, a lot of consumables are required to meet their demands. Thus, the ARC administration is always racing against time and venturing an uphill task for getting these items. In the future, buying necessary consumables and other items needs to be streamlined and should be made simple. Often, the ARC is faced with huge challenges in procuring animal feed and bedding

materials, and the lack of these consumables hampers the progress of the ARC and impedes research work at the HSC.

We have already requested the Administration to provide the following.

1. **Conventional cages:** There is always a shortage of animal cages, especially rat cages as many researchers use rat as the preferred experimental model. Type 3 cages are mostly in demand, and this size is equally used in the stock units of our rat strains.
2. **CCTV cameras:** Recently, the personnel from a local company inspected the ARC to plan for installing surveillance cameras.
3. **Workforce:** For many years, the ARC administration, current or the previous, has requested for the appointment of new technicians/assistant technicians. Recently, however, the ARC received one grade and an assistant technician was appointed. In the near future, the ARC will suddenly wake up to a new reality of a shortage of technicians as some may retire or decide to leave.

5.8 New addition to the facilities at the ARC

1. **Cold rooms:** Recently, the ARC received a new facility of two cold rooms. The ARC was waiting for the cold rooms for long time. Now that the cold rooms have been built, the storage problems faced for many years may be over.
2. **Food and bedding storage shelves:** The ARC also received the storage shelves recently.

5.9 Urgently needed equipment for the ARC

The ARC needs a new cage washer and a cage-rack washer as soon as possible. These machines are expensive, but they are needed to wash cages and sterilize them in a massive scale.

5.10 Problems faced by the ARC in the academic year 2018-19

The ARC had to stop breeding and supplying animals to all researchers during early part of the year 2018. The reason for this disaster was the lack of food and bedding materials. In 2017, the ARC requested the Administration at the Faculty of Medicine to submit purchase requests to buy the food and bedding materials to the University Administration. Despite our as well as that of the Faculty of Medicine's request, the University Administration did not approve the purchase request. As the ARC did not get food and bedding materials, the Administration of the Faculty of Medicine had to stop breeding and supply of animals to all researchers. The ARC struggled the way through to maintain the bare minimum breeding animals to keep the ARC alive. This task was a Herculean as saving so many precious breeding colonies was almost impossible. Finally, with all the hard work, the ARC received food and bedding materials. This unnecessary delay for no understandable reasons impaired the functioning of the ARC and affected so many researchers. More importantly, graduate students and the principal investigators of several research projects had to bear the brunt as their research had deadlines to meet. The ARC believes that such incidents would not happen in the future.

5.11 Training for Experimental Animal Handling and Management

The ARC provides training in laboratory animal handling and techniques. The training is mandatory to all users of laboratory animals for research at the Health Sciences. The ARC conducts annual training programs for new staff or in some cases specialized training for students. The training covers a wide range of laboratory animal handling, technique and ethics of use of Laboratory animals

Guidelines for laboratory animal handling and training workshop

1. Introduction to the various units within the ARC

- a) Animal rooms, breeding, stock and experimental animals
- b) Laboratory and general facility
- c) Theatre for big and small animals
- d) Storage facility
- e) Cage washing and sterilization units

2. Request for Animals

- a) Ethical issues related to use of laboratory animals in research
- b) Types of requisition forms and submission to ARC administration
- c) Accommodation of animals
- d) Responsibility of Principal Investigators of research projects in use of experimental animals
- e) Animal importation to Kuwait

3. Working practices in the ARC

- a) Use of appropriate cages for each species
- b) Recognition of wellbeing of laboratory animals
- c) Labeling
- d) Feeds and water
- e) Use of laboratory animals

4. Handling, inoculation (including oral dosing) and specimen collection techniques following animals

- a) Rat
- b) Hamsters
- c) Guinea Pig
- d) Rabbits
- e) Mice

5. Disposal of laboratory animals

- a) Euthanasia
- b) Methods of disposal of animal waste
- c) Disposal of consumable in the Animal facility

5.12 Workshops conducted at the ARC

The First Advanced Urology Laparoscopy practical session was hosted at the ARC. The large animal theatres were used for the training. A total of five sheep were used in the practice.

Advanced Urology Laparoscopic and Robotic Workshop

The Kuwait Urological Association in collaboration with Arab School of Urology conducted the first Kuwait Advanced Urology Laparoscopic and Robotic workshop in the Large Animal Theatre of the Animal Resources Center on Thursday May 3 2018. The workshop was very successful.

5.13 Visitors to the ARC

The ARC received some visitors in this academic year. All visitors indicated below were given a tour of the ARC and have been demonstrated some animal experimental procedures.

1. New English School Kuwait on Monday, February 19 2018
2. New English School Kuwait on Tuesday, February 20 2018
3. Raodah Bilingual Secondary Wednesday, October 31 2018
4. Future Bilingual School for Girls American Curriculum Thursday, November 1 2018

5.14 Animal breeding

All animal colonies are physically separated in their designated units. Breeding is arranged according to requisition from the Departments and Researchers.

Close colony Strains available in the A.R.C.

A. Rat Colonies

- Sprague-Dawley (SD)
- Hooded
- Spontaneously Hypertensive Rats (SHR)
- SHR Stroke-Prone Rats
- Wistar
- WKY
- Dark Agouti

B. Mice Colonies

- db/db
- BALB/c

C. Guinea- pig colony

- Dunkin Hartley strain

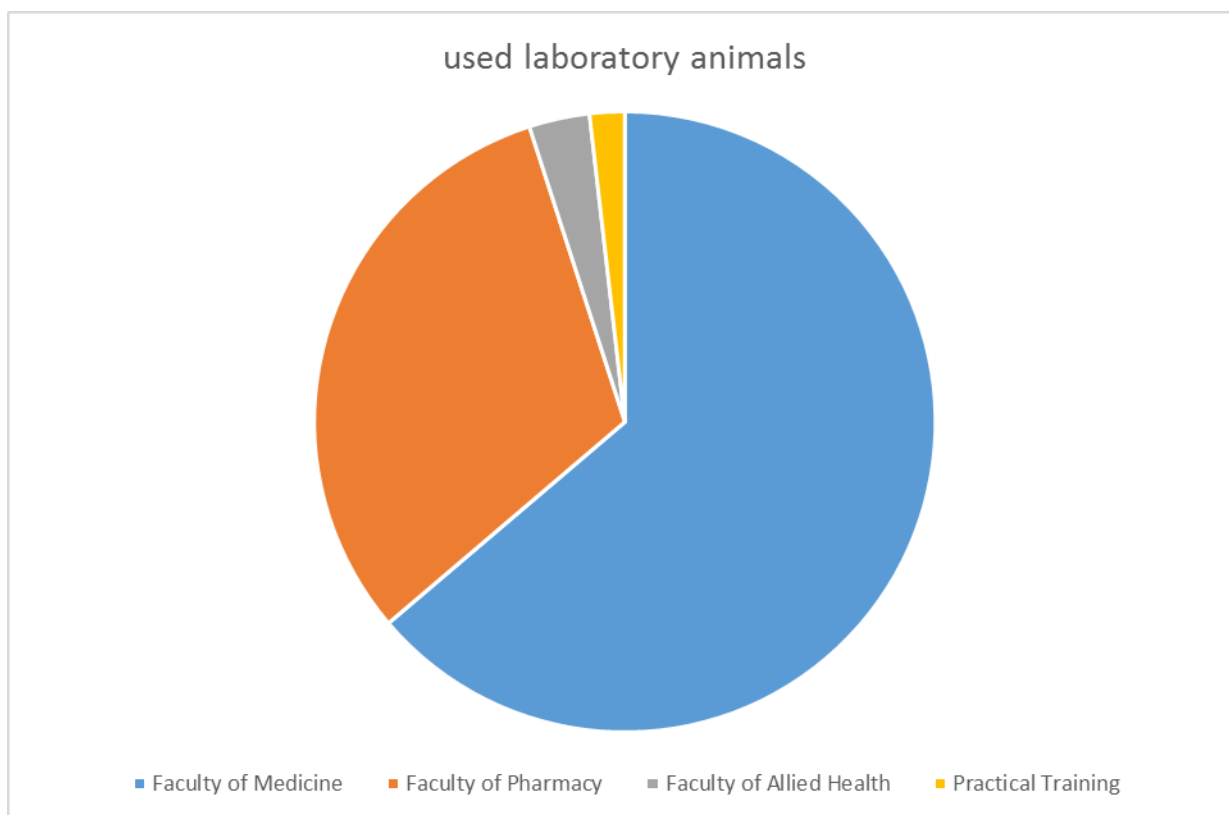
- D. Hamster Colony**
- Syrian Hamster

- E. Rabbits colony**
- New Zealand

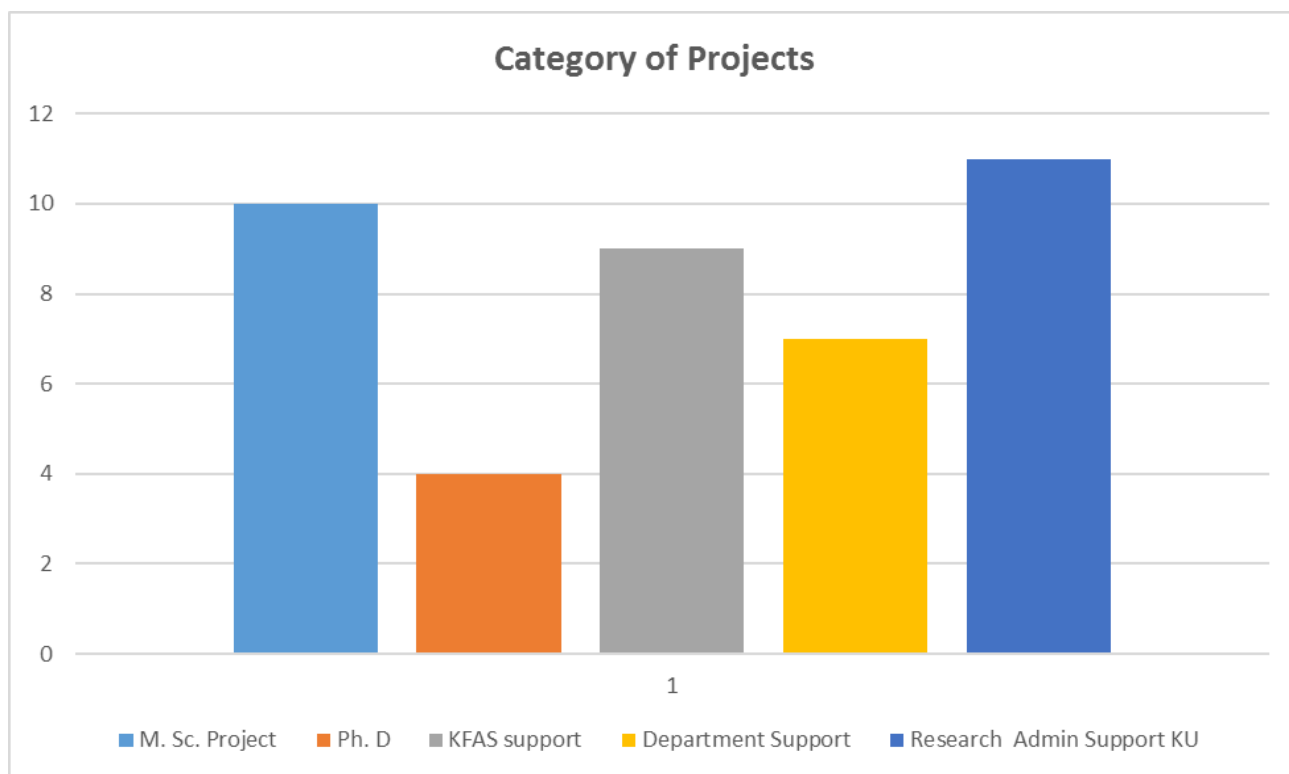
Number of Laboratory Animals given to the researchers from April 2018 – March 2019

Number of animals supplied to Faculties

Faculty of Medicine	910
Faculty of Pharmacy	446
Faculty of Allied Health	45
Practical Training	26



2018-2019 Animal Supplied and used in the ARC



5.15 Conclusion

Despite numerous hurdles, the ARC was able to support research at the Health Sciences Center during the current academic year by providing animals and facilities to maintain them. The ARC supported 96 research projects this academic year. All members of staff at the ARC have contributed to this impressive achievement. The ARC thankfully acknowledges the support, and continued guidance of the Dean of Faculty of Medicine, and all Deans of other Faculties, Vice-Deans and other Administrators, the Finance, Maintenance, and Stores Departments. The Office of the Vice- President of HSC has been very supportive. Finally, we also thank the researchers, students and technicians using the ARC facilities.

6. ELECTRON MICROSCOPE UNIT SERVICES

6.1 INTRODUCTION

The EMU was established in 1982 with the inauguration of the new FOM campus. The unit has two transmission electron microscopes (TEM) and one scanning electron microscope (SEM) in addition to support equipment. The unit is housed in level G of main building of the Faculty of Medicine. A process to renew all electron microscope equipment has yet to fall into place. If such a process is completed, the EMU has the potential to provide the highest quality of EM service to the faculty. The main intention of providing EM services is to support basic science and clinical research at various levels in the Health Sciences Center. This covers undergraduate, graduate, PhD and academic staff research. Furthermore, the unit provides support to diagnostic services to the Ministry of Health in areas that include renal, muscular, storage and ciliary genetic disorders. An academic staff head of unit and two experienced EM technologists, providing reliable technical support, assist in daily operations at the Unit. The EMU staff can train members of the faculty interested in examination of their samples.

6.2 THE MAJOR OBJECTIVES OF THE EMU

1. To provide modern, up-to-date EM facilities to academic staff and their students to support basic and medical research, education and clinical diagnostic service.
2. Train academic staff on utilization and incorporation of TEM and SEM analysis in research work.
3. Train technical staff on operation of EM equipment and tissue preparation methods for EM scanning.
4. Awaiting replacement of old EM equipment in the unit while continuing to maintain and service the old EM equipment so as to keep them in operational status as far as possible.
5. Once new equipment is installed, to enhance utilization of EMU services by various academic departments for staff and postgraduate student research.

Staff:

Faculty Members:

Head of Unit: Professor Olusegun A. Mojiminiyi. M.B.B. S; D.Phil; F.R.C.Path;
EuSpLM; FAACC.
Professor & Chairman, Department of Pathology.
Head of Clinical Biochemistry, Mubarak Hospital.

Technical Staff:

1. Jessy Rachel Mathew, B.Sc., M.Sc., B.Ed.
Chief Laboratory Technician.
2. Philip George Theckel, B.Sc., M.Sc., M.A.
Senior Laboratory Technician.

STAFFING CHANGES

New staff appointed

Prof. Olusegun A. Mojiminiyi has been appointed as the Director of the E.M. Unit since November 2018

Staff who left the Unit

Dr. Issam Francis's tenure as Director came to an end in October 2018.

6.3 LABORATORY ACTIVITIES DURING THE ACADEMIC YEAR 2018-2019

a) Contributions to teaching activities

1. M.Sc. Basic Laboratory Medicine-Histopathology, Course no.0570-502
2. M.Sc. in Histology, Principles and methods of Electron Microscopy, Course no.0712-535

b) Contributions to research activities

1. Ph.D. Dissertation Course no.0550697
2. Research Project course 4941/1
3. Research Project PR 1712SL/18
4. Engineering novel antimicrobials against Salmonella with synthetic biology. Project no. FB115C.
5. Study of changes in organelles in diabetic mice.

List of staff members who used the facilities at the Electron Microscope Unit:

1.	Prof. T. C. Mathew	Faculty of Allied Health
2.	Prof. Waleed Renno	Anatomy
3.	Dr. Hanaa Sadek	Anatomy
4.	Dr. Dhia Al Bader	Biological Science
5.	Dr. Huda Mahmoud	Biological Science
6.	Dr. Fawzia Abdullah	Nanoscopy Science Center

7.	Prof. Mariam Yousif	Pharmacology & Toxicology
8.	Dr. Rita Rahmeh	Kuwait Institute for Scientific Research

c) Contribution to laboratory diagnostic services

The processing, sectioning, staining and evaluation of renal/ other biopsies delivered to the Unit on a weekly basis by the Ministry Of Health resumed from February 2019 following the installation of the new CCD camera on TEM.

The following staff members have used the facilities at the EMU for clinical diagnosis:

1.	Dr. Ahmed Al Taleb	Histopathology
2.	Dr. Issam Francis	Pathology

d) Contribution to public service

Students from various secondary schools in Kuwait visited the EM unit. They were given an overview of the protocols in processing, ultramicrotomy, the basic physics involved in the working of electron microscopes and observation of samples by the staff at the Unit.

The Unit organized two Faculty Seminars/Workshops during the year:

1. Advances in Cryo-Transmission Electron Microscopy techniques and Instrumentation.
2. Electron Microscopy Solutions for Life science and Material Sciences.

More regular seminars will be planned when new equipment are installed.

Current Problems and anticipated solutions:

1. The existing EM UNIT has not been upgraded since its renovation following the liberation of Kuwait in 1991. Both TEM and SEM machines are old and out of manufacturing production. They require frequent service and spare parts are difficult to purchase. Scanning results are suboptimal and do not meet current quality requirements for research and diagnosis. Support lab equipment also need replacement.

2. With the great input and assistance from the current Vice Dean for Research, Professor Rajaa Al-Attiyah, there are plans to replace the current equipment in the unit. There are plans to purchase a new Transmission electron microscope (TEM) that will greatly improve the services provided by the Unit.
3. Utilization of EM services has been very limited in the faculty. With more than 5000 publications annually worldwide utilizing TEM and SEM, our college has produced a limited number of publications that use EM as part of their studies. Purchase of a new TEM will correct this situation.
4. Academic staff should be encouraged to incorporate EM in basic research including supervised MSc and PhD research.

6.4 CURRENT DEVELOPMENTS:

The Unit installed a new CCD camera (MegaviewG3, EMSIS) for the TEM. This camera has greatly improved the quality of the EM images and has already spurred renewed interests in the activities of the unit. The unit renewed its annual request to maintain and service the existing EM equipment to maintain functionality at a basic level. Both TEM and SEM are operational and have been used by some staff. The status of both machines is under continuous surveillance but interruptions due to technical failure are to be expected. A request for the new SEM has been submitted in 2018. The Unit is hopeful that plans for newer machines will come to fruition sooner.

Conclusion

The EM Unit is currently functioning in a very limited capacity with expected interruptions during the current and next year, unless the old equipment is replaced. If a new TEM is purchased and installed, the Unit looks forward to playing significant roles in the major applications of TEM listed below.

Major applications of TEM in basic and clinical research include:

- 3D tissue imaging
- Biological production and viral load monitoring
- Cryobiology
- Cryo-electron microscopy
- Diagnostic electron microscopy
- Drug research
- Electron tomography
- Food science
- X-ray microanalysis
- Protein localization
- Structural biology
- Toxicology
- Virology
- Pharmaceutical QC

Applications of TEM in Medical Diagnosis:

- Renal disease
- Respiratory /ciliary disorders
- Muscle disease
- Inherited metabolic disorders
- Viral and other microbial infections
- Oncology

The Unit also plans to conduct regular seminars and training workshops. The Unit looks forward with hope that brighter days are ahead for the EM Unit.

7. Research Core Facility (RCF)-OMICS research unit

Supervisors:	Prof. Raja'a Al-Attiah Prof. Yousef Garashi
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Director & PI:	Prof. Waleed Shuaib until December 2018 Prof. Moussa Alkhalaf since January 2019
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Introduction

The Genomics, Proteomics and Cellomics Studies (OMICS) Research Unit, previously known as the Research Core Facility (RCF) at the Health Sciences Centre (HSC) is a specialized cutting edge technology research unit established by the Research Sector (RS), Kuwait University. The mission of the OMICSRU-RCF is to enable faculty researchers, undergraduate, graduate students and technical staff to have access to dedicated facilities to conduct state of the art research for the basic and clinical research in Genomics, Proteomics and Cell Biology and to provide training opportunities. Services at this facility are delivered by qualified and experienced staff to enable, facilitate or enhance the research mission of the university. This 2018-2019 annual report highlighted the strategic support, funding and administration of the laboratories providing research services.

Since its inception, the OMICSRU-RCF has been highly successful and productive and impacted on the research output generation related to the intended areas, as evident from a large number of full-length research publications (n = 232 till date). RCF has been providing access and training support to a total of 73 research projects (40 PI's projects, 33 student projects) yielded 21 research papers, 8 in Q1 journals were published in peer-reviewed journals and 30 abstracts submitted and participated in national and international conferences. At present, there are 40 ongoing PI's projects, 32 MSc and one PhD projects (faculties and institutions from HSC, Science, KCC, KISR) during the current report period of 2018-2019.

Besides this, to promote and establish sustainable research culture at HSC, the staff at OMICSRU regularly engaged in conducting training sessions, workshops and seminars for HSC community (faculty members, students and technical staff). In addition, OMICSRU-RCF staff has been engaged in training and teaching research methodologies to undergraduate and graduate students as well as in helping students conduct research experiments towards the fulfillment of the undergraduate course work, graduate research theses for master's (MSc) and doctoral (PhD) dissertations. A dedicated internet site has been created and details of all the equipment available at OMICSRU-RCF can be accessed by logging on to this site: <http://www.hsc.edu.kw/rcf>.

A brief summary of these activities for the year 2018-2019 is given below:

In the year 2018-2019, 37 equipment at OMICSRU-RCF were utilized by staff/researchers of 17 departments from 5 Faculties/Research Institutions in Kuwait. A total of 639 requests for 17,553 samples were analyzed. In addition to being used heavily by members of the five Faculties of HSC (Medicine, Dentistry, Pharmacy, Allied Health Sciences and Public Health), the OMICSRU-RCF was also utilized by researchers belonging to two non-HSC Faculties of Kuwait University (Faculties of Science and Life Sciences), Kuwait Institute for Scientific Research (KISR).

Furthermore, OMICSRU-RCF has been an important resource to infuse innovative research culture in undergraduate (BMed, BMBCh and BPharm) and graduate students (MSc and PhD) of HSC. During the present report period, a total of 3 undergraduates, 41 MSc and 1 PhD students were trained for their research and course work in advanced molecular diagnostics using specialized equipment and techniques available at the OMICSRU-RCF. In addition, a total of 4 seminars / 3 workshops/were conducted to update about the availability of new equipment to the students and staff at HSC and enable them to use for their research. To further enhance the awareness about equipment available in OMICSRU-RCF, 6 equipment-related e-mails were sent to all academic, research staff and students at HSC and researchers of other institutions. The OMICSRU-RCF endures in helping researchers and students and continues to deal with different activities.

Our facility had given tours to internal and external researchers and academicians from Kuwait University, HSC Academic staff, Faculty of Pharmacy, & Medicine, Kuwait University and explained on our available state of art facility and research activities. Below are the listed visitors to OMICSRU during 2018-2019, apart from Kuwait University.

1. The Technical Architecture team from Sabha Al Salem University, Shadadiya, Kuwait
2. Director of Medical Research Center, College of Medicine & Health Sciences & SQU Hospital, Oman
3. Academic staff, Department of Immunology, Genetic and Pathology, Uppsala University, Uppsala, Sweden
4. Scientist, Cliniques St. Luc, Universite Catholique de Louvain, Brussels, Belgium
5. Director of the Centre for AIDS program of Research at the University of KwaZulu-Natal, South Africa

During the financial year 2018-2019 under GM01/15 project, RS has supported and provided OMICSRU some of the approved equipment. Such as Multimode microplate reader, Ultra Centrifuge, Quant Studio 7 Flex (Real Time PCR), Lab Refrigerator and Automatic Defrost Laboratory Freezer.

Installation & validation process has been completed on all the received equipment. Open seminars, workshops & training was conducted to all the HSC and OMICSRU-RCF staff on the standard operation protocol such as setting up an experiment, data analysis and maintenance.

Since its inception, the Research Sector has generously and consistently supported the OMICSRU-RCF by providing funds through, SRUL02/13 and GM01/15 for manpower, consumables, accessories, purchase of new equipment and the maintenance for the existing equipment. Under manpower in the year 2018-2019, there are 14 permanent staff at OMICSRU-RCF (3 Research Associates, 1 Senior Research Assistant, 9 Research Assistants, and 1 Research Technician) and 2 secondment staff.

In conclusion, the OMICSRU-RCF offers extensive support for research and innovation, provides faculty, individual PI's, staff, scientists, undergraduate and graduate students with access to not only the latest instrumentation, but also to experienced & expert staff, fostering research skills, new technology, training & education in genomics, proteomics and cellomics studies. The goal of OMICSRU-RCF is to provide assistance, support, information and analysis of the data. Individual consultation services are also provided to discuss the methodologies specific to their projects. These integrated approaches aided in generating the research publications in peer-reviewed, high-impact journals, abstracts and poster presentations in national and international conferences. Therefore, in order to be internationally competitive, the facilities at OMICSRU-RCF should be of the highest standard, available to the end users without any interruption and continuously need to be upgraded. Hence, the approval of the financial support to OMICSRU-RCF for 2018-19, through SRUL02/13 and GM01/15, with the requested running cost which includes new equipment, maintenance for existing equipment and manpower budget is essential. The un-interrupted financial support for the OMICSRU-RCF through SRUL02/13 and GM01/15 from the Research Sector of Kuwait University is gratefully acknowledged.

OMICSRU-RCF Utilization

From 1st April, 2018 to 31st March 2019

Number of researchers:	- 47
Number of projects	- Ongoing 73
Number of requests	- 639
Number of samples	- 17,553
Number of MSc students	- 41
Number of PhD students	- 3
Number of undergraduates	- 3

Faculty	Number of requests
Allied Health Sciences, HSC	38
Medicine, HSC	366
Dentistry, HSC	3
Pharmacy, HSC	222
Science, KU	10
TOTAL	639

Publications & Abstracts (2018- 2019):

A total of 21 publications, 8 in Q1 journals (38.1%)

1. Abul M, Al-Bader MD, Mouihate A. Exposure to synthetic glucocorticoids during pregnancy alters the expression of p73 gene variants in fetal brains in a sex-specific manner. *Brain Res.* 2018 Nov 23. pii: S0006-8993(18)30596-1. doi: 10.1016/j.brainres.2018.11.030. **Q 2, IF = 3.125.**
2. Al-Hussaini H, Kilarkaje N. Effects of trans-resveratrol on type 1 diabetes-induced inhibition of retinoic acid metabolism pathway in retinal pigment epithelium of Dark Agouti rats. *Eur J Pharmacol.* 2018 Sep 5; 834:142-151 **Q 2, IF = 3.040.**
3. Al-Sarraf H, Malatiali S, Al-Awadi M, Redzic Z. Effects of erythropoietin on astrocytes and brain endothelial cells in primary culture during anoxia depend on simultaneous signaling by other cytokines and on duration of anoxia. *Neurochem Int.* 2018 Feb; 113:34-45. doi: 10.1016/j.neuint.2017.11.014. Epub 2017 Nov 24.
Q 2, IF = 3.603.
4. Babiker F, Al-Kouh A, Kilarkaje N. Lead exposure induces oxidative stress, apoptosis, and attenuates protection of cardiac myocytes against ischemia-reperfusion injury. *Drug ChemToxicol.* 2018 Feb, 5:1-10. **Q3, IF= 1.732.**
5. Behbehani JM, Irshad M, Shreaz S, Karched M. Synergistic effects of tea polyphenol epigallocatechin 3-O-gallate and azole drugs against oral *Candida* isolates. *J Mycol Med.* 2019

Feb 20. pii: S1156-5233(18)30294-4. doi10.1016/j.mycmed.2019.01.011. [Epub ahead of print] Effects PMID:30659824 **Q 2, IF = 2.799.**

6. El-Hashim AZ, Mathews S, Al-Shamlan F. Central adenosine A (1) receptors inhibit cough via suppression of excitatory glutamatergic and tachykininergic neurotransmission. *Br J Pharmacol.* 2018 Aug;175(15):3162-3174. **Q1, IF= 5.468.**

7. El-Reshaid K, Al-Bader S. Hypercalcemic crisis as a prodromal feature of *Pneumocystis jirovecii* pneumonia. *Saudi J Kidney Dis Transpl.* 2018 Jul-Aug;29(4):993-996 **Q3, IF= 0.28.**

8. Hanif SNM, Mustafa AS. Humoral immune responses in mice immunized with region of difference DNA vaccine constructs of pUMVC6 and pUMVC7. *Int J Mycobacteriol.* 2017 Jul-Sep;6(3):281-288. **Q3, IF= 0.40.**

9. Heba Al-Hussaini, Narayana Kilarkaje. Trans-resveratrol mitigates type 1 diabetes-induced oxidative DNA damage and accumulation of advanced glycation end products in glomeruli and tubules of rat kidneys. *Toxicol Appl Pharmacol.* 2018 Jan 15; 339:97-109. **Q1, IF= 3.791.**

10. Hussain AM, Renno WM, Sadek HL, Kayali NM, Al-Salem A, Rao MS, Khan KM. Monoamine Oxidase-B inhibitor protects degenerating spinal neurons, enhances nerve regeneration and functional recovery in sciatic nerve crush injury model. *Neuropharmacology* Volume 128, January 2018, Pages 231-243. **Q1, IF = 5.012.**

11. Kilarkaje N, Al-Hussaini H. Type 1 diabetes upregulates metastasis-associated protein 1-phosphorylated histone 2AX signaling in the testis. *Eur J Pharmacol.* 2019 Mar 5; 846:30-37. doi: 10.1016/j.ejphar.2019.01.019. Epub 2019 Jan 16. **Q 2, IF = 3.040.**

12. Madi N, Al-Nakib W, Mustafa AS, Habibi N. Metagenomic analysis of viral diversity in respiratory samples from patients with respiratory tract infections in Kuwait. *J Med Virol.* 2018 Mar;90(3):412-420. **Q3, IF= 1.857.**

13. Nasser K, Mustafa AS, Khan MW, Purohit P, Al-Obaid I, Dhar R, Al-Fouzan W. Draft Genome Sequences of Six Multidrug-Resistant Clinical Strains of *Acinetobacter baumannii*, Isolated at Two Major Hospitals in Kuwait. *Genome Announc.* 2018 Apr 19;6(16). **Q3, IF= 1.18.**

14. Rahman A, Khan KM, Rao MS. Exposure to low level of lead during preweaning period increases metallothionein-3 expression and dysregulates divalent cation levels in the brain of young rats. *Neurotoxicology*. 2018 Mar; 65:135-143. **Q2, IF= 3.557.**

15. Rahman A, Rao MS, Khan KM.J. Intraventricular infusion of quinolinic acid impairs spatial learning and memory in young rats: a novel mechanism of lead-induced neurotoxicity. *Neuroinflammation*. 2018 Sep 14;15(1):263. Q3, IF= 5.763.

16. Samy ZA, Al-Abdullah L, Turcani M, Craik J, Redzic Z. Rat astrocytes during anoxia: Secretome profile of cytokines and chemokines. *Brain Behav*. 2018 Jul;8(7): e01013. doi: 10.1002/brb3.1013. Epub 2018 Jun 4. Q3, IF= 2.219.

17. Tovmasyan A, Bueno-Janice JC, Jaramillo MC, Sampaio RS, Reboucas JS, Kyui N, Benov L, Deng B, Huang TT, Tome ME, Spasojevic I, Batinic-Haberle I. Radiation-Mediated Tumor Growth Inhibition Is Significantly Enhanced with Redox-Active Compounds That Cycle with Ascorbate. *Antioxid Redox Signal*. 2018 Nov 1;29(13):1196-1214. Q1, IF= 7.389.

18. Ali H, Al-Mulla F, Hussain N, Naim M, Asbeutah AM, AlSahow A, Abu-Farha M, Abubaker J, Al Madhoun A, Ahmad S, Harris PC PKD1 Duplicated regions limit clinical Utility of Whole Exome Sequencing for Genetic Diagnosis of Autosomal Dominant Polycystic Kidney Disease.. *Sci Rep*. 2019 Mar 11;9(1):4141. Q1, IF= 4.122

19. Ameen R, Shemmari SA, Askar M. Next-generation sequencing characterization of HLA in multi-generation families of Kuwaiti descent. *Hum Immunol*. 2018 Mar;79(3):137-142. Q1, IF= 4.078

20. Asadzadeh M, Ahmad S, Al-Sweih N, Hagen F, Meis JF, Khan Z. High-resolution fingerprinting of *Candida parapsilosis* isolates suggests persistence and transmission of infections among neonatal intensive care unit patients in Kuwait. *Sci Rep*. 2019 Feb 4;9(1):1340. Q1, IF= 4.122

21. Nizam R, Al-Ozairi E, Goodson JM, Melhem M, Davidsson L, Alkhandari H, Al Madhoun A, Shamsah S, Qaddoumi M, Alghanim G, Alhasawi N, Abu-Farha M, Abubaker J, Shi P, Hartman ML, Tavares M, Bitar M, Ali H, Arefanian H, Devarajan S, Al-Refaei F, Alsmadi O, Tuomilehto J, Al-Mulla F. Corrigendum: Caveolin-1 Variant Is Associated With the Metabolic Syndrome in Kuwaiti Children. *Front Genet*. 2019 Mar 20; 10:221. Q1, IF= 3.789

ABSTRACTS 2018-2019

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11. AlRabeea A, Luqmani Y, Khajah M: Extracellular Vesicles as Modifiers of Phenotypic Behavior of Co-Cultured Recipient Breast Cells. Health Science Centre Poster Conference, 23: P121:2018.
12. Jahanbani I, Al-abdallah A, Mehdawi H, Ali R, Al-Brahim N, Pinto K, Raza M, Mojiminiyi OS: The Biological Function of miR-7 in Thyroid Tumorigenesis. Health Science Centre Poster Conference, 23: P122:2018.
13. Khajah AM, Mathew PM, Luqmani YA: Invasive capacity of endocrine resistant breast cancer cells is enhanced by Na⁺/K⁺ ATPase activity by increased phosphorylation of its downstream signaling molecules. Health Science Centre Poster Conference, 23: P124:2018.
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2 Diabetes on Hippocampal Neuroinflammation and Synaptic Integrity: Implications for Alzheimer's Disease. Health Science Centre Poster Conference, 24: P3:2019.

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21. Khashab F, Al-Maghrebi M, Patillath S: Deciding on the life and Death of Germ Cells by the DNA Damage Response (DDR) Signalling Pathways. Health Science Centre Poster Conference, 24: P11:2019.

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25. Al-Kandari N, Pattilath S, Al-Maghrebi M: Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/TXNIP /JNK signaling pathway. Health Science Centre Poster Conference, 24: P108:2019.

26. Mohammad F, Al-Maghrebi M, Pattillath S: Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/Survivin/p53 Pathway. Health Science Centre Poster Conference, 24: P109:2019.

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28. Jahanbani I, Al-Abdallah A, Mehdawi H, Ali R, Al-Brahim N, Mojiminiyi S: Contribution of elevated miR-146b-5p to papillary thyroid cancer diagnosis and development. Health Science Centre Poster Conference, 24: P127:2019.

29. Henkel AW, Al-Abdullah L, Al-Qallaf MS, Redzic ZB: Correlation and differentiation-based algorithms for cell-mobility quantification. Health Science Centre Poster Conference, 24: P151:2019.

30. Henkel AW, Mouihate A: Delayed release kinetics of FM1-43 from hippocampal synapses reveal a sequential ‘kiss-and-run’ - ‘full collapse fusion’ mechanism. Health Science Centre Poster Conference, 24: P152:2019.

MSc Thesis completed:

1. **Student Name:** Taiba A N Al-Arbeed
Title of the project: Anti apoptotic and neuroregenerative effects of soluble protein fraction of the epidermal secretion from the Arabian gulf catfish following sciatic nerve crush injury in rats
Supervisor: Prof. Waleed Renno
2. **Student Name:** Sarah Hussain
Title of the project: Classification of Glioblastomas in Kuwait
Supervisor Name: Dr. Anwar Al Banaw

PhD Thesis Completed:

1. **Student Name:** Samah Kalakh
Title of the Project: Steroids and Remyelination
Supervisor Name: Dr Mouihate Abdeslam
2. **Student Name:** Hussain Safar
Title of the Project: Immune response to major antigenic proteins of Mycobacterium tuberculosis specific regions and their role in inflammation Asthma in mice
Supervisor Name: Prof. Abu Salem Mustafa

OMICSRU-RCF Staff (Name, Qualification, Designation & Specializations):

- | | | |
|----|--|--|
| 1. | Dr. Fatma Shaban, PhD
Research Associate | Cellomics (Tissue culture, Recombinant DNA, Epitope mapping & Immunological techniques) |
| 2. | Dr. Ananthalakshmi Kethireddy,
Research Associate PhD | Genomics (Next Generation Sequencing, DNA Microarrays and fluorometric quantitation of nucleic acids and protein) |
| 3. | Dr. Sunitha Pulikkot, PhD
Research Associate | Cellomics (Confocal Microscopy, Flow Cytometry & Multiplex assays) |

- | | |
|--|--|
| 4. Ms. Faiza P. A. Rasheed, MSc
Research Assistant | Genomics (Real Time PCR, Oligonucleotide Synthesis & Sample Preparation Using Biorobots) |
| 5. Ms. Betty Teena Thomas, MSc
Research Assistant | Proteomics (Protein Purification, Fractionation Densitometric analysis of proteins & Nucleic acids & Mass Spectrometry) |
| 6. Ms. Jucy Gabriel, MSc
Research Assistant | Cellomics (Confocal Microscopy, ELISA and Western Blotting) |
| 7. Ms. Sunitha Pramod, MSc
Research Assistant | Cellomics (Fluorescence Microscopy, Cell Culture, Flow Cytometry, Live Cell Imaging & Laser Microdissection) |
| 8. Mr. Numeer Kadungathayil,
BTech, Research Technician | Genomics (Nucleic Acid Isolation and Quantitation, End Point PCR & Karyotyping) |
| 9. Mr. Riyas Sulaiman, MSc
Research Assistant | Genomics (Sanger DNA sequencing, Fragment Analysis & Mutation Detection) |
| 10. Mr. Mohd Wasif Khan, MSc
Research Assistant | Proteomics (Peptide Synthesis and Purification, Ultracentrifugation & Bioinformatics) |
| 11. Mr. Mohd Arshad Reza, MSc
Research Assistant | Cellomics (Confocal Microscopy, Flow Cytometry, Spectrophotometry & Fluorometry) |
| 12. Ms. Badarunnisa M Kandanath,
Research Assistant MSc | Genomics (Bioanalyzer, Imaging & Documentation of nucleic acids & Oligonucleotide Synthesis) |
| 13. Mr. Mohammad Amir Sheikh,
MSc, Research Assistant | Genomics (DNA extraction, PCR, Agarose gel electrophoresis, Imaging & Documentation of nucleic acids) |
| 14. Ms. Vidya Elizabeth Alexander,
MSc. Senior Research Assistant | Cellomics (Confocal Microscopy, Spectrophotometry & Imaging & Documentation of proteins) |

8. Other Services and Activities

A. Research Incentive Rewards for Funded and Unfunded Research Papers

A KD 1000/- is awarded for the PI for each research paper, considered as productivity of any research grant, published in top 25% Of the international journals with impact factors evaluated according to the Journal Citation Report in the concerned scientific field of the candidate. The reward is restricted to a maximum of two papers in one calendar year.

KD 1000/- is awarded for PI, and KD 500/- for CoI for every final report of priority research project that gets “excellent” rating. The PI gets a certificate and memento, with his/her name imprinted as well as a brief on the research findings.

Award Winners Name	Title of paper & Journal
Prof. Zia Uddin Khan	Increasing prevalence, molecular characterization and antifungal drug susceptibility of serial <i>Candida auris</i> isolates in Kuwait Published in Plos One Journal (2018). Funded Project MI 01/15.
Prof. Manuel John Albert	Cytokine responses in compylobacteriosis: Linking pathogenesis to immunity published in Cytokine and Growth Factor Reviews (2018) - Unfunded Project.
Prof. Suhail Ahmad	Development of Echinocandin for empiric therapy published in Antimicrobial Agents and Chemotherapy (2018). Unfunded project.
Prof. Sami Asfar	Anoplasty for Post-hemorrhoidectomy Low Anal Stenosis: A New Technique published in World Journal Surgery (2018). Unfunded Project.
Dr. Abeer Al-Abdallah	Discriminatory miRNAs for the Management of Papillary Thyroid Carcinoma and Noninvasive Follicular Thyroid Neoplasms with Papillary-Like Nuclear Features published in Journal of Thyroid (2018). Funded Project MG 02/13.
Dr. Ali H Ziyab	Trends in asthma hospital admissions and mortality in Kuwait, 2000-2014: a national retrospective observational study published in Journal of BMJ Open (2018). Unfunded project.

8.1 Research Incentive Rewards for Final Report

A KD 500/- is rewarded to the PI for each final report of any research grant that merits “excellent” scoring from an external referee. The reward is given for only one project per calendar year.

9. Staff Members of the Vice Dean for Research & Postgraduate Studies Office

Prof. Raja'a Al-Attiyah (Vice-Dean for Research & Postgraduate Studies)

Support Staff:

- Mrs. Alice Jacob Ninan
- Mr. Ahmad Qatanani

10. Conclusion

The VDR office continued to work diligently in order to achieve the objectives and needs of the researchers at the Faculty and to encourage more researchers to apply for funded research projects. During this academic year, efforts have been made to fulfill the needs of the researchers at the Faculty.

All achievements would not have been possible without the support of the staff members in the Faculty, and in particular staff who are serving on the different committees of the office. The VDR office will continue to support the researchers and research activities at the Faculty of Medicine in order to promote and achieve excellence in research.

ANATOMY

INTRODUCTION

The subject of human anatomy in its entirety is paramount to the medical curriculum. It is all the more important to have a well-organized facility-enriched Anatomy Department to train medical and dental graduates to make them skilled and efficient. This report encompasses a summary of departmental activities in the academic year 2018-19. The Department of Anatomy is involved in teaching gross anatomy, embryology, histology, neuroanatomy and cell biology to undergraduate and graduate students. The department also conducts several multi-faceted high-demand elective courses in a wide range of subject areas to both undergraduate and graduate students. The departmental faculty members led the way by actively participating in all teaching activities such as lectures, laboratory training, problem-based learning, seminars, tutorials and elective courses to medical and dental students and graduate students. The departmental members, both academic and non-academic, extended their service to the Faculty of Medicine and other faculties whenever and wherever needed to conduct the examinations, clinical skill laboratory training and assessment, committees, and organization of several college-level programs such as the Poster Conference, and so forth. The department also supported the teaching activities of the Faculties of Allied Health Sciences, and Pharmacy and Dentistry by making the dissection room facilities available. The members of the Department also involved in scientific research, both within the department and with other departments at the Health Sciences Center. While doing so, the Faculty members and technical staff provided both technical and intellectual support to graduate students and faculty members of other departments, which facilitated the successful completion of many research projects. The progress made by the departmental faculty members in research during the current academic year has been exemplary. In addition to their research, some faculty members also supervised undergraduate research projects. Three M.Sc., students successfully defended their theses and graduated. The department also won four awards for research. The members of the Department actively participated in the 24th HSC poster conference and presented five posters. In other national and international conferences, many papers were presented in which the faculty members were the authors. At the moment, the department has several funded research projects, including two priority research grants, in which the Faculty members are participating either as principal investigators or co-investigators. The successful completion of research projects coupled with meaningful publishable results depends upon the valuable service rendered by the technical staff and research assistants. The department admires their unstinted support and smart work and places on record their contributions to the progress of the department.

Currently, the teaching assignments are handled by the eight faculty members and seven support staff. The support staff is the backbone of laboratory teaching, and they are involved in the preparation of gross anatomy and histology laboratory sessions; they actively participate in teaching and play critical roles in conducting both written and objective structured practical examinations. The Faculty members are involved, besides being in teaching and research, in administration such as in coordinating the courses, participating in several committees at departmental or faculty levels as either members or coordinators. The faculty members research subject areas of neuroscience, diabetes, toxicological mechanisms, molecular biology, cell signaling, cell biology, and other priority research areas. They use cutting edge research techniques such as cell and tissue culture, behavioral techniques, quantitative polymerase chain reactions, microarray, blotting techniques, immunohistochemistry/immunofluorescence,

histopathological techniques, ELISA, and gene sequencing. The faculty members frequently publish research findings in Q1 journals indicating the novelty of the research done in the department.

Departmental Objectives

Our motto is to provide an excellent learning environment for students and to provide high-quality training. The specific departmental objectives are to:

- Teach and train undergraduate and graduate students in all branches of human anatomy
- Provide excellent skill-oriented practical training in gross anatomy, neuroanatomy and histology and developmental biology to all students who take course works, compulsory or elective, related to their programs
- Actively involve in faculty-controlled training programs such as problem-based learning
- Extend intellectual and infrastructure support to students, residents, and doctors and other health professionals who are interested in learning the science of anatomy
- Train undergraduate and graduate students in state-of-the-art research techniques and to facilitate them to do high-quality research in medical sciences
- Collaborate and promote interdepartmental teaching and research activities to undergraduate and graduate students
- Provide excellent leadership wherever and whenever required in teaching, research and administration

Obstacles in meeting objectives

The course of the department has never been smooth, for that it had, and still, faces numerous hurdles every day. The department must be innovative to supersede the problems if it must excel in academic parameters. In short, conducting small group teaching is essential, but it is incredibly grueling. The new dissection room is good, but it is unfairly smaller, which dampens the quality of teaching as student groups are placed in the dissection room close to one another. Dissection room teaching is cardinal for medical and dental students. The department is eagerly, but patiently, waiting for the opening of the renovated dissection room, which was completed in November 2018, but at the time of writing this report, still not opened for work. The Department has already planned the teaching method in the renovated dissection room with the focus on three critical issues: effective use of available technology, self-study by students, and facilitation by the teachers.

To carry out small group teachings such as laboratory demonstration sessions and problem-based learning sessions, it is imperative to decrease the number of students in each group. At the end of this academic year, a staff member- Dr. Iman Al-Khalik- of the Department would retire, thus further aggravating the already existing shortage of teachers. This problem also extends to technicians. To conduct proper teaching and research, the department needs highly trained competitive technicians. At present, we are facing an acute shortage of technicians, especially to maintain the dissection room. Also, the department is facing several problems in procuring chemicals and consumables for teaching and research purposes. The department is hopeful of easing these difficulties in coming years lest we fail in our academic achievements.

A vibrant graduate program is the life-line of any department. The department currently has seven MSc students at various years of training. These students are conducting experiments in various biomedical research areas. The Department is confident that they would complete their theses soon and graduate. We are looking forward to receiving a group of new M.Sc., students in the next semester. The Department is also eagerly waiting for the Ph.D., program in anatomy to be approved by the College of Graduate Studies and the University Authorities. The Department had already submitted a thoroughly researched proposal to the College of Graduate Studies after an extensive expert review from two renowned external reviewers. Given this, the Department is optimistic that the program would be approved soon and may be able to admit the first group of students. This program would set the Department in an all-new track to progress in research output and student training.

Current Developments

At present, the department is eagerly waiting for the inauguration of the renovated dissection room, which was ready in November 2018. The delay in opening of the dissection room was because of delay in getting approval from the Kuwait Environmental Agency. This facility would substantially contribute to the quality of teaching. In this academic year, like in the last year, teaching in the Dissection room has been re-organized in such a way that one faculty member each was made in-charge of each academic year, from year 2 to 4. The laboratory handouts were revised. More emphasis was given to student discipline and self-learning so that the students make full use of the time to study when they are in the dissection room. Most members also participated in teaching Phase III courses, especially in medical school day sessions. As regards the research, one new research grant application has been approved by the Kuwait University Research Sector. The department has several ongoing research grants, which are listed below. Departmental Seminar series continued during the current academic year. The faculty members and MSc students presented the seminars.

MANPOWER

MEMBERS OF THE DEPARTMENT

Faculty members

Chairman

1. Prof. Narayana Kilarkaje., M.Sc., Ph.D., FAGE, FRSB

Professors

1. Prof. Waleed M. Renno, B.Sc., Ph.D. [Gross Anatomy, Neuroanatomy, Embryology]
2. Prof. Narayana Kilarkaje., M.Sc., Ph.D., FAGE, FRSB [Gross Anatomy, Histology, Cell Biology, Embryology, Neuroanatomy, Toxicology]

Associate Professors

1. Dr. Ebtesam Abd-El-Basset, M.B., B.Ch., M.Sc., Ph.D. [Neuroscience, Histology, Gross Anatomy, Cell Biology]

2. Dr. Muddanna S. Rao, M.Sc., Ph.D., FAGE [Gross Anatomy, Neuroscience, Histology, Cell Biology, Embryology]
3. Dr. Alyaa M. A. Mousa, M.Sc., MED. Ph.D. [Neuroscience, Histology, Cell Biology, Embryology, Immunology]
4. Dr. Sampath Madhyastha, M.Sc., Ph.D., FAGE [Neuroscience, Gross Anatomy, Embryology, and Teratology,]

Assistant Professors

1. Dr. Heba Al-Hussaini, M.B., Bch, BaO (NUI), LRCPI & SI., MSc., Ph.D. [Gross Anatomy, Neuroanatomy, Retinal Biology]
2. Dr. Mohammed Al-Onaizi, B.Sc., M.Sc., Ph.D. [Neuroanatomy, Neuroscience, Human Anatomy, Cell Biology]

Teaching Assistants

1. Dr. Iman N. Abdel-Khalik, M.B., B.Ch., M.Sc.

Clinical Instructors

1. Dr. Hana Loutfy Sadek, M.B., B.Ch., M.Sc. Ph.D. [Neuroanatomy, Gross Anatomy, Histology & Embryology]

Visiting professors

Nil

External examiners

1. Prof. Rajuno Ettarh, California University of Science and Medicine

M.Sc. Students (2015 intake)

1. Ms. Munirah W A Al-Farhan
2. Ms. Nourah W A Al-Farhan
3. Ms. Rawan Al-Shahabeel

(2017 intake)

1. Dr. Ahmed Fareed Mohammed Abdullah
2. Ms. Saud Mohammed Saeed

(2018 intake)

1. Mr. Abdullah AlSabagh
2. Ms. Sara Jeri Jerwan Saleem
- 3.

SUPPORT STAFF

Research Assistants

1. Mr. Jijin Kumar, M.Sc.

Scientific Assistants

1. Dr. Anwar. R. Qureshi, MBBS
2. Dr. Beena Mary Luke, MBBS., DMRD., FAGE
3. Dr. Hala F. Waheeda, M.B., B. Ch, Dip. Med.
4. Dr. Nahed A.H. Al-Sobky, M.B., B.Ch.
5. Dr. Omnia Al-Beltagy, M.B., B.Ch.

Chief Technicians

1. Dr. Saju S. Jacob, B.V.Sc., AH
2. Ms. Amal Wagdi, B.Sc.

Senior Technicians

1. Dr. Josely George, Ph.D.
2. Ms. Sinu Joe, B. Pharm
3. Ms. Susan Varghese, B. Pharm.

Technicians

1. Ms. Preethi George, M. Pharm.
2. Ms. Smitha Sivanandan, M.Sc.

Biologist Specialist

1. Ms. Ameera S. Al-Fadhli, B.Sc.
2. Mr. Mohammed El- Badary, B.Sc.

Biological Researchers

1. Ms. Amna Abdullah Najem, B.Sc.
2. Ms. Monira Al-Mutawa, B.Sc.

Lab. Attendants

1. Mr. Khalid Mohammed Ahmed
2. Mr. William Boutrous

Secretaries

1. Ms. Keren Susan Nesty
2. Ms. Nouf M. Ahmed

STAFFING CHANGES

New staff appointed:

1. Mr. Mohammed El- Badary joined as a Biologist Specialist in March 2019.

Promotions

1. Ms. Ameera S. Al-Fadhli has been promoted to Biologist Specialist in March 2019

Staff who left the Department:

1. Prof. Khalid M. Khan, left the Department in September 2018.
2. Dr. Shadia Imbaby, left the Department in September 2018.
3. Ms. Fatemah Al-Ruwaieh, left the Department in January 2019.
4. Ms. Simranbir Kaur (Research assistant), left the Department in March 2019

Staffs on Leave:

Academic staff on sabbatical/study leave:

1. Dr. Mohammed Al-Onaizi, Assistant Professor, on study leave from November 2018 - October 2019.

TEACHING IN THE DEPARTMENT PROGRAM

I. FACULTY OF MEDICINE

a) Undergraduate teaching - Medical & Dental Students:

Lectures : 111 hours

Seminars/ Tutorials : 13 hours

Lab/ Practical : 786 hours

PBL Facilitation : 284 hours

Total contact hours : 1194 hours

GRAND TOTAL : 1194 hours

Semester - I

Total number of Contact hours for faculty members during Semester I

Discipline	Lecture hours	Lab/Practical Hours	Seminar/ Tutorial hours	PBL Facilitation	Total hours
Medical and Dental	71	413	7	93	584

Total Number of Contact hours: 584

Semester - II

Total number of Contact hours for faculty members during Semester II

Discipline	Lecture hours	Lab/Practical Hours	Seminar/ Tutorial hours	PBL Facilitation	Total hours
Medical and Dental	40	373	6	191	610

Total Number of Contact hours: 610

GRAND TOTAL: 1194 hours

Objective Structured Practical Examinations (OSPE)

The organization, invigilation and marking of OSPEs for 2nd, 3rd and 4th-year Medical and Dental students during Semesters I and II requires several days. In an academic year, the department conducts 6 OSPEs.

Course Coordinators

Name	Module
Prof. Narayana Kilarkaje	Infection & Immunology Digestive system
Prof. Waleed Renno	Musculoskeletal System
Dr. Ebtesam Abd-El-Basset Dr. Muddanna Rao	Nervous system Cardiovascular system
Dr. Sampath Madhyastha	Endocrine System
Dr. Alyaa Mousa	Foundation Block I Blood Module
Dr. Heba Al-Hussaini	Renal and Reproduction & Breast
Dr. Mohammed Al-Onaizi	Respiratory system

Coordinators for Anatomy Laboratory Teaching

Name	Year
Dr. Alyaa Mousa & Dr. Iman N. Abdel-Khalik	Year -2
Dr. Heba Al-Hussaini & Dr. Beena Mary Luke	Year -3
Dr. Sampath Madhyastha & Dr. Hana L. Sadek	Year -4

Elective Courses for the PBL Curriculum:

Phase II

1. Anatomy of the Abdomen (Prof. Waleed Renno)
2. Dissection of Human Brain (Dr. Ebtesam Abd-El-Basset)
3. Histological techniques (Dr. Ebtesam Abd-El-Basset)
4. Experimental Hippocampal Stem Cell and Slice Culture (Dr. Muddanna Rao)
5. Introduction to Tissue Culture (Dr. Alyaa Mousa)

Phase III

1. Regional Anatomy - Dissection of the Abdominal Cavity (Prof. Waleed Renno)
2. Dissection of Orbit and its contents (Dr. Heba Al-Hussaini)
3. Dissection of the back, vertebral column and spinal cord (Prof. Narayana Kilarkaje)
4. Dissection of lower limb joints - Applied Anatomy (Dr. Muddanna S. Rao)
5. Integrative Neuroscience (Dr. Mohammed A. Al-Onaizi)

6. Embryological basis of congenital anomalies (Dr. Sampath Madhyastha)

Elective – Phase II Dental Students

1. Dissection of Jaws and surrounding regions (Prof. Narayana Kilarkaje)

Medical School Day

Department faculty and staff participate in Medical School Days. Faculty conducts six sessions per semester.

b) Graduate Program Teaching (M.Sc.)

Lectures	:	137 hours
Tutorials / Seminars	:	12 hours
Practicals	:	263 hours
Total contact hours	:	412 hours

GRAND TOTAL: 412 hours

Semesters – I & II

Total number of Contact hours for faculty members during Semester I

Discipline	Lecture hours	Lab/Practical Hours	Seminar / Tutorial hours	Total hours
M.Sc.	137	263	12	412

Total Number of Contact hours: 412

GRAND TOTAL: 412 hours

Course Coordinators

Name	Course
Prof. Narayana Kilarkaje	Tissue & Organ Histology
Prof. Waleed Renno	Gross Anatomy I, Advances in Neuroscience Research, Neurobiology of pain
Dr. Ebtesam Abd-El-Basset	Introduction to Cell Biology, Neuroanatomy
Dr. Muddanna Rao	Gross Anatomy II, Behavioral Neuroscience Methods
Dr. Alyaa Mousa	Introduction to Human Development, Introduction to Tissue Culture
Dr. Heba Al-Hussaini	Microscopic Techniques

Thesis Supervision

12	Student Name	Supervisor	Co-Supervisor	Outcome
1.	Hedaya Ali Al-Dakhil	Prof. Waleed Renno (Anatomy)	Dr. Muddanna Rao (Anatomy)	Completed
2.	Taibah A N Al-Arbeed	Prof. Waleed Renno (Anatomy)	-	Completed
3.	Abdulaziz MF Shaye	Dr. Alyaa Mousa (Anatomy)	Prof. Waleed Renno (Anatomy)	Completed
4.	Munirah W A Al-Farhan	Prof. Narayana Kilarkaje (Anatomy)	Dr. Heba Al-Hussaini (Anatomy)	Ongoing (Submitted)
5.	Nourah W A Al-Farhan	Dr. Muddanna Rao (Anatomy)	-	Ongoing (Submitted)
6.	Rawan Sharhabeel Katanah	Dr. Heba Al-Hussaini (Anatomy)	Prof. Narayana Kilarkaje (Anatomy)	Ongoing (Submitted)

7.	Wafa Matar Al-Fadhli (Department of Physiology)	Dr. Maie Al-Bader (Physiology)	Prof. Narayana Kilarkaje (Anatomy)	Ongoing
8.	Mariam M. A. Awadi PhD student (Department of Physiology)	Dr. Maie Al-Bader (Physiology)	Prof. Narayana Kilarkaje (Anatomy)	Ongoing

II. OTHER FACULTIES

FACULTY OF DENTISTRY

c) Oral Science Summer Course - Dental Students:

Discipline	Lecture hours	Lab/Practical Hours	Total hours
Dental	40	28	68

Total Number of Contact hours: 68

GRAND TOTAL: 68 hours

RESEARCH AND PUBLICATIONS

Research Grants

Principal Investigators

1. Grant Number: 2013120701A

Title: *Fractionation of Lipids and Proteins from Preparations from the Skin of the Arabian Gulf Catfish (Arius Bilineatus, Val.) and studies of their Anti-inflammatory and Anti-cancer Activities (Part 1).*

Funding: Funded (External Institution Project)

Status: Ongoing

Principal Investigator: **Prof. Waleed Renno**

2. Grant Number: 2013120701B

Title: *Anti-inflammatory, anti-cancer activities in preparations from the skin of the Arabian Gulf catfish (Arius Bilineatus, Valenciennes) (Part 2).*

Funding: Funded (External Institution Project)

Status: Ongoing
Principal Investigator: **Prof. Waleed Renno**

3. **Grant Number: 2013120701C**

Title: *Composition of Steroids and Other Lipid Fractions and Proteins. Their Anti-inflammatory, Anti-cancer Activities in Preparations from the Skin of the Arabian Gulf Catfish (Arius bilineatus, Val.) (Part 3).*

Funding: Funded (External Institution Project)

Status: Ongoing

Principal Investigator: **Prof. Waleed Renno**

4. **Grant Number: RM01/12**

Title: *Molecular effects of diabetes on testis: Modulation of DNA damage repair pathways.*

Funding: Funded, Priority Research Grant

Status: Completed in August 2018

Principal Investigator: **Prof. Narayana Kilarkaje**

Co-investigators: Dr. Heba Al-Hussaini, Prof. Maie Al-Bader, Ms. Ala'a Abdelqadar, Ms. Mariam Al-Qayyan

5. **Grant Number: YM07/17**

Title: *Role of peroxisome proliferator-activated receptor - gamma (PPAR-gamma) in type 2 diabetes-induced testicular DNA damage and repair in leptin receptor deficient obese mice.*

Funding: Funded

Status: Completed in May 2019

Principal Investigator: **Prof. Narayana Kilarkaje**

Co-investigators: Dr. Heba Al-Hussaini, Ms. Muneera Al-Farhan

6. **Grant Number: MA01/14**

Title: *Mechanism of Neuron-Astrocyte Interactions and the Role of dBcAMP in Survival and Regeneration of Neurons.*

Funding: Funded

Status: Completed in March 2019

Principal Investigator: **Dr. Ebtesam Abd-El-Basset**

Co-investigator: Dr. Muddanna S. Rao

7. **Grant Number: MA01/17**

Title: *Attention deficit hyperactivity disorder: Can it be maneuvered by manipulating serotonin and adrenergic receptors?*

Funding: Funded

Status: Ongoing

Principal Investigator: **Dr. Sampath Mashyastha**

Co-investigator: Dr. Muddanna S. Rao

8. **Grant Number: RM01/16**
Title: *Alterations in Vitamin A metabolism pathways and advanced glycation end products in diabetic rat retinas: Modulatory roles of Lycopene and Resveratrol.*
Funding: Funded, Priority Research Grant
Status: Completed in March 2019
Principal investigator: **Dr. Heba Al-Hussaini**
Co-investigator: Prof. Narayana Kilarkaje
9. **Grant Number: YM04/17**
Title: *Modulatory effects of Resveratrol on diabetes-induced retinal pigment epithelial cell apoptosis and alteration in c-Jun N-terminal kinase signaling in Dark Agouti rats.*
Funding: Funded
Status: Ongoing
Principal investigator: **Dr. Heba Al-Hussaini**
Co-investigators: Prof. Narayana Kilarkaje, Ms. Rawan Kitaneh
10. **Grant Number: YM12/17**
Title: *Effects of dibutyl CAMP on hippocampal neurotrophic factors, neurogenesis, learning and memory in diabetic rats.*
Funding: Funded
Status: Ongoing
Principal Investigator: **Dr. Muddanna S. Rao**
Co-Researcher: Ms. Nourah Al-Farhan
11. **Grant Number: YM02/17**
Title: *Chronic hydrogen sulfide alters microglial activation in the spinal cord of streptozotocin-induced diabetic rats.*
Funding: Funded
Status: Completed in October 2018
Principal Investigator: **Dr. Alyaa Mousa**
Co-investigator: Prof. Waleed Renno
12. **Grant Number: SL03/14**
Title: *Characterization of the role of catfish Skin preparations as anti-inflammatory and neuroregenerative agents in crushed sciatic nerve rat model.*
Funding: Funded
Status: Ongoing
Principal Investigator: **Prof. Waleed Renno**

Co-Investigators:

13. **Grant Number: RW01/14**
Title: *Mechanism of lead-induced neurotoxicity: Role of metallothionein, protein phosphatases and quinolinic acid.*
Funding: Funded
Status: Completed
Co-investigator: **Dr. Muddanna Rao**
14. **Grant Number: YM03/17**
Title: *Notch Signaling in Intrauterine Growth Restriction in Rats: Is There a Modulatory Role for Melatonin?*
Funding: Funded
Status: Completed
Co-investigator: **Prof. Narayana Kilarkaje**
15. **Grant Number: YM11/15**
Title: *The effect of progesterone on placental nutrient transporters in dexamethasone-induced intrauterine growth restriction.*
Funding: Funded
Status: Completed
Co-investigator: **Prof. Narayana Kilarkaje**
16. **Grant Number: YP03/15**
Title: *Neurotherapeutic effects of Ginkgo Biloba extract and Ginkgolides.*
Funding: Funded
Status: Ongoing
Co-investigator: **Prof. Waleed Renno**
17. **Grant Number: MR01/13**
Title: *Characterization of polyamidoamine dendrimer-mediated modulation of EGFR/ErbB1 signaling in vitro and in vivo: The effect of dendrimer generation, surface chemistry and branching architecture.*
Funding: Funded
Status: Completed
Co-investigator: **Prof. Waleed Renno**
18. **Grant Number: KFAS -PR1713MA01**
Title: *Characterization of the effect of chronic hydrogen sulfide treatment in the corpus cavernosum of type-1 diabetic rat model*
Funding: Funded
Present status: Approved
Co-investigator: **Dr. Alyaa Mousa**

Funded Projects from Kuwait University

19. **Title:** *The association between microminerals and cognitive function in school children in Kuwait.*

Funding: Funded

Status: Ongoing

Co-investigator: **Dr. Muddanna Rao**

20. **Title:** *Synergistic neurotoxic effects of lead and Quinolinic acid in cultured embryonic hippocampal cells from rats.*

Funding: Funded

Status: Completed in September, 2018

Co-investigator: **Dr. Muddanna Rao**

Unfunded Projects

1. **Title:** *Effect of cytokines on the survival and regeneration of the neurons and neurites outgrowth.*

Status: Ongoing

Principal Investigator: **Dr. Ebtesam Abd- El- Basset**

RESEARCH AND PUBLICATIONS

Research papers

1. Asfar S, Shuaib A, Al-Otaibi F, Asfar SS, **Kilarkaje N.** (2018) A new technique to induce experimental myointimal hyperplasia. *Med Princ Pract*, 27: 415-419.
2. **Al-Hussaini H, Kilarkaje N.** (2018) Effects of trans-resveratrol on type 1 diabetes-induced inhibition of retinoic acid metabolism pathway in retinal pigment epithelium of Dark Agouti rats. *Eur J Pharmacol*, 834: 142-151.
3. Teresa Joy, **Muddanna Rao, Sampath Madhyastha** (2018). N-Acetyl Cysteine Supplement Minimize Tau Expression and Neuronal Loss in Animal Model of Alzheimer's Disease. *Brain Sciences*; 8, 185; doi:10.3390/brainsci8100185
4. Liegelin Kavitha Bernhardt, K Lakshminarayana Bairy, and **Sampath Madhyastha** (2018). Neuroprotective Role of N-acetyl cysteine against Learning Deficits and Altered Brain Neurotransmitters in Rat Pups Subjected to Prenatal Stress. *Brain Sciences*; 8:120, doi:10.3390/brainsci8070120
5. **Abd-El-Basset, E. M., Rao, M. S.** (2018): Dibutyryl cyclic adenosine monophosphate rescues the neurons from degeneration in stab wound and excitotoxic injury models. *Front. Neurosci.* 12:546. doi: 10.3389/fnins.2018.00546. eCollection 2018

6. **Al-Hussaini H., Kilarkaje N** (2018). *Trans*-Resveratrol mitigates type 1 diabetes-induced oxidative DNA damage and accumulation of advanced glycation end products in glomeruli and tubules of rat kidneys. *Toxicol Appl Pharmacol*, 2018 339: 97-109. doi: 10.1016/j.taap.2017.11.025. Epub 2017 Dec 8.
7. **M. A. Mousa, M. A. Elshahat, W. M. Renno** (2018). Effect of developmental lead exposure on neurogenesis and cortical neuronal morphology in Wistar rats. *Toxicology and Industrial Health*, 34 (10):665-678. doi: 10.1177/0748233718781283.
8. Rahman A, **Rao MS**, Khan KM (2018). Intraventricular infusion of quinolinic acid impairs spatial learning and memory in young rats: a novel mechanism of lead-induced neurotoxicity. *J Neuroinflammation*. 15(1):263. doi: 10.1186/s12974-018-1306-2.
9. **Kilarkaje N, Al-Hussaini H.** (2019) Type 1 diabetes upregulates metastasis-associated protein 1- phosphorylated histone 2AX signaling in the testis. *Eur J Pharmacol*, 5; 846: 30-37.
10. Teresa Joy, **Muddanna Rao, Sampath Madhyastha** (2019). Effect of N-acetyl cysteine on intracerebroventricular colchicine induced cognitive deficits, beta amyloid pathology and glial cells. *Neuroscience Journal; Article ID 75447382 (Hindawi Publishers)*
11. Akhtar S, Chandrasekhar B, Yousif MH, **Renno W**, Benter IF, El-Hashim AZ. (2019) Chronic administration of nano-sized PAMAM dendrimers in vivo inhibits EGFR-ERK1/2-ROCK signaling pathway and attenuate diabetes-induced vascular remodeling and dysfunction. *Nanomedicine*. Mar 4. pii: S1549-9634(19)30043-7. doi: 10.1016/j.nano.2019.02.012.
12. Cherian SB, Bairy KL, **Rao MS** (2019) Sexually dimorphic effects of chronic prenatal restraint stress on hippocampal neurogenesis using doublecortin immunostaining technique. *International Journal of Research & Review (www.ijrrjournal.com)* 370 Vol.69(5) 370-377
13. Rahman A, Al-Qenaie S, **Rao MS**, Khan KM, Guillemin GJ (2019) Memantine is protective against cytotoxicity caused by lead and quinolinic acid in cultured rat embryonic hippocampal cells. *Chem Res Toxicol*. 15. doi: 10.1021/acs.chemrestox.8b00421.

Papers / Manuscripts in preparations:

1. **Abd-El-Basset, E.M., Alshawaf S, Ashkanani H, Kabli A,** (2019): Tumor necrotic factor- α (TNF- α) induces astrogliosis and promotes survival of cortical neurons. (In preparation).
2. **Abd-El-Basset, E. M. and Rao, M. S.** (2019): dBcAMP Rescues the neurons from degeneration in Kainic acid injured hippocampus and enhances learning and memory and neurogenesis (submitted)

3. **Abd-El-Basset, EM**; Ameera Alsaqobi and **Rao. M.S.** (2019): Interferon-Gamma and Interleukin- 1Beta Enhance the Secretion of Brain Derived Neurotropic Factor (BDNF) and Promotes the Survival of Cortical Neurons in Brain Injury (submitted)

Published Abstracts

1. **Abd-El-Basset, E. M. and Rao, M. S.** dBcAMP Rescues the neurons from degeneration in Kainic acid injured hippocampus and enhances learning and memory and neurogenesis. *Neural Development GRC. Newport USA. 2018*
2. **Rao MS** and Smitha S (2018). Ferulic acid provides neuroprotection against kainic acid-induced neurotoxicity in-vitro. *Abstract No. 210.16, 48th Annual meeting of Society for Neuroscience, USA, held at San Diego, USA (November 3-7, 2018).*
3. Alshawaf S, Ashkanani H, Kabli A, Joy J, Najem A, **Abd-El-Basset, E.M.** Tumor necrotic factor-alpha (TNF- α) induces astrogliosis and promotes survival of cortical neurons. *Updates in internal medicine Conference in collaboration with Harvard medical faculty physicians". Millennium Hotel - Kuwait from 7th - 9th March, 2019*
4. **Madhyastha S. and Rao MS** (2019) Effect of N-acetyl Cysteine on Intra-Cerebro-Ventricular Colchicine Induced Cognitive Deficits, Beta Amyloid Pathology and Glial Cells. *Abstract ID # 3403/P197, SOT 58th Annual Meeting and ToxExpo of Society of Toxicology, Baltimore, USA (March 10-14, 2019).*
5. **Kilarkaje N, Al-Hussaini, Ettarh R.** Millennial students study alone using mixed resources. *Experimental Biology Meeting, Oralndo, USA, April 6-10, 2019.*
6. **Waleed M. Renno**, Mohammad Afzal, Bincy M. Paul, Jassim M. Al-Hassan. Catfish skin preparations ameliorate neurobehavioral and histopathological alterations of the sciatic nerve following crush injury. Presentation No. 228.01. *Presented at the Experimental Biology 2019 Meeting, Orlando, Florida, USA. April 6-9, 2019.*
7. **Alyaa Mousa**, Abdulaziz M F Shayea, Bedoor Qabazard, Mariam Yousif and **Waleed Renno**. Chronic Hydrogen Sulfide Alters Microglial Activation in the Spinal Cord of Streptozotocin-induced Diabetic Rats. *Presented on 2nd Global Meeting on Diabetes and Endocrinology Istanbul, Turkey, May 30-31, 2019*
8. Noura Al-Farhan and **M.S. Rao**. Dibutyryl cAMP Enhances Cognitive Functions in Diabetic Rats by Increasing the Hippocampal Neurogenesis (2019) *Abstract Number:lb157, FASEB Journal Vol. 33, No. 1(supplement)*
9. Lehner KR1, Silverman HA1,2, Addorisio ME2, Roy A3,4, **Al-Onaizi MA3,5**, Levine Y6, Olofsson PS2,7, Chavan SS1,2, Gros R3,4,8, Nathanson NM9, Al-Abed Y2,10, Metz CN1,2, Prado VF3,4,11,12, Prado MAM3,4,11,12, Tracey KJ1,2, Pavlov VA1,2. Forebrain Cholinergic Signaling Regulates Innate Immune Responses and Inflammation. (2019) *Journal of Frontiers in Immunology.*

The following posters were presented by the Department of Anatomy at the 24th Health Sciences Center Poster Conference, Faculty of Medicine, Kuwait University, March 12–14, 2019.

1. Al-Sarraf A, **Al-Onaizi MA, Kilarkaje N.** Determining the Long-term Consequences of Type 2 Diabetes on Hippocampal Neuroinflammation and Synaptic Health: Implications for Alzheimer's Disease. *24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*
2. Jallad R, **Rao MS**, Al-Taiar A, Shaban L, Al-Sabah R, Rahman A (2019) Prevalence of microminerals deficiencies among adolescent school children in Kuwait. *Abstract. No.121, 24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*
3. Al-Arbeed TA, **Renno WM**, Al-Hassan JM: Anti-apoptotic and Neuroregenerative Effects of Soluble Protein Fraction of the Epidermal Secretion from the Arabian Gulf Catfish following Sciatic Nerve Crush Injury in Rats. *24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*
4. **Hanaa LS**, Refaa EA, Dalia MF, **Renno WM**: A Rare case of a Double posterior cerebral artery. *24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*
5. Refaa A, Dalia MF, **Hanaa LS, Renno WM**: The combination of reverse Hot Cross Bun sign, Mercedes Benz sign, Face of giant Panda and her cub in non-Wilson disease. *24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*

Awards:

1. **Second Best Poster Award (students' category)** -Alshawaf S, Ashkanani H, Kabli A, Joy J, Najem A, **Abd-El-Basset, E.M.** Tumor necrotic factor-alpha (TNF- α) induces astrogliosis and promotes survival of cortical neurons. *Updates in internal medicine Conference in collaboration with Harvard medical faculty physicians". Millennium Hotel - Kuwait from 7th - 9th March, 2019.*
2. **Young Researcher Basic Science Award** - Awarded to Dr. M. Al-Onaizi for the poster 'Al-Sarraf A, **Al-Onaizi MA, Kilarkaje N.** Determining the Long-term Consequences of Type 2 Diabetes on Hippocampal Neuroinflammation and Synaptic Health: Implications for Alzheimer's Disease. *24th HSC poster conference held at Faculty of Medicine, Kuwait University, March 12-14, 2019*'.
3. **Best MSc Research Award 2019** - Al-Arbeed TA, **Renno WM**, Al-Hassan JM: Anti-apoptotic and Neuroregenerative Effects of Soluble Protein Fraction of the Epidermal Secretion from the Arabian Gulf Catfish following Sciatic Nerve Crush Injury in Rats. *24th HSC poster conference, Faculty of Medicine, Kuwait University, March 12-14, 2019.*

4. **Best Poster Award** - Noura Al-Farhan and **M.S. Rao**. Dibutyl cAMP Enhances Cognitive Functions in Diabetic Rats by Increasing the Hippocampal Neurogenesis, (*Graduates of Faculties of HSC*), 12th Student Research Day, May 15th 2019.

Departmental Seminars, Journal Club and Thesis Defense

1. **Mr. Abdulaziz Al-Shammeri**– *Chronic Hydrogen Sulfide Alters Microglial Activation in the Spinal Cord of Streptozotocin-induced Diabetic Rats.*, October 07, 2018. (**Thesis Defense**)
2. **Ms. Teebah A N Al-Arbeed**– *Anti-apoptotic and Neuroregenerative Effects of Soluble Protein Fraction of the Epidermal Secretion from the Arabian Gulf Catfish following Sciatic Nerve Crush Injury in Rats.*, October 16, 2018. (**Thesis Defense**)
3. **Prof. Narayana Kilarkaje**– *Transcriptional regulation by Resveratrol of apoptotic, cell cycle control and DNA damage repair genes in types 1 and 2 diabetes: Conclusions from PCR array analysis.*, October 24, 2018.
4. **Dr. Muddanna Rao**– *Neural stem cells and neurogenesis - An update*, December 11, 2018.
5. **Mr. Ahmed Fareed Abdullah**– *Transplantation of insulinoma into the diabetic Syrian hamster.*, March 31, 2019 (**Journal Club**)
6. **Dr. Sampath Madhyastha**– *Learning Objectives*, April 23, 2019.
7. **Ms. Suad Saeed**– *Anti-allodynic effect of Buja in a rat model of oxaliplatin-induced peripheral neuropathy via spinal astrocytes and pro-inflammatory cytokines suppression.*, May 02, 2019. (**Journal Club**)
8. **Ms. Hedaya Al-Dakheel**– *A Study Comparing the Antioxidant Efficacy of Ginger Extracts and Perindopril as One of the Antihypertensive Drugs on the STZ Model of Alzheimer's Disease in Rat.*, May 20, 2019. (**Thesis Defense**)

CONTRIBUTIONS

- a) **Participation in Ministry/government activities:**
- b) **Offices held in professional organizations**

Dr. Alyaa Mousa

- Representative of International Centre for Diarrheal Disease Research, Bangladesh (icddr-b) in Kuwait and the Gulf Region, TIES Center, Kuwait

c) Advisory editor services for professional journals

Prof. Narayana Kilarkaje

Editorial Board member:

- | | |
|--|-----------------|
| ➤ EC Gynecology | 2016- till date |
| ➤ Archives of Medicine & Health Sciences | 2014-till date |
| ➤ Borneo Journal of Medical Sciences | 2013-till date |
| ➤ Journal of Endocrinology and Thyroid Research (JETR) | 2016-till date |
| ➤ SM Journal of Clinical Andrology | 2016-till date |
| ➤ Global diabetes | 2017-till date |

As a peer reviewer of scientific papers for publications:

- Biological Trace Element Research
- Biomedicine & Pharmacotherapy
- Chemico-biological interactions
- Diabetologia
- Drug and Chemical Toxicology
- Environmental Toxicology
- Reproduction
- Reproductive Sciences
- Toxicology and Applied Pharmacology

Prof. Waleed Renno

Journal peer review - services:

- British Journal of Nutrition
- Journal of Neurosciences in Rural Practice
- Amino Acids
- Clinical Nutrition
- Journal of Neurochemistry
- Neural Regeneration Research
- Medical Science Monitor
- Neurological Research

Dr. Ebtesam Abd-El-Basset

Peer reviewer of scientific papers for publication:

- Molecular Histology
- Journal of neuroinflammation

Dr. Muddanna Rao

Reviewer for the following journals.

- Review Editor, for Frontiers in Molecular Neuroscience
- BMC Complementary and Alternative Medicine
- Seizure: European Journal of Epilepsy
- International Journal of Medicine and Medical Sciences

d) Active participation in professional conferences

Prof. Narayana Kilarkaje

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Experimental Biology Meeting, Oralndo, USA, April 06-10, 2019.

Prof. Waleed Renno

- Society for Neuroscience 2018, San Diego, CA, USA November 2018.
- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Experimental Biology Meeting, Oralndo, USA, April 06-10, 2019.

Dr. Ebtesam Abd-El- Basset.

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Internal medicine Conference in collaboration with Harvard medical faculty physicians". Millennium Hotel - Kuwait from 7th - 9th March 2019.

Dr. Muddanna Rao

- 48th Annual meeting of Society for Neuroscience, held at San Diego, USA (November 3-7, 2018).
- 24th HSC, Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019

Dr. Sampath Madhyastha

- 58th Annual meeting of the Society of Toxicology, Baltimore, USA, (March 10 -14, 2018).

Dr. Alyaa Mousa

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- 2nd Global Meeting on Diabetes and Endocrinology Istanbul, Turkey, May 30-31, 2019

Dr. Heba Al-Hussaini

- 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, Kuwait, March 12-14, 2019.
- Society of Toxicology Annual Meeting, 2019.

e) Service as external examiner outside Kuwait

- Prof. Narayana Kilarkaje visited Sultan Qaboos University, Oman from May 19-23, 2019 as an external examiner and advisor.

f) Contribution to committees in the Faculty of Medicine

Prof. Narayana Kilarkaje

1. Chairman, Department of Anatomy
2. Director of Kuwait Animal Resource Center
3. Member of Phase II curriculum committee
4. Member, HSC Animal Ethics Committee
5. Member of M.Sc., Biomedical Sciences
6. Member of the Faculty Council
7. Member of Higher Scientific Committee
8. Member of Judging Committee for the Poster Conference, 2019
9. Member of Promotion review committee
10. Chair of Departmental appointment committee
11. Chair of Departmental scholarship committee
12. Member of Faculty scholarship committee
13. Member of Faculty appointment interview committee
14. Member of Departmental purchase committee
15. Member of Departmental graduate committee

Prof. Waleed Renno

1. Director of the Consultation and Training office at the Faculty of Medicine, 2010 - Present.
2. Coordinator - Musculoskeletal System (Phase II- Medical & Dental)
3. Coordinator - Oral Science Summer Course (2014 – Present)
4. 5th and 6th Year Surgery program (Phase III- Multidisciplinary Activities)
5. Member of Dental Faculty Examination Committee for Phase II – January 20, 2010 – Present
6. Member of the Kuwait Surgical Board Part I Examination Committee

7. Member of the Promotion review committee for several FOM members
8. Member of the Departmental appointment and Contract Renewal Committee, Department of Psychiatry

Dr. Muddanna Rao

1. Coordinator-Nervous System Module (2018 -2019)
2. Member, Subcommittee on Student policies (2018-2019) (Academic Accreditation subcommittee)

Dr. Sampath Madhyastha

1. Member, Examination review committee
2. In charge of OSP Examination (Year 4) for Anatomy Department

Dr. Alyaa Mousa

1. Anatomy Master Program Director, 2019 -To date
2. Graduate Program Area Committee of the Faculty of Medicine
3. Internal examiner for Viva Voce Examination for phase II Students-4th Year Team C, May 20 & 21, 2019, Faculty of Medicine, Kuwait University.
4. Member, of Committee of Academic Affair, Kuwait University Faculty Association (KUFA), Kuwait (2017- To date)

Dr. Heba Al-Hussaini

1. Chairperson, PBL Committee (2012- 2019)
2. Member, Accreditation Committee (2018)
3. Member, Safety Committee (2016- 2019)

g) Contributions to committees outside the Faculty

Prof. Narayana Kilarkaje

1. Member of American Association of Clinical Anatomists (AACA)
2. Member of Anatomical Society
3. Member of Society for Toxicology
4. Member of Association of Toxicology

Dr. Ebtesam Abd-El-Basset

1. Society for Neuroscience
2. American Association of Clinical Anatomists

Dr. Alyaa Mousa

1. Member of the Society for Neuroscience (SFN), 1994- To date
2. Member of International Vaccine Institute Friend's Society (IFS), 2006-To date
3. Member of International Society for Stem Cell Research (ISSCR), 2009- To date
4. Member, Kuwaiti Women philanthropic team, (2017 –to date)
5. Member, Kuwait Women's Cultural and Social Society, (2011 –to date)
6. Member, Alzheimer Committee of Kuwait Women's Cultural and Social Society, (2012 – to date)
7. International consultant for ICDDR-b, Bangladesh (2014 –to date)

Conferences Organized

Prof. Waleed Renno

1. Gross Anatomy workshop for KIMS surgical Residents, July 2018.

Dr. Alyaa Mousa

1. One- Day Event campaign to increase awareness of the Anatomy Master Program at the Faculty of Medicine. The event was held at Allied Health (lobby) for all students of Health Science Center on Sunday, February 03, 2019, HSC, Kuwait University.

CONCLUSION

The members of the Department Anatomy worked hard and smartly to achieve the set goals in teaching and research. Several important Faculty level committees included the Faculty members of the Department. This reflects administrative abilities of the members. The faculty members were authors in more than 15 published papers. The faculty members also attended several international conferences. The faculty members put in extra effort to teach anatomy with the intention of making the learning of otherwise difficult science of anatomy easier. This has been reflected in the rating of anatomy teachers excellent almost always by the students. The Department always supports the faculty members to try for new grants, excel in teaching and venture into collaborations with other departmental faculty members. The expertise of Anatomy Faculty members and technical staff has been widely applauded, which is also reflected in several collaborations extended into the Department by other departments. Our intention is to extend total support to the Faculty of Medicine in its endeavor to pursue greater heights in academic excellence and research.

Future

The department is eagerly waiting for the inauguration of the new dissection room. When the renovated dissection room is ready, we would be able to improve the teaching quality. The Department also looks forward to some changes in the examination method for medical and dental students. The expected changes are making compulsory pass required in OSPE by each student to be promoted to the next level. This would significantly improve the skill of all students. As regards the research, we are looking forward to upgrading the available research facilities. Recently, the Department received an automatic Western blotting machine. We are looking forward to buying new instruments related to histological techniques and molecular biology. The department is interested in establishing facilities needed for RT-PCR assays at the earliest, which would benefit all researchers in the Department to pursue research. The Department is also waiting for the approval of the PhD program from the University, which has been pending for the last two years. In addition, the Department would like to appoint at least four more teaching assistants and a couple of faculty members.

BIOCHEMISTRY

INTRODUCTION

There are eight academic staff members, and four Teaching Assistants, who with eight support staff and two secretaries perform teaching, research and administrative duties. Several areas of research including the basic biochemical, cellular and molecular aspects of Diabetes, Oxidative Stress, Free Radicals and Inflammation, Oncology and Cancer Treatments, Membrane Transport and Enzymes, Cell Signaling and Hypertension and Metabolism are available in the Department. In the current academic year, four peer-reviewed research articles and five abstract were published despite a heavy teaching load. Members also presented their research findings in at least three international conferences. Department currently has 14 ongoing research projects including students MSc thesis research grants. At present seven students are enrolled into MSc program in Medical Biochemistry of which one has graduated, one has completed external review of the thesis, and the remaining five students are at various stages of experimentation, thesis writing and submission. For the next academic year, 2019-2020, two students were interviewed and approved for admission into the MSc Graduate Program. Two Students enrolled into the Medical Biochemistry PhD program completed their course work, and will soon start their thesis work.

Department participates in didactic teaching and or PBL facilitation in the following undergraduate academic programs:

1. Biology and Chemistry (Year-1, Phase-1)
2. Foundation Biochemistry (Year-2, Phase-2)
3. Biochemistry Electives (Year-3-4, Phase-2)
4. Biochemistry Topics in the Medical-School-Day (Year-6, Phase-3)

Department also contributes to the Graduate teaching and thesis supervision in the following Graduate Programs:

1. M.Sc. Graduate Program in Medical Biochemistry, Faculty of Medicine
2. PhD Program in Medical Biochemistry, Faculty of Medicine
3. M.Sc. Graduate Program in Molecular Biology (University-based)
4. M.Sc. Part-time Program in Medical Sciences (Faculty-based)

(a) Objectives of the Departmental Academic Programs

Phase-1 Year-1 Chemistry and Biology

To assist and prepare students to learn and to be able to integrate basic knowledge with the medically relevant concepts on higher levels of their study. Chemistry course comprised of a total of 36 lectures, 4 workshops, 5 laboratory sessions, and 1 revision session. In Biology course, the Biochemistry staff members deliver 9 lectures, 3 tutorials and 1 laboratory session.

Phase-2 Year-2 Foundation

Biochemistry topics are selected to strengthen students' comprehension of the basic concepts, mechanisms and skills related to Biochemistry, Nutrition and Molecular and Cellular Biology. These topics are intended to prepare students so that they are able to integrate this knowledge in the System-based PBL curriculum in the years-3 and -4.

Phase-2 Years-3-4

At this stage, a PBL curriculum is offered to facilitate students' learning of basic mechanisms in context of a given clinical scenario in small groups (8-12 students per group). Biochemistry topics are integrated to support learning of basic mechanisms underlying the pathogenesis of a PBL theme presented weekly.

Elective Courses

A number of specialized elective courses are available in the Department which are designed to complement students' knowledge in specific areas. In the current academic year, one elective course entitled, "Free Radicals" was offered to the students in Phase-2 Year-4.

M. Sc. Graduate Program in Medical Biochemistry

Program is designed to provide students with a sound knowledge and hands-on skills in experimental designing and execution, data collection, analysis, presentation and scientific writing.

Ph.D. Graduate Program in Medical Biochemistry

Program is designed to provide students with a sound knowledge and hands-on skills in Biochemistry, Cellular and Molecular Biology, and Genetics techniques and research methods.

(b) Obstacles in Meeting Objectives

Undergraduate Teaching

Major emphasis of the Phase-2 is on understanding the basic mechanisms underlying human pathologies. However, due to minimal role of the Basic Science Departments in the selection of topics the curriculum contents are incongruous in some cases that makes students to lose their interest which is manifested in their poor learning of and performance in certain topics. Furthermore, importance of Basic Science laboratory teaching is largely marginalized. Therefore, in spite of so much investment in designing and implementation of the system-based PBL curriculum, students are still engaged in question-based learning which poses a major challenge in developing students' interest in self-study and critical thinking. Some coordinators unilaterally delete topics without any consultation with their coordination team or the Department chairmen.

Graduate Teaching

The Graduate Program and Post-Doctoral Program contribute significantly in enhancing research progress and productivity of an institution. However, for teaching of a cohort of less than three graduate students, the teaching faculty does not get any credit which diminishes their

enthusiasm. Another problem is lack of sufficient funding for the technique-based courses. In addition, the amount of funding for the student thesis research has recently been reduced by the Research Administration (RA). Problem of scarcity and procuring experimental animals and their maintenance is also a serious challenge which is impacting the student research progress. Furthermore, procuring research money requires a long time, and therefore the CGS and RA should expedite the processing of grant applications, petty cash request and settlement processing so as to release funds in time.

Shortage of Manpower and Recruitment

Department is suffering from an acute shortage of staff particularly due to loss of many academic staff members. Additionally, Dr J Craik has resigned from the University in March, 2019. In spite of our consistent efforts, no appointment was made as yet, and the Department is currently left with only eight academic members to perform the Department's academic, research and administrative business. Department also does not have any chief technician to plan, and manage necessary material supply for running the department. Two support staff members who left the department have been replaced by two new recruitments. Therefore, a shortage of the academic and support staff together with a heavy administrative load is impacting Department's progress and productivity in research.

Research

Research in Universities is driven mainly by the graduate students and post-doctoral fellows. However, there is no simple way to hire postdoctoral fellows in this University. In addition, for research and teaching, availability of funds and an in-time delivery of consumables and chemical supplies, and maintenance of necessary instruments requires attention from the administration.

(c) Current Developments

Undergraduate Teaching

Remedial Sessions

There is provision of offering remedial sessions to support and help students in understanding various difficult concepts in Biochemistry. These sessions are delivered by the Teaching Assistants under the guidance of an academic staff only on students' selection.

Medical School Day Teaching

Two Biochemistry related topics are offered by the Department to the Year-6 students in Phase-3 as part of Medical School Day in an integrated manner.

Students Training

Department offers hands-on training in the cutting-edge-technologies such as Polymerase Chain Reaction, DNA sequencing, Chromosomal analysis by Fluorescence in-situ hybridization (FISH) and LC/GC Mass Spectroscopy through compulsory and elective courses.

Part-Time Graduate Program for Medical Students

Department also offers four Biochemistry/Molecular Biology courses in this program.

Molecular Biology Graduate Program, College of Graduate Studies

Department participates in two courses entitled Advanced Molecular Biology and Advanced Cell Biology in this program controlled by the College of Graduate studies. Department also provides thesis supervision to the MSc students enrolled in this program.

PhD Program in Medical Biochemistry

Two students who enrolled in the academic year 2016-2017, after their postponement for one year, have successfully completed course work in the academic year, 2018-2019. One student has been assigned a thesis supervisor, while the second one is expected to register for her thesis work very soon.

(d) Program Achievements

(List initiatives undertaken and outcomes achieved in the following area):

Student Engagement and Success

There were seven MSc students enrolled for thesis work including two students from the Molecular Biology Graduate Program. One student enrolled in the Molecular Biology graduated with her MSc degree in this academic year, 2018-2019. One student enrolled in the Molecular Biology Program has completed thesis review, one student enrolled in the Medical Biochemistry Graduate Program has submitted her thesis while another one is expected to submit her thesis soon. Remaining three students are engaged in their thesis work and thesis writing. Students participated actively in poster presentation in the local and international scientific meetings to foster their scientific writing and communication skills.

Curriculum Enhancement and Development

(Overall summary of teaching effectiveness of all teaching/training sessions undertaken, using the students'/tutors' feedbacks.)

Undergraduate Curriculum is controlled centrally by the Faculty of Medicine. There are several Coordination Committees for Year-1-4 which are responsible for curriculum supervision and modification individually. These Committees have Biochemistry Department representatives serving as a member. The curriculum and the instructor are routinely evaluated by the students, and based on students' feedback, the curriculum is revised routinely. These changes include removal of redundancy or extensive overlap among different disciplines. In addition, the Department Curriculum Committee (adhoc) review and revise the objectives and contents of the topics to present in an appropriate sequence of delivery so as to facilitate student's coherent learning of the subject matter.

The Graduate Programs in the Kuwait University are evaluated routinely every 5 years by an external expert. The Medical Biochemistry Graduate Program has undergone review process twice since its initiation in 2002. The changes suggested by the external reviewers were incorporated and implemented. The teachers are also evaluated routinely by the students and their feedback is taken into account to modify their instructions on individual basis. In addition, there is a regular feedback from the CGS as well, and the changes are incorporated. As a result, recently the following two courses were inducted as compulsory courses:

1. Scientific Writing and Communication Skills (2000-501, 3 credits)
2. Ethics and Professionalism (2000-503, 2 credits)

Two old courses (Research Seminar I (0540-568) and Research Seminar II, (0540-569) which offered in the program have been removed from the student course list because the above new courses include their contents.

To accommodate this change, the students are now exempted to select any Elective course. For graduation the students now have to complete a total of 31 credit-hr course work including 22 credits for course work, and 9 credits for the thesis. These changes were also approved by the Department Graduate Program Committee.

PhD Program in Medical Biochemistry has been initiated with two students who have completed their course work. PhD curriculum is also controlled by the graduate college. However, one course offered this year entitled, ‘Inflammation and Mediators’ which is a 1-credit-hr course was realized to be short of credits. Therefore, based on our experience and student feedback, the course has been suggested to change to 2 credit-hr starting from the next academic year. The request pertaining to this modification has been submitted to the College of Graduate Studies through the Vice-Dean Research and Post Graduate Studies for approval.

Changes/Review to the Curriculum Undertaken

(Review of various teaching/training modalities, clinical rotations, MSD activities, assessments, clinical and communication skill/procedural skill activities.)

Curriculum review is an ongoing process to meet students learning needs. From student review/feedback it appears that they do not like learning topics format as a learning method. Therefore, based on students’ feed-back and staff suggestions several learning topics have been changed to lecture or seminar.

Activities Undertaken for the Accreditation Process in Preparing Self-Evaluation Document:

(Collection and submission to VDA Office of the evidence for the review to the curriculum undertaken [training of clinical tutors, review of student logbook, review of rotation objectives, training workshops, minutes of inter- and/or intra-departmental moots, etc.])

The academic staff are encouraged to attend the workshops and seminars on various aspects of curriculum and assessment which are organized by the Faculty of Medicine. Data pertaining to curriculum evaluation and teacher's evaluation are collected which are analyzed through the Vice-Dean Academic office. These documents are available in the VDA office and in the Department as well.

Challenges Towards Successfully Achieving Teaching/Training Activities:

The Department is facing acute shortage of the academic and the support staff which is having a negative impact on the Department progress and productivity in the research and teaching.

MANPOWER

Faculty Members

Full Professors

1. Dr. Islam Khan, B.Sc., M.Sc., M.Phil., Ph.D. (Chairman)
(Membrane Transport, Inflammation: Role in Biochemical and Molecular Pathophysiology of Human Inflammatory Bowel Diseases)
2. Dr. Farida M. Al-Awadi, B.Sc., Ph.D.
(Regulation of Metabolic Homeostasis, Trace Elements and Diabetes)
3. Dr. Ludmil T. Benov, B.Sc., Ph.D.
(Free Radicals, Cell Defense Systems and Physical Biochemistry)
4. Dr. Moussa Alkhalaf, B.Sc., Ph.D.
(Breast Cancer, Steroid Therapeutics and Molecular Biology)

Associate Professors

5. Dr. James D. Craik, B.A., D.Phil.
(Membrane Transport, Red Blood Cells and Nucleoside Therapeutic)
6. Dr. May Al-Maghrebi, B.Sc., M.Sc. Ph.D.
(Molecular and Biochemical Characterization of Ischemia Reperfusion Injuries and Cancer)
7. Dr. Farook Thameem, B.Sc., M.Sc., Ph.D.
(Genetics, Molecular Biology and Biochemistry of Diabetes Nephropathy)

Assistant Professors

8. Dr. Aishah Al-Jarallah, B.Sc., M.Sc., Ph.D.
(Nutrition: Lipoprotein Metabolism, Hypertension, Cardiovascular Disorder)
9. Dr. Selma Alkafeef, B.Sc., M.Sc., Ph.D.
(Molecular Mycology and Fungal Pathogenesis, Dimorphism and Epigenetic Switching, Functional Genomics and Proteomics)

Teaching Assistants

1. Ms. Mona Mohammed, B.Sc., M.Sc.

2. Ms. Raeda Khanafer, B.Sc., M.Sc.
3. Dr. Osama Habib, B.Sc., M. Sc., Ph.D.

Graduate Students

M.Sc.

1. Ms. Maha Abd Al-Azeez Al-Habeeb
2. Ms. Farah A. Khashab
3. Ms. Farah S.S.S Alsaleh
4. Ms. Reham Abdullah Abdulrahman Al-Othman
5. Ms. Al-Bandari M.B.F. Al-Enazi
6. Ms. Zahraa Abdulkareem Baidhoun
7. Ms. Athari A.S.S. AlEnazi

Ph.D.

1. Alia Ali Al-Harban
2. Asma'a Tahar Ali Al-Failakawi

Scholarship Student

Mr. Mohammad Al-Ansari (Durham University, UK)

SUPPORT STAFF

Chief Technician

Dr. Elizabeth Jayanthi, B.Sc., M.Sc., Ph. D (Acting Chief Technician)

Scientific Assistants

1. Dr. Elizabeth Jayanthi, B.Sc., M.Sc., Ph.D.
2. Ms. Fatima Sequeira, B.Sc., M.Sc.

Senior Chemistry Specialist

3. Ms. Amna Al-Shamali, B. Sc. M.Sc.

Senior Technicians

4. Ms. Lilly Verghese, B.Sc., M.Sc.
5. Ms. Mona Al-Rustom, B.Sc.

Chemistry Specialist

6. Mr. Godwin Budadasari, B.Sc., M.Sc.

Senior Secretary

7. Ms. Mary Geetha Haris, B.A.

Translator

8. Ms. Anwar Bugmaz, B.A., Diploma in Secretarial and Management Assistance

New Recruitments

Mr. Godwin Budadasari, Chemistry Specialist (March, 2019)

Ms. Smitha Mary Thomas, Lab Analyst (May, 2019)

Staff on Sabbatical Leave

Prof. Farida Al-Awadi (September, 2017 – September, 2019)

Staff on Study Leave

Mr. Mohammad Al-Ansari (Durham University, UK)

Staff Resigned

Dr. James Craik (March 17, 2019)

TEACHING**1. FACULTY OF MEDICINE****(a) Undergraduate Teaching****Table 1.** Coordination

Coordinators	Courses/Block	Year	Phase
1. Prof. L. Benov	1. Chemistry for Health Sciences	1	1
2. Prof. I. Khan	2. Foundation Block	2	2
3. Dr. A. Al-Jarallah	3. Foundation Biochemistry	2	2
4. Dr. F. Thameem	4. Infection and Immunology	2	2

Table 2. Phase-2 Elective Course Coordinators

Coordinators	Elective	Year
1. Prof.L. Benov	Free radicals, antioxidant defenses & diseases	4

Table 3. Representation in Phase-2 System Coordination

Representatives	System	Year

1. Dr. S. Alkafeef	1. Musculoskeletal	3
2. Dr. A. Al-Jarallah	2. Cardiovascular System	3
3. Dr. J. Craik	3. Respiratory	3
4. Dr. F. Thameem	4. Endocrinology	3
	5. Blood and Lymph	3
	6. Central Nervous System	4
5. Dr. M. Al-Maghrebi	7. Renal	4
	8. Reproduction & Breast	4
6. Prof. I. Khan	9. Digestive	4

Table 4. PBL Facilitation

Facilitators	System	Year
1. Prof. I. Khan	1. Reproduction	4
	2. Cardiovascular system	3
1. Prof. L. Benov	3. Endocrine	3
	4. Musculoskeletal system	3
	5. Infection and Immunology	3
2. Prof. M. Alkhalaf	6. Blood and Lymph	3
3. Dr. M. Al-Maghrebi	7. Reproduction	4
	8. Endocrine	3
4. Dr. F. Thameem	9. Blood and Lymph	3
	10. Renal	4
5. Dr. A. Al-Jarallah	11. Blood and Lymph	3
	12. Cardiovascular system	3
6. Dr. Selma Alkafeef	13. Musculoskeletal system	3

Table 5. Phase-1 Year-1 Chemistry

Format	Contact hours
Lectures	114 (38h x 3)
Workshop	90 (5 workshops x 3 classes x 3 subgroups x 2 hrs)

Labs	135 (3h x 5 labs x 3 classes x 3 subgroups)
Total	339

Instructors: I. Khan; L. Benov; J. D. Craik; A. Al-Jarallah; O. Habib;
M. Abdulwahab; R. Khanafer; G. Dhaunsi (Pediatrics)

Table 6. Phase-1 Year-1 Biology

Format	Contact hrs
Lectures	18
Tutorial	9
Labs	9
Total	36

Instructors: I. Khan; M. Al-Maghrebi; F. Thameem

Table 7. Foundation-1 Block

Format	Contact hours
Lectures	37
Seminars	24 (1h x 6 seminars x 4 groups)
Labs	18 (2h x 3 labs x 3 groups)
Learning topics	7
Total	86

Instructors: I. Khan; L. Benov; M. Alkhalaf;
J.D. Craik; M. Al-Maghrebi; F. Thameem; A. Al-Jarallah

Table 8. Infection and Immunology

Format	Contact hours
Lectures/ Seminars	0
PBL	14
Total	14

PBL: L. Benov

Table 9. Blood & Lymph System

Format	Contact hours
Lectures	7
Learning topics	1
PBL	52.5 (3.5 hr x 5 weeks x 3 facilitators)
Total	60.5

Instructors: I. Khan; L. Benov; M. Alkhalaf; J.D. Craik;
Thameem (PBL: M. Alkhalaf; F. Thameem; A. Al-Jarallah)

F.

Table 10. Cardiovascular System

Format	Contact hours
Lectures	2
PBL	24.5 (3.5 hr x 7 weeks x 1 facilitator)
Total	26.5

Instructors: J. Craik, A. Al-Jarallah (PBL: A. Al-Jarallah)

Table 11. Respiratory System

Format	Contact hours
Lectures	4
Seminars	1
Total	5

Instructors: I. Khan; L. Benov; J.D. Craik; M. Al-Maghrebi;
Thameem

F.

Table 12. Endocrine System

Format	Contact hours
Lectures	7
Seminars	30 (1h x 6 seminars x 5 groups)
Learning topics	2
PBL	49 (3.5h x 7 weeks x 2 facilitators)

Total	88
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Instructors: I. Khan; L. Benov; J.D. Craik; M. Al-Maghrebi;
Thameem; A. Al-Jarallah (PBL: L. Benov; A. Al-Jarallah)

F.

Table 13. Musculoskeletal System

Format	Contact hours
Lectures	3
Seminars	8 (1h x 2 seminars x 4 groups)
PBL	42 (3.5h x 6 weeks x 2 facilitator)
Total	53

Instructors: I. Khan; L. Benov; M. Al-Maghrebi;
F. Thameem; S. Alkafeef (PBL: L. Benov; S. Alkafeef)

Table 14. Central Nervous System

Format	Contact hours
Lectures	1
Learning topics	6
Total	7

Instructors: I. Khan; L. Benov; M. Alkhalaf; J.D. Craik; F. Thameem

Table 15. Digestive System

Format	Contact hours
Lectures	3
Seminars	8 (1h x 2 seminars x 4 groups)
Learning topics	1
Total	12

Instructors: I. Khan; L. Benov; J. D. Craik; Al-Maghrebi;
F. Thameem; A. Al-Jarallah; S. Alkafeef

Table 16. Renal, Reproduction and Breast

Format	Contact hours
Lectures	1
Learning topics	3
PBL	105 (3.5h x 10 weeks x 3 facilitators)
Total	109

Instructors: I. Khan; A. Al-Jarallah; F. Thameem
(PBL: Khan I; M. Al-Maghrebi; F. Thameem)

Table 17. Elective: Free radicals, antioxidant defenses and diseases

Format	Contact hours
Lectures	2
Practical	12
Total	14

Instructor: Prof. L. Benov

Table 18. Teaching in Other Programs

Programs/Lectures	Contact hours
Medical School Day Phase-3 (Basic Sciences)	
1. Inflammatory Bowel Disease	3
2. Biochemical Assessment of Muscle Disorders	3
Total	6

Instructor: I. Khan

(b) Graduate Teaching

Medical Biochemistry Graduate Program (M.Sc.)

Program Director: Prof. Moussa Alkhalaf

Table 1. Graduate Courses and Coordinators

Coordinators	Compulsory courses		
	Number	Title	Credits
1. I. Khan	500-501	1. Basic Molecular Biology*	1
2. L. Benov	540-560	2. Biochemistry Techniques-I	3
3. F. Thameem	540-561	3. Biochemistry Techniques-II	3
4. . Alkhalaf	540-562	4. Mol Biol & Biotech	2
5. J. D. Craik	540-563	5. Metabolic Homeostasis & Abnormalities	3
6. F. Thameem	540-564	6. Biochemistry of Diseases	3
7. A. Al-Batineh	510-501	7. Biostatistics course**	2

*Faculty-based course; **Offered by the Department of Community Medicine and Behavioral Sciences.

Table 2. Basic Molecular Biology-1 (500-501)

Format	Contact hours
Lectures	11
Labs	2
Total	13

Instructors: I. Khan; M. Al-Maghrebi; F. Thameem, A.S. Mustafa (Microbiology); S. Ahmed (Microbiology).

Table 3. Biochemistry Techniques-I (540-560)

Format	Contact hours
Lectures	15.0
Labs	77.5
Total	92.5

Instructors: L. Benov; J.D. Craik; A. Al-Jarallah

Table 4. Biochemistry Techniques-II (540-561)

Format	Contact hours
Lectures	12
Labs	24
Total	36

Instructors: I. Khan; M. Alkhalaf; F. Thameem

Table 5. Molecular Biology and Biotechnology (540-562)

Format	Contact hours
Lectures	25
Total	25

Instructors: I. Khan; M. Alkhalaf; M. Al-Maghrebi; F. Thameem;
M. Haider (Pediatrics)

Table 6. Metabolic Homeostasis and Abnormalities (540-563)

Format	Contact hours
Lectures	33
Total	33

Instructors: L. Benov; J. D. Craik

Table 7. Biochemistry of Diseases (540-564)

Format	Contact hours
Lectures	35
Total	35

Instructors: I. Khan; L. Benov; M. Alkhalaf ; J.D. Craik;
F. Thameem; A. Al-Jarallah; G. Dhaunsi

(c) Medical Biochemistry PhD Graduate Program

Program Director: Prof. Moussa Alkhalaf

Table 1. Graduate Courses and Coordinators (PhD)

Coordinators	Compulsory courses		
	Number	Title	Credits
J. D. Craik	540-605	Current Advances in Membrane Biochemistry	2
I. Khan	540-610	Inflammation and Mediators	1
F. Thameem	540-611	Introduction to Advanced Topics in Molecular Biology	1
M. Al-Maghrebi	540-614	Research Communication	2
L. Benov	540-606	Advanced Topics in Free Radicals Biochemistry	2
A.R. Ahmad	540-602	Advanced Medical Nutrition and Nutrigenomics	3

Table 2. Current Advances in Membrane Biochemistry (540-605)

Format	Contact hours
Lectures	12
Total	12

Instructors: I. Khan; L. Benov; J. Craik; S. Al-Sabah (Pharmacology)

Table 3. Inflammation and Mediators (540-610)

Format	Contact hours
Lectures	13
Labs	09
Total	22

Instructors: I. Khan; L. Benov; A. Al-Jarallah

Table 4. Introduction to Advanced Topics in Molecular Biology (540-611)

Format	Contact hours
Lectures	14
Total	14

Instructors: F. Thameem

Table 5. Advanced Topics in Free Radicals Biochemistry (540-606)

Format	Contact hours
Lectures	25
Total	25

Instructors: L. Benov

Table 6. Advanced Medical Nutrition and Nutrigenomics (540-602)

Format	Contact hours
Lectures	27
Total	27

Instructors: A.R. Ahmad

II. HEALTH SCIENCES CENTER AND KUWAIT UNIVERSITY

(a) Molecular Biology Graduate Teaching (University-Based M. Sc. in Molecular Biology)

Table 1. Advanced Molecular Biology-I (2050-511); Coordinator: Prof. M.S. Abaza

Format	Contact hours
Lectures	20
Total	20

Instructors: I. Khan; L. Benov; M Al-Maghrebi

Table 2. Advanced Cell Biology (2050-507); Coordinator:

Format	Contact hours
Lectures/Discussions	7
Practical	21
Total	28

Instructors: L. Benov; F. Thameem; A. Al-Jarallah

Table 3. Basic Molecular Biology Part-time MSc Program (500-501)

Format	Contact hours
Lectures	11
Labs	2
Total	13

Instructors: I. Khan; M. Al-Maghrebi; F. Thameem,
A.S. Mustafa (Microbiology); S. Ahmed (Microbiology).

(b) University-Based M. Sc. Graduate Teaching

Table 1. Scientific Writing (2000-501); Coordinator: Prof. R. Raghupathy

Format	Contact hours
Lectures	2
Total	2

Instructor: L. Benov

Overall Teaching Load

Program	Contact hours
1. Undergraduate didactic + PBL	1254
2. Graduate didactic	298
3. Graduate Thesis*	1920
4. PhD	100

(*Calculated based on 8 credits per student per Supervisor for 6 Students and 40 study weeks)

Grand total (excluding thesis supervision) – 1790 hours per year

III. STUDENT THESIS ADVISORS

Table 1. M. Sc. Students, Thesis Supervisors and Thesis Titles

Student	Supervisor	Title
1. Maha Al-Habeeb	L Benov	1. Effect of charges and shape of photosensitizer molecule on cellular uptake, distribution and photo-efficiency
2. Farah Khachab	M Al-Maghrebi	2. Investigating the role of the JAK / STAT and DNA damage response pathways in testicular ischemia reperfusion injury
3. Farah S.S. Alsaleh	M. Al-Maghrebi	3. Regulation of gene expression in testicular ischemia reperfusion injury
4. Fatemah F. Mohammad	M. Al-Maghrebi	4. Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/Survivin/p53 Pathway
5. Nora Al-Kandari	M. Al-Maghrebi	5. Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/Txnip/JNK signaling pathway
6. Reham A. A. Al-Othman	A. Al-Jarallah	6. The Role of High Density Lipoprotein Signaling in Ischemia Reperfusion Injury in Spontaneously Hypertensive Rats
7. Zahra Baidoun	I. Khan	7. Effects of Curcumin on ER Stress in Experimental Colitis: Mechanism of action

RESEARCH AND PUBLICATIONS

(a) Funded Projects

I. Khan

1. Perivascular adipose tissue dysfunction in hypertension: effect of losartan, MR 01/16. Funding: Research Sector, Kuwait University, Fund: KD 19,980. Duration: 2 years (1/2/2018- 1/2/2020). PI: Mabayoje Oriowo, CoI: **I Khan**.
2. Effects of Curcumin on ER Stress in Experimental Colitis: Mechanism of Action. Research Sector, Kuwait University, Fund: KD 6000. Duration: 1.5 years (Submitted: 15 June, 2019). PI: **I.Khan**

L. Benov

3. Effect of peripheral modifications on the antibacterial activity of synthetic iron-porphyrins (MB01/18). Funding: Kuwait University, Status: 01/04/2019-31/03/2022. PI: **L. Benov**; CoIs: E.Udo; A. Tovmasyan.
4. Effect of spatial distribution of substituents on cellular uptake, distribution, and photo-efficiency of porphyrin-based photosensitizers (YM06/16), Funding: Kuwait University. Status: 02/04/2017–01/10/2018. PI: **L. Benov**, CoI: J. Craik.

M. Alkhalaf

5. Co-presence and role of high-risk HPVs and EBV in human oral cancer in the population of Gulf countries. Grant Number: GCC2017002, Funding Agency: GCC Co-Funding Research Grant, **PI: M. Alkhalaf**.

J. D. Craik

6. Effect of spatial distribution of substituents on cellular uptake, distribution, and photo-efficiency of porphyrin-based photosensitizers (YM06/16). Funding: Kuwait University. Status: 02/04/2017 – 01/10/2018. PI: L. Benov, **CoI: J. Craik**.

M. Al-Maghrebi

7. Does inhibition of NADPH oxidase protect against DNA damage and apoptosis in testicular ischemia reperfusion injury? (YM 16/17). Funding: College of Graduate Studies + Kuwait University; Funds: KD 6,000; Duration: 18 months (2018-2020); Status: Ongoing. PI: M. Al-Maghrebi, Contributor: Farah Al-Saleh.
8. (YM 15/17). Funding Institute: College of Graduate Studies + Kuwait University; Funds: KD 6,000; Duration: 18 months (2018-2020); Status: Ongoing. PI: M. Al-Maghrebi, Contributor: Fatemah F. Mohammad.
9. Molecular analysis of the ASK-1/thioredoxin pathway in testicular ischemia reperfusion injury (YM 09/17). Funding Institute: College of Graduate Studies + Kuwait University; Funds: KD 6,000; Duration: 18 months (2017-19); Status: Ongoing. PI: M. Al-Maghrebi, Contributor: Nora Al-Kandari.
10. Investigating the role of the JAK/STAT and DNA damage response pathways in testicular ischemia reperfusion injury (YM 06/17).; Funding Institute: College of Graduate Studies + Kuwait University; Funds: KD 6,000; Duration: 18 months (2017-2019); Status: Ongoing. PI: M. Al-Maghrebi, Contributor: Farah Khachab.

F. Thameem

11. Discovery of Functional Variants in Type 2 Diabetes Genes in Mexican Americans. 2U01 K085524-06: PI: **F. Thameem**, Duration: 09/20/09–04/30/20. Funding Agency: NIDDK, National Institutes of Health (NIH), USA.

A. Al-Jarallah

12. Analysis of High density Lipoprotein Metabolism and Function in Spontaneously Hypertensive Rats, Research Sector (MB03/16). Funding: Kuwait University. Ongoing. **PI: A. Al-Jarallah**, Co: F Babiker.

13. The Effect of High Density Lipoproteins on Ischemia Reperfusion Injury in Spontaneously Hypertensive Rats (P116-113MM-05). Funding: Kuwait Foundation for Advancement of Science (KFAS). **PI: A. Al-Jarallah**, Co: F Babiker.
14. Mechanistic Insights into the Role of High Density Lipoprotein Signaling in Ischemia Reperfusion Injury in Spontaneously Hypertensive Rats (YM04/18). Funding: Research Sector (Graduate Student Project). **PI: A. Al-Jarallah**.

S. Alkafeef

15. The role of metabolism and metabolic state on phenotypic switching in the human fungal pathogen *Candida albicans* (Project no. ZM01/19). Funding: Kuwait University. **PI: S. Alkafeef**.

(b) Publications

(Authors in bold refer to the Departmental staff members)

Peer-Reviewed Scientific Journals

1. Thomas M, and **Benov L** (2018). The Contribution of Superoxide Radical to Cadmium Toxicity in E. coli. Biological Trace Element Research 181, 361-368.
2. Al-Mutairi R, Tovmasyan A, Batinic-Haberle I, and **Benov L** (2018). Sublethal Photodynamic Treatment Does Not Lead to Development of Resistance. Frontiers in Microbiology, 9: 1699.
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2. **Benov L** (2019). Targeted Delivery of Reactive Species for Anticancer Therapy, 7th Kuwait International Pharmacy Conference: KIPC 2019, March 5-7, 2019.
3. Al-Habeeb M, **Craik J**, **Benov L** (2019). Effect of Zn(II) N-alkylpyridylporphyrin Structural Modifications on NADH Photo-Oxidation and Anticancer Activity, 24th HSC Poster Conference, 12-14 March, 2019.
4. Khashab F, Pattillath S, **Al-Maghrebi M** (2019). Deciding on the life and Death of Germ Cells by the DNA Damage Response (DDR) Signalling Pathways, 24th HSC Poster Conference, 12-14 March, 2019.
5. Al-Saleh F, Pattillath S, **Al-Maghrebi M** (2019). Oxidative Stress-induced Germ Cell Apoptosis: The NOX-ER Stress Connection, 24th HSC Poster Conference 2019, 12-14 March 2019.

6. Mohammad FF, Pattillath S, **Al-Maghrebi M** (2019). Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/Survivin/p53 Pathway, 24th HSC Poster Conference 2019, 12-14 March 2019.
7. Al-Kandari N, Pattilath S, **Al-Maghrebi M** (2019). Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/Txnip/JNK signaling pathway, 24th HSC Poster Conference 2019, 12-14 March, 2019.
8. Al-Sharekh N, Al-Qarbah M, Al-Mojil K, Al-Maghrebi M, Al-Saleh F, Pattillath S, **Al-Maghrebi M** (2019). Germ Cell Apoptosis and Oxidative DNA Damage: Survivin' the Lipoxygenases, 24th HSC Poster Conference 2019, 12-14 March 2019.
9. Mohammad FF, Pattillath S, **Al-Maghrebi M** (2019). Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/Survivin/p53 Pathway, Scientific Poster Day 2019, Research Sector, OVPR, Kuwait University.
10. Al-Kandari N, Pattilath S, **Al-Maghrebi M** (2019). Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/Txnip/JNK signaling pathway, Scientific Poster Day 2019, Research Sector, OVPR, Kuwait University
11. Al-Kandari N, Pattilath S, **Al-Maghrebi M** (2019). Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/Txnip/JNK signaling pathway, ASBMB/Experimental Biology Annual Meeting 2019.
12. **Al-Maghrebi M.** (2019). Germ Cell Apoptosis and Oxidative DNA Damage: Survivin' the ipoxygenases, ASBMB/Experimental Biology Annual Meeting 2019.
13. Khashab F, Pattillath S, **Al-Maghrebi M** (2019). Deciding on the life and Death of Germ Cells by the DNA Damage Response (DDR) Signalling Pathways, Best Poster for Graduate Students, 12th Annual Student Research Poster Day 2019, Faculty of Allied Health Sciences, May 15, 2019.
14. Al-Saleh F, Pattillath S, **Al-Maghrebi M** (2019). Oxidative Stress-induced Germ Cell Apoptosis: The NOX-ER Stress Connection, 12th Annual Student Research Poster Day, Faculty of Allied Health Sciences, May 15, 2019.
15. Mohammad FF, Pattillath S, **Al-Maghrebi M** (2019). Mitochondrial Dysfunction Contributes to Germ Cell Apoptosis via the JNK/Survivin/p53 Pathway, 12th Annual Student Research Poster Day, Faculty of Allied Health Sciences, May 15, 2019.
16. Al-Kandari N, Pattilath S, **Al-Maghrebi M** (2019). Germ Cell Apoptosis: Interplay between the Thioredoxin System and the ASK1/Trx/Txnip/JNK signaling pathway, 12th Annual Student Research Poster Day, Faculty of Allied Health Sciences, May 15, 2019.

CONTRIBUTION:-

(a) Participation in Ministry/Government Activities

None

(b) Offices Held in Professional Organizations

M. Alkhalaf

Executive Member, Middle East Association for Cancer Research.

(c) Advisory Editor Services for Professional Journals**Editorial Services****I.Khan**

1. Member, Editorial Board, World Journal of Gastroenterology
2. Member, Editorial Board, Global Journal of Human Anatomy & Physiology Research
3. Member, Editorial Board, Pharmaceutical analysis

L. Benov

1. Editor, Medical Principles and Practice.

M. Alkhalaf

1. Member, Editorial Board, Archives of Medical Research
2. Member, Editorial Board, Clinical Cancer Investigation Journal
3. Member, International reviewers' panel, Journal of Molecular and Genetic Medicine
4. Member, International Reviewers Board, Journal of Pediatric Neurology
5. Member, Editorial Board, Molecular and Cellular Oncology

M. Al-Maghrebi

1. Member, Editorial Board, International Journal of Biochemistry and Molecular Biology Research
2. Member, Editorial Board, Journal of Genital Systems and Disorders
3. Member, Editorial Board, SL-Urology.

F. Thameem

1. Member, PLOS ONE
2. Member, Journal of Diabetes Research
3. Member, Diabetes Research and Treatments
4. Member, Advances in Diabetes and Metabolism

A. Al-Jarallah

1. Member, American Heart Association
2. Member, European Atherosclerosis Society
3. Member, Canadian National Proteomics Network
4. Member, The American Society of Biochemistry and Molecular Biology

Referee Services**I. Khan**

1. Biochemical Pharmacology
2. Chemical Engineering and Processing: Process Intensification
3. Current Protein and Peptide Science
4. Dig Dis Sci
5. Gastroenterology
6. Gut

7. International Journal of Biological Macromolecules
8. Kuwait Medical Journal
9. KU Research Administration
10. Life Sciences
11. Medical Principles and Practice
12. Molecular & Cellular Biochemistry
13. PLoS One
14. Pakistan Journal of Pharmaceutical Sciences
15. Process Biochemistry
16. Scand J Gastroenterology
17. Saudi J Medicine
18. The European Journal of Pharmacology
19. World J Gastroenterology
20. Research Sector, Kuwait University

L. Benov

1. Current Pharmaceutical Biotechnology
2. Applied Microbiology and Biotechnology
3. Archives of Biochemistry and Biophysics
4. Biochimica Biophysica Acta
5. Experimental Cell Research

M. Alkhalaf

1. Reviewer, MPP
2. Reviewed 2 scientific books to be published by National Council for Culture, Arts and Letters
3. Grant Reviewer Services with Research Sector, Kuwait University

F. Thameem

1. Cardiovascular Diabetology
2. Diabetes

PLOS ONE

1. Journal of Diabetes Research
2. Medical Principles and Practice
3. Undergraduate Research Experience Program (UREP), Cycle 23, Qatar National Research
4. Fund, Qatar
5. Diabetes Action and Research and Education Foundation (DAREF), USA

(d) Active Participation in Professional Conferences

Academic Missions

I. Khan

1. 2019 ASBMB annual meeting held in conjunction with the Experimental Biology-2019 meeting, April 6-9, 2019, Orlando, USA.

M. Al-Maghrebi

2. 2019 ASBMB annual meeting held in conjunction with the Experimental Biology- 2019 meeting, April 6-9, 2019, Orlando, USA.

A. Al-Jarallah

3. 2019 ASBMB annual meeting held in conjunction with the Experimental Biology- 2019 meeting, April 6-9, 2019, Orlando, USA.

(e) Services for External Examinations Outside Kuwait**I. Khan**

1. Evaluation of PhD thesis entitled, “Studies on Conformational Changes and Aggregation of Human Lysozyme and Bovine α -Chemotrypsin A Under Different Conditions” by MD. Tauqir Alam, 2019 from Aligarh Muslim University, Aligarh, India.
2. Evaluation of PhD thesis entitled, “Phytomedicinal Approaches Against Cognitive Impairment and Mitochondrial Dysfunction in ICV-STZ Rat Model of Sporadic Dementia of Alzheimer’s Type (SDAT)” by MD Faraz Zafeer, 2019 from Aligarh Muslim University, Aligarh, India.

L. Benov

3. Evaluation of the Ph.D. thesis “Laser Spectroscopic Diagnosis of Photo Dynamic Therapy in Rats” by Huda Babiker submitted from the Cairo University, Egypt, 2019.

M. Alkhalaf

4. External Reviewer for Qatar University (QU) Grants.

(f) Contribution to Committees at the Faculty and Department Levels**I. Khan**

1. Chairman, Department of Biochemistry (2012-Present)
2. Chairman, Department Council (2012- present)
3. Chairman, Department Scholarship Committee (2012-Present)
4. Chairman, Department Appointment and Contract Renewal Committee (2012- Present)
5. Chairman, Faculty Examination Committee, Year 2 Phase-2 (2010-Present)
6. Coordinator, Foundation Block Curriculum, Phase-2 Year 2 (2010-Present)
7. Member, Board of Examiners, Faculty of Medicine (2010-present)
8. Member, Faculty Council (2012-present)
9. Member, Department Foundation Biochemistry Coordination Committee (2010-Present)
10. Member, GI Module Coordination Committee (2008-Present)
11. Member, Department Promotion Review Committee, Department of Medicine
12. Member, Higher Scientific Committee, Faculty of Medicine (2015-Present)

L. Benov

1. Coordinator, Departmental Research Committee
2. Member, Biochemistry M. Sc. Graduate Program Committee
3. Member, Department Foundation Biochemistry Committee
4. Member, Departmental Scholarship Committee

5. Member, Committee for Appointments and Contract Renewal
6. Member, FOM M. Sc. Biomedical Sciences Program Committee
7. Member, Phase II Examination Committee
8. Chair, Department Purchase Committee
9. Coordinator, Phase 1 Chemistry
10. Member, Phase 1 Program Committee
11. Member, Faculty Promotions Committee

M. Alkhalaf

1. Director, MSc Medical Biochemistry Program
2. Director, PhD Medical Biochemistry Programs
3. Member, Medical Research Cancer (MRC)
4. Member, Area Committee
5. Member, Department Foundation Biochemistry Committee
6. Member, Department Scholarship Committee
7. Member, Department Appointment and Contract Renewal Committee
8. Member, Departmental Council
9. Member, Department Examination Committee
10. Member, Department Research Committee
11. Member, Postgraduate Student Grievances Committee

J. D. Craik

1. Member, Area Committee
2. Member, Departmental Council
3. Coordinator, Department Examination Committee
4. Member, Departmental Foundation Biochemistry Committee
5. Departmental Representative, Respiratory system-based course Committee
6. Departmental Representative, Musculoskeletal system-based course Committee
7. Member, Phase 1 Program Committee
8. Coordinator, Phase 1 Program
9. Member, Phase 1 Examination Committee
10. Member, Phase 1 Chemistry Program Committee
11. Member, MSc Biomedical Sciences Graduate Program Committee
12. Member, Academic Accreditation Subcommittee on Student Policies

M. Al-Maghrebi

1. Member, Phase 1 Biology Course Coordination Committee.
2. Member, Course Committee for the Renal System (Departmental Representative)
3. Member, Course Committee for the Reproduction & Breast System (Departmental Representative)
4. Member, Department Council
5. Member, Departmental Foundation Biochemistry Committee
6. Member, Department Scholarship committee
7. Member, Biochemistry PhD program
8. Member, Biochemistry MSc program
9. Member, Biochemistry Research Committee

10. Member, Adhoc committee for recruitment

F. Thameem

1. Course coordinator, Biochemistry of Disease (#540-564; 3 Credit Hrs)
2. Course coordinator, Biochemical Techniques II (#540-561; 3 Credit Hrs)
3. Course coordinator, Advanced topics in molecular biology-I (540-611; 1 Credit Hr)
4. Member, Exam committee, Faculty of Medicine
5. Member, Academic Accreditation Unit, Faculty of Medicine
6. Member, Medical Biochemistry Graduate Program, Faculty of Medicine
7. Member, M.Sc. Molecular biology, Faculty of Science
8. Member, Department Scholarship Committee
9. Member, Department Research Coordination Committee
10. Member, Departmental Council
11. Member, Year 1 Biology Course Committee
12. Departmental representative, Adv. Cell biology course (#2050-507), Faculty of Science
13. Departmental representative, Infection and Immunology module
14. Departmental representative, Blood and Lymph system module
15. Departmental representative, Endocrinology module
16. Departmental representative, Nervous system module

A. Al-Jarallah

1. Member, Department Council
2. Member, Department Examination Committee
3. Member, Department Foundation Biochemistry Committee
4. Member, Department Purchase Committee
5. Member, Department Research Coordination Committee
6. Member, Graduate Program Committee
7. Member, Scientific Advisory Committee, Faculty of Medicine
8. Departmental Coordinator of the Cardiovascular Module
9. Departmental Coordinator of Phase-2 Year-2
10. Member, Phase-2 Year-2 Faculty of Medicine Examination Committee
11. Member, RCF/OMICS Technical Committee
12. Member, Faculty of Medicine Animal Ethics Committee
13. Member, HSC Poster Conference Committee
14. Member, Faculty of Medicine Staff-Student Consultative Committee

S. Alkafeef

1. Member, Departmental Council
2. Departmental Representative, Musculoskeletal System-Based Course Committee
3. Departmental Representative, Respiratory System-Based Course Committee

**(g) Contribution to Committees Outside the Faculty
(University / Health Science Center)**

L. Benov

1. Chairman, Faculty of Pharmacy Promotions Committee
2. Chief Judge, HSC Poster Conference

M. Alkhalaf

1. Director, Research Core Facility (RCF), Health Sciences Center.
2. Member, MSc Molecular Biology (Joint Degree) Graduate Program Committee, College of Graduate Studies, Kuwait University.
3. Member, Promotion Committee, Department of Pharmaceutics, Faculty of Pharmacy, Kuwait University.
4. Member, Postgraduate Student Grievances Committee, College of Graduate Studies, Kuwait University.

M. Al-Maghrebi

1. Member, Committee for the selection of Chairperson for the Department of Medical Laboratory Sciences, Faculty of Allied Health.
2. Member, Committee for the selection of Chairperson for the Department of Physical Therapy, Faculty of Allied Health.
3. Advisor, HSC Student Club.
4. Advisor, Kuwait University Medical Student Association (KUMSA).

A. Al-Jarallah

1. Member, Kuwait Heart Foundation-Food and Heart Committee

CONCLUSION**a) An Assessment of How Well the Department is Meeting its Objectives**

In this academic year the department has produced 6 research publications, and 5 abstract presentations in the international conferences with a financial support through several research grants which were funded by the Kuwait University Research Sector, KFAS and NIH (US). One student has graduated with MSc degree in the current academic year. In addition, the members have participated and contributed to various administrative and academic duties pertaining to the curriculum development and coordination etc. Thus the Department has been successful in achieving the objectives set-in for research, undergraduate and graduate teaching and administrative duties.

b) Plan for the future**Organize Examination Review in the Department**

Department Committees on an *ad hoc* basis critically review and assess the suitability of examination items before submitting to the Faculty Examination Committees. Our examination items are received very well by the examinee students.

PhD Program in Medical Biochemistry

The Department interviewed and approved three candidates to enroll in the PhD program for the academic year 2017-2018. However, due to sudden death of Dr Cheng, together with acute shortage of academic staff the program was shelved for one year and as a result these selected students are going to start their PhD course work starting from September, 2018 (academic year, 2018-2019).

c) Concluding remarks

In the current academic year, four research articles were published in peer reviewed scientific journals, and research findings were presented in several local and international conferences. Several research and MSc student grants are ongoing. One student has graduated with MSc degree, one has a favorable external report on the thesis and the remaining five students are at various stages of experimentation, thesis writing and submission. For the academic year, 2019-2020 the Graduate Program Committee has interviewed and approved two more candidates for admission in to the MSc Program in Medical Biochemistry. Due to shortage of academic staff, no new admission was approved for the PhD Program in Medical Biochemistry for the academic year, 2018-2019. However, the first batch of students (two) have completed their course work and are ready to embark on their thesis work. For an effective delivery of teaching at the undergraduate, graduate and post graduate levels at least three additional academic members at Associate - Full Professorial levels are required. Two Professorial positions were approved for recruitment who will complement the graduate and post-graduate teaching if approved by the University. One scholarship candidate is under training for his PhD degree and shall join after completion his PhD degree in the next 4 years as Assistant Professor.

In conclusion, despite a heavy teaching and administrative load, the Department has fully achieved objectives in teaching, research and administrative areas. Recruitment of additional academic and support staff is absolutely necessary to initiate and further enhance department capacity to participate in the extended academic programs in the Faculty of Medicine. In this academic year, one academic member, Dr J Craik, has resigned. The two lab technicians who also resigned have been replaced by two new recruitments.

**COMMUNITY MEDICINE &
BEHAVIORAL SCIENCES**

INTRODUCTION

The Department of Community Medicine and Behavioural Sciences embraces the major disciplines of Epidemiology, Demography, Psychology, Sociology and Biostatistics that enable us to understand how psychological, social and demographic variables influence health. Other complementary fields of expertise, essential for fulfilment of the Department's mission, include Medical Ethics, Health Promotion and Education, Health Economics, Occupational and Environmental Health, Health Policy and Management and Communication Skills.

Community Medicine, also known as Public Health Medicine, aims to prevent disease, prolong life, and promote health through the organized efforts of society. It relies mainly on Epidemiology and Biostatistics as its basic science disciplines. Understanding key epidemiological and statistical concepts, principles and methods is necessary for comprehending health needs in the community, perceiving the interplay of risk factors, conceptualizing and implementing preventive and control measures, as well as evaluating the effects of intervention programmes.

These epidemiologic and statistical principles are also applied clinically since they enable physicians to read, interpret and apply the medical literature to clinical practice, and by enabling physicians to improve the clinical care of patients through the concepts of evidence-based medicine. Since the community is a real "human laboratory" for epidemiology and public health, a significant part of teaching is organized outside the classroom, in the "real life" situations of a community-based research project. Also emphasized are the basic concepts and methods of prevention, public health, health education and health promotion, global health and occupational and environmental health.

The Behavioural Sciences enable medical students to acquire a better understanding of themselves and others and, more specifically, to understand the psychological and socio-demographic factors that are determinants of health and disease. Psychology helps us to understand the mental processes of perception, learning, memory, attention, motivation, emotion, development and aging in individuals; as well as providing a basic knowledge of how people differ in terms of personality, temperament and cognitive performance. Sociology and Demography take us beyond the study of individuals to provide an understanding of the organisation, behaviour and interaction of groups in a social context.

Together Psychology and Sociology have a bearing on all aspects of human behaviour, including the quality of communication between patients and physicians in the context of the prevention, incidence, prevalence, manifestation, diagnosis, treatment and prognosis of disease. Health-promoting behaviours and discouraging illness-promoting behaviours are determined by a complex interaction of genetic and environmental factors and by different cultural patterns. Thus, an understanding of individual and group differences in human behaviour, and its application to

patient care by the physician, facilitates early diagnosis and effective treatment in the promotion of health and prevention of illness.

Broad Objectives

To provide medical students with knowledge and skills necessary to define, understand and address biopsychosocial determinants of health and disease at the individual and the community levels, thus preparing the graduating physicians to act as holistic primary health care practitioners; as investigative researchers in health related issues; as key partners in Health education and promotion, disease prevention; and as informed users of the medical literature.

Specific Learning Objectives

At the completion of the Community Medicine and Behavioural Sciences courses the graduating students should be able to satisfy the following cognitive and competency based objectives.

Cognitive Objectives

- To understand the mental processes of perception, learning, memory, attention, motivation, emotion, development and aging in individuals as well as the medical relevance of these processes.
- To know how people, differ in terms of personality, temperament and cognitive performance and to have some understanding of how this influences human interactions in general and the patient-physician interaction in particular.
- To be familiar with the behavioural, demographic, ecological, economic, cultural and psychosocial determinants of health and disease.
- To understand the concepts, measures and distribution of health and disease in human populations.
- To be familiar with the principles of prevention of the most prevalent health problems of communities.
- To know the primary epidemiologic study designs and methods of statistical analysis, their uses, and their limitations, including potential sources of wrong inferences and errors.
- To understand the basic structures and processes of the health care system in Kuwait and elsewhere as well as the elements of health administration and management.
- To be able to describe the foundation concepts of prevention, Health education and Promotion, public health, occupational and environmental health.
- To understand the basic concepts and principles of medical ethics.

Competency Objectives

- To be able to draw on a broad understanding of the basic behavioural sciences and the principles of medical ethics in order to address health care issues and to enhance clinical practice.
- To communicate effectively and appropriately with the patient and his/her family.
- To be able to propose plans and means for behavioural changes towards optimal health.

- To use quantitative statistical methods and computer technology for analysis and interpretation of health-related data.
- To be able to address a public health problem by designing and conducting a field investigation, suggesting adequate measures, and preparing results for oral and written presentation.

Curriculum enhancement and development

Activities undertaken for accreditation process in preparing self-evaluation document: collection & submission to VDA Office of the evidence for review to the curriculum undertaken

During the period under consideration, Prof. Saeed Akhtar served as a member of FOM - Self-Evaluation Committee and acted as a Chairman, of Sub-Committee on Standard 7- Programme Evaluation. they developed a report on Standard 7 for FOM-Self-Evaluation Report, submitted and presented in a curriculum review workshop on 3rd April, 2019 held at FOM. Our report on Standard 7 is a part of overall FOM-Self-Evaluation Report to be submitted to concerned quarters for FOM accreditation by the World Federation on Medical Education.

CONTRIBUTIONS TO THE MEDICAL CURRICULUM

Phase I

1. Introduction to Computers

A course on “Introduction to Computers” was taught to Health Sciences Centre (HSC) students (Medical, Pharmacy & Dentistry) in the first semester pre-professional program. In medical education, information and communication technology (ICT) knowledge and skills have become a necessity and an integral part of preparing tomorrow’s doctors to be sufficiently competent to utilise the varied informatics resources effectively and efficiently for the best learning of medicine. This course aims to teach students the basic informatics skills that are widely applicable throughout their education and professional life. The course covers the following topics: an overview of using computers in healthcare, mobile technology and health care delivery, the information hierarchy of health information system, online medical resources and medical information retrieval, in addition to the use of Microsoft Office programs, which are offered online to the students via the electronic resources of Kuwait University. The course intends to support life-long learning process with the ultimate goal to make the students aware of how to use the medical information resources in the HSC.

2. Biostatistics and Basic Epidemiology

Biostatistics and Basic Epidemiology (BBE) was taught to first-year HSC students in their second semester as part of the pre-professional curriculum. The BBE course offers a total of 52 student contact hours over a period of 14 weeks. The course has two components: Biostatistics (60%) and Epidemiology (40%). Emphasis in this course is placed on bringing the HSC students to appreciate the relevance and role of Biostatistics and Epidemiology in clinical medicine. The course involves training students to process relevant medical data sets using computer software packages in computer sessions. In addition, the course provides the foundation epidemiological principles upon which both evidence-based medicine and the principles of public health are based. It focuses on concepts, limitations, proper use, validity and assumptions underlying

various biostatistical and epidemiological methods, rather than on mathematical derivations or formulae, in order to prepare students for the critical appraisal of clinical evidence and evidence based clinical practice that are taught in later years.

Phase II

Phase II of the curriculum is a systems-based and problem-triggered curriculum with weekly cases. It runs from the second year through to the end of the fourth year, after which the more clinically-oriented Phase III begins. Phase II is organized according to four themes, including the Integrated Basic and Clinical Sciences (IBCS) Theme, Clinical Competence (CC) Theme, Professional Development (PD) Theme, and the Public Health (PH) Theme. The Department of Community Medicine contributes primarily to the IBCS, PH and PD Themes with contributions from the following disciplines and specialist fields:

Biostatistics
Communication Skills
Epidemiology
Health Education/Promotion
Medical Ethics
Psychology
Public Health
Sociology/Demography

1. Sociodemographics of Health and Illness

The overall objective of the Sociodemographics of Health and Illness (SDHI) course in the Phase II Foundation Block I module was to provide students with a knowledge of the major demographic and social factors in health and illness and it highlighted the role of various formal and informal institutions in health care and health maintenance. Specific emphasis was given to the health of special groups such as ethnic minorities, women, and those affected by socio-economic inequalities. Issues related to the changing roles of physicians in society were also discussed. Students were introduced to basic demographic concepts in population growth, aging, changing fertility, mortality and migration levels that help one understand the forces that determine the size and shape of a population that physicians serve. An effort was made to address the above issues within the context of Kuwaiti society while making comparisons with other countries to illustrate the major concepts.

2. Evidence-Based Medicine

The basic skills needed for critical appraisal of the literature and the practice of Evidence-Based Medicine were taught through a series of lectures and seminars in Years 3 and 4. The series begins with a review of the measures of disease frequency and association. Then, building on the broader overviews in the Year 1 BBE course, the material in Year 3 covers in depth the most common study designs (cross-sectional, case-control, cohort, and randomized trials), sources of error (random error, bias, and confounding), methods of control of the sources of error, and interpretation of study results. Seminars present relevant sections of real journal articles for the student to review and interpret. In Year 4, the students are required to synthesize all components

of the critical appraisal of whole journal articles, including case-control studies, cohort studies, and randomized trials.

3. *Epidemiology and Prevention*

This series of lectures, also delivered during Years 3 and 4, covers the Epidemiology and Prevention of the most important diseases within each system. Topics include the epidemiology and prevention of coronary artery disease, hypertension, stroke, asthma, COPD, occupational lung diseases, tuberculosis, lung cancer, pneumonia, thyroid diseases, diabetes, obesity, osteoarthritis, back pain, rheumatoid arthritis, systemic lupus erythematosus, viral hepatitis, colorectal cancer, end-stage renal disease, infectious diseases, and HIV. The focus of these deliveries is the global and local burden of disease, modifiable and non-modifiable risk factors for the disease, and evidence-based interventions for the primary, secondary, and tertiary prevention of the disease.

4. *Health Education and Health Promotion*

Health Promotion (HP) and Health Education (HE) in Phase II Foundation Block provide the students with the determinants of health and factors affecting health, the definition Health Education and Promotion, differences, and similarities between HP and HE, HE models, learning about health norms and their effects on the health of the individual which include expectation, differences between target and at risk populations, identification of health problem, promoting environmental health which include global health, HP at the workplace, HP against Ozone depletion, promoting the reduction of Carbon mono- and dioxide, the reduction of Green House Effect, promoting healthy eating habits especially in the reduction of obesity, prevention of smoking, addressing dangers to man's health, school and community HP and HE, the tailoring of presentations to each age group, the influence of television, policies for HP and HE, the avoidance of FAD diets, reduction of cholesterol, healthier food in school food shops and the avoidance of the Ketogenic Diet

5. *Psychology*

In the Phase II Foundation Block II module students were provided with a basic knowledge of the psychological processes of sensation, perception, learning, memory and cognition – as well as an understanding of human emotions, stress, and factors that influence motivation. There were also topics dealing with intellectual disability; with differences in cognitive abilities, personality and temperament; with the development of children; and with aging in the adult population. There were also topics dealing with abnormality, psychological disorders and their treatment. These lectures provide the basic knowledge of mental processes that is needed as a foundation for successful interaction with patients, for the specialized study of mental illness, and for the acquisition of knowledge concerning psychological aspects of specific disease processes. Additional psychology lectures and learning topics were provided in the Phase II Systems Modules that follow after Foundation Block II. These contributions give students an understanding of psychological factors that contribute to determination of the nature, cause, course, and exacerbation or mitigation of human diseases. It has been estimated that there is a psychological component in over 50% of all illnesses. It is also now recognized that practicing physicians need to be aware of the psychological and social factors in health and illness and that they need to have good communication skills. The Phase II psychology contributions provide a necessary foundation for the ultimate realization of these important outcomes.

6. *Communication Skills*

The teaching of Communication Skills began in Phase II and was continued in Phase III. This course is designed to introduce medical students to the factors influencing effective communication in patient care, and to give each student opportunities to practice effective communication skills in clinical interviews (e.g. nonverbal skills, empathy, listening skills, open-ended questioning, clarification, direction) in a supportive learning environment. These skills will help to enhance the physician's ability to gather information from patients, to educate patients about their illnesses, and improve the diagnostic process. The emphasis is on basic communication skills between the physician and patient and is intended to make the student proficient at the various tasks of interviewing. The course offers formal guidance strategies to medical students on how to respond to patient's emotions, as well as describing approaches to educate and motivate patients and demonstrating the need for training in psychosocial aspects of patient care. The course in Phase II is now being offered in year 2 as part of the clinical skills lab. The course has a didactic component as well as an opportunity to role-play with standardized patients. This, allows students to practice the principles of effective patient-doctor communication taught in the lectures.

7. *Ethics and Professionalism*

The Department has developed a special study content for Ethics and Professionalism. This is delivered in Phase II and III of the curriculum to introduce core principles and practice models of clinical ethics; and to increase the moral sensitivity of our students as they move into their substantive clinical experiences of the curriculum. The core curriculum in ethics and professionalism is delivered as an integral part of teaching in the systems modules. This system-centred delivery should enhance the students' appreciation that ethics are all-pervasive in the practice of medicine regardless of speciality. The core components delivery aims at exploring students' understanding of the complexity of medical practice with attention to ethical problems faced by the students themselves and to be made aware of the legal and regulatory requirements of their profession. In addition, introducing teaching in all of the nine systems modules of Phase II is designed to demonstrate to the students how to balance professional values with personal ones as they progress from second to fourth year of study. Interdisciplinary approach with invited visiting speakers is utilized to foster students' appreciation that a clinical ethical "problem" involves patients, health care professionals, families, ethics committees, courts and politicians. This appreciation requires a respectful awareness of the local context in all of its dimensions.

There is no single, best pedagogical approach for teaching medical ethics and professionalism and accordingly a more focused interaction with self-selected groups of students during elective courses in Patient Safety and Health Care Accreditation is introduced in Phase II and Phase III of the curriculum. This includes "flipped classroom" approach focusing on "learner-driven" reflective narratives about encountered case studies. In Phase III, teaching of Ethics and Professionalism aims to "move learners from knowledge acquisition and skills development to behaviour change in which excellent patient care and health care providers' satisfaction is the ultimate balanced goal.

Phase III

1. Community Medicine Rotation

The Community Medicine Rotation is a seven-week attachment for fifth-year medical students. Its mission is to grow medical students' attitudes, knowledge, and skills in the areas of prevention, public health, population health sciences, and research methods involving human participants; while encouraging the students to consider personal development of a leadership role in addressing health-related problems in Kuwait's communities. This rotation provided students with skills to *perceive* and *assess* health needs within Kuwait's communities, and provided them with an understanding of how such needs can best be addressed through public health and clinical interventions.

To accomplish this mission, the course covered the concepts, principles, and methods of Community Medicine; including completion of a community-based research project, with emphasis on its application within the global and local community, and its relevance to the physician's practice. Integral to the course were the nine Medical School Days that occurred throughout the year with a focus on various aspects of Community Medicine and Public Health. The CM rotation builds on teaching and learning that precedes it throughout Phases I and II by means of the integration and application of knowledge from the disciplines of social demography, epidemiology, biostatistics, psychology, health education, health systems, ethics and professionalism and evidence-based medicine.

The fifth year medical students completed the following research projects during their Community Medicine rotation in this academic year:

Tutor	S. No.	Title of Project
Dr. Abdullah Al Taiar	19.01	Hand Hygiene among Senior Medical Students: Knowledge, Attitude, and Practice
Dr. Joseph Longenecker	19.02	Knowledge, attitudes and practices regarding colorectal cancer screening in patients attending Kuwait Ministry of Health Primary Care Centers
Prof. Saeed Akhtar	19.03	Prevalence and Factors Associated with Self-Reported Physical Inactivity in the Working Population in Kuwait
Dr. Ahmed Albatineh	19.04	Prevalence and associated factors of quality of sleep among Hemodialysis patients in Kuwait. A multi-center study
Dr. Joseph Longenecker	19.05	Knowledge, Attitudes and Practices regarding consanguinity among Kuwaiti government employees
Dr. Reem Al Sabah	19.06	Knowledge, Attitude, and Practice Toward Blood Donation among a Working Population in Kuwait

Prof. Saeed Akhtar	19.07	Prevalence of and Factors Associated with Tobacco Smoking Among Employees of Various Ministries in Kuwait
Dr. Ali Buabbas	19.08	Knowledge, Attitudes and Practices of Female Physicians Towards Breast Cancer Screening in General Hospitals and Primary Health Care Centers in Kuwait
Dr. Ali Ziyab	19.09	The Burden of electronic Cigarettes Among Adolescents in Kuwait: A Cross Sectional Study
Dr. Abdullah Al Taiar	19.10	Compliance with Handy Hygiene Practices among Nursing Staff in Governmental Secondary Health care Hospitals in Kuwait
Dr. Naif Al Mutawa	19.11	Knowledge, Attitude and Practice of Seasonal Influenza Vaccine among Working Adults Age 21 and above in Kuwait
Dr. Ali Buabbas	19.12	Assessment of Public Satisfaction with Primary and Secondary Public Healthcare System in Kuwait

2. *Ethics and Professionalism III*

The Ethics and Professionalism teaching in Phase III develops and extends the educational process begun in Phase II. Contributions for ethics teaching in Phase III is provided on invitation basis only. Relevant ethics teaching is integrated in the clinical Medical School Days (MSD) in Medicine, Surgery, Pediatrics, Obstetrics & Gynecology, Psychiatry and Community Medicine when such opportunities exist.

CONTRIBUTIONS TO POSTGRADUATE TEACHING PROGRAMS

1. *M. Sc. Programs FOM*

Biostatistics and Computers in Medicine is a faculty-requirement course intended for all students joining the various M.Sc. programs in the Faculty of Medicine. The course has two components that focus on “biostatistics” and “computers”, respectively. The course takes into account the fact that enrolled students have different backgrounds and hence it includes a diversity of topics to meet their interests. It covers a number of advanced statistics topics such as analysis of variance, multiple linear regression, logistic regression, and design and analysis of controlled randomized trials. The computer component provides students with knowledge of relevant computer hardware and software.

2. *Master of Public Health program*

Department of Community Medicine & Behavioural Sciences has been offering its Master of Public Health program with the emphasis in Epidemiology & Biostatistics since 2013-2014. The Master of Public Health Program will recruit its sixth batch of expected 3-4 students for 2019-2020 academic year. The program aims to prepare students as academically qualified public health professionals, equipped with the knowledge and skills base needed for a career that effectively addresses public health challenges both nationally and internationally. The practicum course involves the MPH students in a planned, supervised and evaluated practice experience that combines public health knowledge and skills. This year most of the practicum students were placed in Ministry of Health facilities, Department of Public Health, infectious disease control, Social Health and Communicable diseases department. Three MPH students from batch 3 have almost completed their course work and will successfully complete the degree program. The other three MPH students from batch 3 will graduate next academic year 2019/2020.

Students who completed their capstone projects have presented their research at the 24th Health Sciences Centre Poster Conference held from 12-14 March, 2019. The new MPH proposal has been implemented successfully in September 2017 with the MPH fourth batch students.

MPH students completed the following Capstone Research Projects

Tutor	MPH Student	Title of Project
Dr. Joseph Longenecker	Rabiah Alruwayeh	Validation of In-Hospital Death Certificate in Kuwait Ministry of Health General Hospitals
Prof. Marawan Al Sharbati	Sana Alabdulrazzaq	A Five-Year Retrospective Study of Occupational Back Injuries Among Health-Insured Private Workers in Kuwait
Dr. Ahmed Albatineh	Hind Sakijha	Microbial Contamination Analysis of the Hands of Food Handlers in Kuwait Restaurants: a Cross Sectional Study
Dr. Mohammed Al-Khamis	Samah AlWattar	Energy Drinks Consumption Prevalence and Awareness Among Kuwait University Undergraduate Students
Prof. Syed Al Junid	Kholoud Sultan	Assessing Patient Safety Culture and Related Barriers in Ministry of Health Hospitals in Kuwait

3. *Master of Child Life program*

After approval of the Departmental Council, a proposal for a Master of Child Life (MCL) degree program was forwarded to the Area Committee of the Faculty of Postgraduate Studies for further processing. In March 2014, the College of Graduate Studies invited an external reviewer to evaluate the proposal. A second external reviewer was invited to evaluate the program in September 2015. The comments of both reviewers were received by the College of Graduate

Studies and shared with the Department The proposal was then revised to accommodate the comments of both reviewers, and submitted to the College of Graduate Studies. It was approved by the College Council in December 2015, and has been approved by the University Council. The MCL degree program will now replace the Child Life Diploma program that was earlier offered by the Department. Vigorous efforts are being made to recruit two Child Life specialists in order to begin the program in September 2018. However, due to the fact that child life is a relatively young discipline, there are limited numbers worldwide of certified child life specialists who also have PhDs and are of the rank of associate professor or professor. We faced great challenges in recruiting academic staff members who are also certified child life specialists. Many certified child life specialists in the US and Canada practice in hospital-based child life programs and very few have academic positions with a rank of associate or professor. Therefore, the Master of Child Life program is currently on hold until the academic positions are filled. In September 2018, a scholarship student joined a PhD program in the US and is expected to be certified in child life before joining our department.

MANPOWER

Faculty Members

Professor and Chairman

Dr. Adnan Abal, B.M., B.Ch. Am.B Int.Med., FRCP(C)

Professors

Dr. Saeed Akhtar, D.V.M., M.Sc., M.P.V.M., M.S., Ph.D.
Epidemiology

Associate Professors

Dr. Ahmed N. Albatineh, B.Sc., M.Sc. (Statistics), M.Sc. (Operations Research), Ph.D.
Biostatistics

Dr. Abdulwahab Al-Isa, B.Sc., M.Sc., Ph.D.
Obesity, Health Education and Promotion

Dr. Joseph Longenecker, M.D., M.P.H., Ph.D.
Epidemiology

Dr. Abdullah Al-Taiar, M.B.B.Ch., D.C.H., M.Sc., Ph.D.
Epidemiology

Assistant Professors

Dr. Manal Bouhaimed, B.Sc., M.B.Ch.B., M.Sc., Ph.D., F.R.C.S. (Ophth.)
Medical Ethics

Dr. Naif Al-Mutawa, B.A., M.A. (Clinical Psychology), M.A. (Organizational Psychology),
M.B.A., Ph.D.
Clinical Psychology

Dr. Reem Naif Al-Sabah, B.A., Ph.D.
Clinical Psychology

Dr. Ali Ziyab, B.Sc., M.Sc., Ph.D.
Epidemiology

Dr. Ali Buabbas, B.Sc., M.Sc., Ph.D.
Medical Informatics

Unfilled academic positions:

Biostatistics	2
Epidemiology	1
Management in Health Care	1
Health Economics	1
Occupation & Environment Health	1
Health Policy and Management	1
Sociology/ Demography	1
Child life Specialist	2
Medical Informatics	1
Public Health	1
Management in Health Care	1

Teaching Assistants

Ms. Manal Al-Kandari, B.Sc., M.Sc.
Mr. Abdullah Al-Majran, B.Sc., M.Sc.
Mr. Meshal Al-Sager, B.Sc., M.Sc.
Ms. Shaimaa Hussien, B.Sc., M.Sc (Secondment)

Clinical Tutors seconded from the Ministry of Health (2018-2019)

Dr. Ahmed Khedr Salim Al-Shatti, B.M.S., M.B.B.S., M.Sc., F.F.O.M.
Occupational Medicine

Dr. Mohamed Ibrahim Kamel, M.B.Ch.B., M.Sc., Ph.D.
Occupational Health

Dr. Wafaa Ali Shaban MD, MSc, PhD
Nutrition

Dr. Majeda Al-Qatten
Master of Public Health

External Examiner

Professor Mohammad Hossein Rahbar, PhD
Professor of Epidemiology, Biostatistics, and Clinical & Translational Sciences
The University of Texas School of Public Health at Houston
Director, Division of Clinical and Translational Sciences
Department of Internal Medicine, Medical School
Director, Biostatistics/Epidemiology/Research Design (BERD) Core
Centre for Clinical and Translational Sciences
The University of Texas Health Science Centre at Houston

Professor Anwar T Merchant, Scd, Mph, Dmd
Department of Epidemiology and Biostatistics
Arnold School of Public Health
University of South Carolina, USA

MPH students

Ms. Kholoud Sultan
Ms. Sana Alabdulrazzaq
Ms. Samah Yousef AlWattar
Ms. Rabiah Abdulaziz Alruwayeh

Scientific Assistant

Mrs. Ajitha Suresh, B.Sc., M.Sc.

Chief Technician

Dr. Mumtaz Shukkur, B.Sc., M.Sc., Postgrad.Dip.H.E., Ph.D.

Technician

Ms. Abrar Husain, B.Sc.
Dr. Susan Jacob, B.Sc., M.Sc., B.Ed., Ph.D.

Secretarial Staff

Mr. Ahmed Morsy, B.A

Staff Changes

Staff who left the Department

Academic Staff

Prof. Nasra Shah, B.A., M.A., Sc.D.
Demography

Dr. Hanan El-Sayed Badr, M.D., M.P.H., Dr.P.H.
Public Health

Teaching Assistant

Ms. Anwar H. Al-Baloul, B.Sc., M.Sc. (Scholarship)

Technicians

Dr. Nardine Edward Tadros, M.B.B.Ch., M.D.

TEACHING IN THE DEPARTMENT'S PROGRAM**I. Faculty of Medicine***a) Undergraduate teaching*

Lectures:	241.75
Learning Topics:	21.00
Electives:	128.00
Workshops:	840.00
Tutorials/Seminars:	111.75
PBL & Lab practical	14.00
Total teaching hours given to students per year:	<hr/> 1356.50

Course Coordinators:

Prof. Adnan Abal	Research Protocol Design, Master of Public Health, Year 1, Semester II Capstone Project, Master of Public Health, Year 2, Semester I Practicum, Master of Public Health, Year 2, Semester II.
Prof. Saeed Akhtar	Epidemiology II – 2018-2019- Semester II
Dr. Abdulwahab N. Al-Isa	Endocrine system, Health Promotion and Health Education, Phase II Foundation Block, Health Promotion and Health Education, year 2 (Learning Topics)
Dr. J. C. Longenecker	Evidence Based Medicine Skills (EBM), Phase II

	Epidemiology/Prevention, Phase II (Coordinator) Clinical Epidemiology
Dr. Abdullah Al-Taïar	Epidemiology-I, Master of Public Health, Year 1, Semester I
Dr. Ahmed N. Albatineh	Biostatistics and Computer in Medicine (MSc Graduate level course: (2 CR). Biostatistics I (MPH graduate level course: (3 CR). Biostatistics for Community Medicine Phase III 5th year MD (Three rotations). Biostatistics II (MPH graduate level course: (3 CR). Biostatistics and Basic Epidemiology (course coordinator). Sample Survey Design (MPH graduate level course: (2 CR).
Dr. Manal Bouhaimed	Patient Safety: Better Knowledge for Safer Care (Elective), Phase II Ethics in Public Health, Master of Public Health, Year 1, Semester II Ethics & Professionalism, Phase II & Phase III
Dr. Naif Al-Mutawa	Psychology (System Blocks), Phase II
Dr. Reem Al-Sabah	Communications & Interviewing Skills, Phase II & III Departmental coordinator, Phase II
Dr. Ali Ziyab	Biostatistics and Basic Epidemiology, Phase I (Epidemiology part) Community Medicine Course Coordinator [Starting from Feb. 2019]
Dr. Ali Buabbas	Computers in Medicine (phase 1, compulsory module) Telemedicine and Mobile Applications (phase 2, elective module)

b) Graduate Teaching

Lectures:	285.00
Workshops:	403.00
Tutorials/Seminars:	67.50
Total teaching hours given to students per year:	<hr/> 755.50

Program Director:

Prof. Saeed Akhtar

Master of Public Health Program

2. Other Faculties

Faculty of Allied Health Sciences

Psychology (220) is delivered to students of the Faculty of Allied Health Sciences with a total of 44 lecture hours that includes basic psychology as well as health-related psychology topics. Dr. Reem Al-Sabah is the Course Coordinator.

Faculty of Dentistry

Dentistry students participate with medical students in all courses taught by the Department throughout Phase II.

RESEARCH AND PUBLICATIONS

The Department has been actively involved in research in various areas. It also offers advice and research assistance to other members of the Health Sciences Centre and the Ministry of Health.

Part of the Department's research effort relates to common diseases in Kuwait. This research includes studies of diabetes, obesity, psycho-social aspects of aging and nutritional problems. Some of these studies involve international collaboration with international world institutions. Other areas of interest include workforce needs for health professionals in Kuwait, family health, school health, prevalence of diabetes retinopathy, and heart rate variability. Studies are being conducted on the quality of routinely collected vital events data. Research is also being conducted on demographic factors affecting the Kuwaiti population, especially in terms of international migration, socio-economic factors affecting Kuwait's demographic structure, and psychosocial factors related to aging of Kuwaiti population.

Funded Research Projects

1. Co-Investigator ((with Dr. Abdullah Al-Taiar): Maternal serum 25-hydroxyvitamin D level in relation to pregnancy and child health outcomes in Kuwait. Funded by Kuwait University Research Sector, 2016, **Akhtar, S.**
2. "Estimation of salt intake assessed by 24 hour urinary sodium excretion in the adult Kuwaiti population"; Principal Investigator: Nawal Al-Hamad; Co-Investigators: **Longenecker, J**, Tuomilehto J, Al-Watayan R, Al-Ozairi E.; Funding Institution: Kuwait Foundation of the Advancement of Sciences. Total direct costs (KFAS Contribution): 72,835KD; Status: Funded, and research process initiated.
3. "Renal Function in the Kuwaiti Adult Population: Prevalence of Chronic Kidney Disease and Associated Factors" Principal Investigator: **Joseph C. Longenecker**; Co-Investigators: Al-Hamad N; Tuomilehto J; Al-Watayan R; Al-Ozairi E.; Funding

Institution: Kuwait Foundation of the Advancement of Sciences. Funding Period: 9/2018 – 8/2021; Total direct costs (KFAS Contribution): 81,649 KD. Status, Funded, and research process initiated

4. Association of Vitamin D Levels with Cognitive Function and School Performance in School Children in Kuwait, Kuwait University, Project ID: WF02/13 -2013- Co-Investigator **Al-Taïar A.** Ongoing
5. Kuwait Birth Cohort Study: Maternal vitamin D level in relation to neonatal infections and child health outcomes, Kuwait University, Project ID: MC01/15- 2015- Principal Investigator **Al-Taïar A.** Ongoing
6. Role of Carnitine and Amino-Acids in the Etiopathogenesis of Type I Diabetes in the Experimental NOD Mouse Model, Kuwait University, Project ID: RM02/15- Co-Investigator **Al-Taïar A.** To be implemented.
7. Understanding the biochemical and genetic role of ANGPTL8/betatrophin in obesity and Vitamin D metabolism in school children in Kuwait, Kuwait Foundation for the Advancement of Sciences, Project ID: RA HM-2017-026- Co-Investigator **Al-Taïar A.** To be implemented
8. Human Papillomavirus Distribution in Skin Warts in Kuwait (Project No. NM01/12), Project Duration 2 Years, Amount 19,900 KD, Role (Co-I) **Albatineh, A** Staus (Ongoing),
9. Vitamin D level, refractive errors and colour vision among school children in middle schools in Kuwait, **Bouhaimed M**
10. Assessment of Persistent Organic Pollutants (POPs) in Human Breast Milk in Countries of the West Asian region of the Stockholm Convention, **Bouhaimed M**
11. Kuwait Birth Cohort Study: Maternal vitamin D level in relation to neonatal infections and child health outcomes. Funding Agency: Kuwait University, Project ID: MC01/15 2015 On-going **Al-Sabah, R.** (Co-investigator)
12. Association of Vitamin D levels with cognitive function and school performance in school children in Kuwait. Funding Agency: Kuwait University, Project ID: WF02/13 - 2013. Completed **Al-Sabah, R.** (Co-investigator)

13. Understanding the biochemical and genetic role of ANGPTL8/betatrophin in obesity and Vitamin D metabolism in school children in Kuwait. Funding Agency: Kuwait Foundation for the Advancement of Sciences, Project ID: RA HM-2017-026 Implemented. **Al-Sabah, R.** (Co-investigator)
14. Genetics of Eczema in Kuwait Principal Investigator: **Ziyab, AH**
Co-Investigators: Yaser Ali, John W. Holloway, Wilfried Karmaus, Hongmei Zhang Co-Funding Institutes: Kuwait Foundation for the Advancement of Sciences,
Project #: P115-13MC-05, KD 48,868 (~\$161,000)
Kuwait University, Project #: MC 01/16, KD 13,200 (~ \$43,300)
Current Status: Ongoing (Sept. 2016 – Aug. 2019) Outcome: One original research article has been published
15. Prevalence and determinants of allergic disorders among University students in Kuwait Principal Investigator: **Ziyab, AH.** Co-Investigators: None.
Funding Institute: Kuwait University, Project #: ZM01/15, KD 2,000 (~ \$6,600)
Current Status: Completed (Apr. 2015 – Mar. 2016).
Outcome: Two original research articles have been published
16. Maternal vitamin D level in relation to neonatal infections and child health outcomes Principal Investigator: Abdullah Al-Taiar
Co-Investigators: **Ziyab, AH** Majeda Hammoud, Saeed Akhtar, Reem Al-Sabah.
Funding Institute: Kuwait University, Project #: MC 01/15, KD 70,490 (~ \$231,800)
Current Status: Ongoing (Apr. 2017 – Mar. 2020).
17. A study of the determinants and prevalence of chronic obstructive pulmonary disease in the Kuwaiti population, Principal Investigator: Sana S. Al Mutair
Co-Investigators: **Ziyab, AH** Olusegun Mojiminiyi, Alia Al-Alawi, Huda Al-Duwaisan, Saddeeqah Bu-Alyan, Funding Institute: Kuwait Foundation for the Advancement of Sciences, Project #: PR17- 13MM-05, KD 49,708 (~ \$163,500)
Current Status: Ongoing (Apr. 2018 – Mar. 2021).
18. **Buabbas, A. J., et al.** The detrimental impact of smartphones 'over-use on school students in Kuwait: A quantitative cross-sectional study.
19. **Buabbas, A. J., et al.** The parents 'perspectives on smartphones 'over-use on school students in Kuwait: A qualitative study.

Unfunded Research Projects

1. Al-Mutairi B, Al-Bader D, Al-Yaseen D, Khalaf J, Alkandari M, Irschied S, Awad S, Adullah Z, **Akhtar S** Prevalence and Factors Associated with Self-Reported Physical Inactivity in the Working Population in Kuwait. 2018

2. AlMutairi A, Soliman D, AlShammari K, AlHubaidah M, AlMayofi M, AlMutairi M, AlAkram S, AlDaihani S, AlKhudher S, **Akhtar S**. Prevalence of and Factors Associated with Tobacco Smoking Among Employees of Various Ministries in Kuwait. 2018
3. **Nourah Al-Sheridah, Akhtar S**. 2018. A case-control study of risk factors for colorectal cancer in Kuwait (completed)
4. Surgical site infection after gastrointestinal surgery in Kuwait: a prospective national study, **Bouhaimed M**
5. Kuwait National Hospital Accreditation: Perception of Healthcare Providers, **Bouhaimed M**
6. Patient Waiting Time and Satisfaction in Kuwait's Outpatient Clinics, **Bouhaimed M**
7. Knowledge and Attitudes Regarding Infertility among Selected Adult Population in Kuwait, **Bouhaimed M**
8. Patients' Preference for Physician Gender in Kuwait, **Bouhaimed M**
9. Work-life Balance among Physicians in Kuwait, **Bouhaimed M**
10. Perception of Incentives among Physicians in Kuwait, **Bouhaimed M**
11. Attitudes and Experiences Regarding Disclosing Errors to Patients amongst Physicians, **Bouhaimed M**
12. Selection Criteria of Paediatric Residents in Kuwait, **Bouhaimed M**
13. Factors Influencing Specialty Choice among Residents in Kuwait, **Bouhaimed M**
14. Attitudes of Physicians in Kuwait towards the Policies of Jaber Hospital, **Bouhaimed M**
15. Health Practices of Physicians in Kuwait, **Bouhaimed M**
16. Work Satisfaction among Physicians in Kuwait, **Bouhaimed M**
17. Primary Care Physician's Knowledge, attitudes, and Behaviours towards Antimicrobial Prescription in Kuwait, **Bouhaimed M**
18. Professionalism in Medicine: Results of a National Survey of Residents in Kuwait, **Bouhaimed M**
19. Nephrologists' and Transplant Surgeons' Perceptions and Attitudes about Rewards and Compensation for Kidney Donation in Kuwait, **Bouhaimed M**
20. Anxiety and Depression among Physicians in Kuwait, **Bouhaimed M**

21. Kuwait University Medical Student Attitudes' on Social Media Use in Medicine, **Bouhaimed M**
22. Medical Student Empathy in Kuwait, **Bouhaimed M**
23. Clinical Year Medical Students' Approaches to Learning in Kuwait, **Bouhaimed M**
24. Attitudes of Medical Students in Kuwait towards Healthcare Delivery to Expats in Kuwait, **Bouhaimed M**
25. Medical Students Attitudes towards Psychiatry as a Specialty and Career Choice in Kuwait, **Bouhaimed M**
26. The Motivations, Personalities, and Expectations of Medical Students in Kuwait, **Bouhaimed M**
27. Perception of Negative Teaching Methods by Clinical Tutors in Kuwait, **Bouhaimed M**
28. Attitudes and Barriers to Research among Medical Students in Kuwait, **Bouhaimed M**
29. **Buabbas, A. J.**, Alsaleh, F. M., Al-Shawaf, H. M., Abdullah, A., & Almajran, A. (2018). The readiness of hospital pharmacists in Kuwait to practise evidence-based medicine: a cross-sectional study. *BMC Medical Informatics and Decision Making*, 18, 4. <http://doi.org/10.1186/s12911-018-0585-y>.
30. Aldosari, S., **Buabbas, A. J.** et al. Surgeons perceptions on Robotic-Assisted Surgery in Kuwait (Writing up stage)
31. **Buabbas, A. J.**, Aldosari, S. et al. Public perceptions about Robotic-Assisted Surgery in Kuwait (Writing up stage).
32. **Buabbas A.**, Alshawaf H., Almotawa F. The role of smartphone technology on dermatology practice in Kuwait. (Submitted to BMC Medical Informatics and Decision Making Journal).

Research (Proposal submitted; Funding pending)

1. "Kuwait National Survey of Non-Communicable Diseases and their Risk Factors: A WHO STEPwise Approach to Surveillance (STEPS) Study, 2019" Principal Investigator: Al-Watiyan R; Co-Principal Investigator: **Joseph C. Longenecker**; Co-Investigators: Al-Duwairi Q, Al-Ozairi E, Alali W, Tolma E; Funding Institution: Kuwait Foundation of the Advancement of Sciences. Total requested direct costs (KFAS Contribution): KD141,149. Status, submitted to KFAS.

2. Impact of the Multi-Gene Next Generation Sequencing Assay on a Variety of Diagnoses of Thyroid Nodules (Project No. PR1713MM08) (Submitted). **Albatineh, Ahmed**

Publications

Published Articles

1. Alsheridah N, **Akhtar S**. Diet, obesity and colorectal carcinoma risk: results from a national cancer registry-based middle-eastern study. *BMC Cancer* 2018; 18:1227
2. Abdulrasool M, Al-Shanfari S, Boosalayan H, Boujarwa A, Al-Mukaimi A, Alkandery O, **Akhtar S***. Exposure to environmental tobacco smoke and prevalence of atopic dermatitis among adolescents in Kuwait. *Dermatology* 2018; 234 (5-6): 186-191.
3. Al-Taïar A, AlKhabbaz M, Rahman A, Al-Sabah R, Shaban L, **Akhtar S**. Plasma 25-Hydroxy Vitamin D is not Associated with Acne Vulgaris. *Nutrients* 2018; 10(10). pii: E1525
4. **Al-Isa A**, Jennifer Campbell, Ediriweera Desapriya, and Namal Wijesinghe, Factors associated with eating habits of Kuwaiti college women, doi:10.1155/2011/512363
5. **Al-Isa A**, Factors associated with obesity among Kuwaiti college women, DOI:10.1177/026010609801200403
6. Alkandari A, **Longenecker JC**, Barengo NC, Alkhatib A, Weiderpass E, Al-Wotayan R, Al-Duwairi Q, Tuomilehto J. The prevalence of pre-diabetes and diabetes in the Kuwaiti adult population in 2014. *Diabetes Research and Clinical Practice*. 2018 Aug; 144:213-223.
7. Al-Mathkoori R, Albatineh A, Al-Shatti M, **Al-Taïar A***. Is age of menarche among school girls related to breastfeeding during infancy? *American Journal of Human Biology*. 2018. doi: 10.1002/ajhb.23122.
8. **Al-Taïar A**, Rahman A, Al-Sabah R, Shaban L, Al-Harbi A. Vitamin D Status among Adolescents in Kuwait: A cross-sectional Study. *BMJ Open*. 2018, 1; 8(7):e021401. doi: 10.1136/bmjopen-2017-021401.
9. Rahman A, **Al-Taïar A**, Shaban L, Al-Sabah R, Al-Harbi A, Mojimini S. 25-Hydroxy vitamin D is not associated with either cognitive function or academic performance in adolescents. *Nutrients*. 2018 Sep 1;10(9). pii: E1197. doi: 10.3390/nu10091197.
10. **Al-Taïar A***, AlKhabbaz M, Rahman A, Al-Sabah A, Shaban L, Akhtar S. Plasma 25-Hydroxy Vitamin D is not associated with Acne Vulgaris. *Nutrients*. 2018 Oct 17;10(10). pii: E1525. doi: 10.3390/nu10101525.

11. Akbar F, AlBesharah M, Al-Baghli J, Bulbul F, Mohammad D, Qadoura B, **Al-Taïar A***. Prevalence of low Back pain among adolescents in relation to the weight of school bags. *BMC Musculoskeletal Disorders*. 2019 Jan 22;20(1):37. doi: 10.1186/s12891-019-2398-2.
12. Al-Matouq S, Al-Mutairi H, Abdulaziz F, Al-Mutairi O, Al-Enzi M, Al-Basri D, **Al-Taïar A***. Dysmenorrhea among High-school Students and its Associated Factors in Kuwait. *BMC Pediatr*. 2019 Mar 18;19(1):80. doi: 10.1186/s12887-019-1442-6
13. **Albatineh, Ahmed N.**, Wilcox, Meredith L., Zogheib, Bashar, Niewiadomska-Bugaj, Magdalena, (2019), How Many Clusters Exist? Answer via Maximum Clustering Similarity Implemented in R, *Biostatistics and Epidemiology Journal*, (Accepted: in press).
14. Rana Al-Awadhi, Nawaf Al-Mutairi, **Ahmed N. Albatineh**, Wassim Chehadeh, (2019), Association of HPV Genotypes with External Anogenital Warts: A Cross Sectional Study, *BMC: Infectious Diseases Journal*, (Accepted: in press)}.
15. Mahdiah Sedighi Pashaki, Tayebah Eghbali, Seyed Hassan Niksima, **Ahmed N. Albatineh**, Reza Ghanei Gheshlagh, (2019), Health Literacy among Iranian Patients with Type 2 Diabetes: A Systematic Review and Meta-Analysis, *Diabetes & Metabolic Syndrome: Clinical Research & Reviews*, Volume 13(2):341-1345.
16. Boubakari, Ibrahimou, **Albatineh, Ahmed N.**, (2019), Predictors of quality of life among peritoneal dialysis patients with end-stage renal disease in Kuwait, *Peritoneal Dialysis International*, Volume 39: Pages 180-182.
17. **Albatineh, Ahmed N.**, Wilcox, Meredith L., Zogheib, Bashar, Kibria, B.M. Golam, (2018), Improved confidence interval estimation of the population standard deviation using ranked set sampling, *Journal of Biostatistics and Epidemiology*, Volume 4(3), Pages 55-65.
18. Khalid Al Sebeih, Jumana Hussain, **Ahmed N. Albatineh**, (2018), Postoperative Complications following Tonsil and Adenoid Removal in Kuwaiti Children: A Retrospective Study, *Annals of Medicine and Surgery*, Volume 35, Pages 124-128.
19. **Al-Mutawa N**, Schuilenberg SJ, Justine R² Kulsoom Taher S, Modesty, Objectification, and Disordered Eating Patterns-A Comparative Study Between Veiled and Non-Veiled Muslim Women Residing in Kuwait.
20. Al-Taïar A, Rahman A, **Al-Sabah R**, Shaban L, Al-Harbi A. Vitamin D Status among Adolescents in Kuwait: A cross-sectional Study. *BMJ Open*. 2018, 1; 8(7):e021401. doi: 10.1136/bmjopen-2017-021401.
21. Rahman A, Al-Taïar A, Shaban L, **Al-Sabah R**, Al-Harbi A, Mojimini S. 25-Hydroxy vitamin D is not associated with either cognitive function or academic performance in adolescents. *Nutrients*. 2018 Sep 1;10(9). pii: E1197. doi: 10.3390/nu10091197.

22. Al-Taiar A, AlKhabbaz M, Rahman A, **Al-Sabah R**, Shaban L, Akhtar S. Plasma 25-Hydroxy Vitamin D is not associated with Acne Vulgaris. *Nutrients*. 2018 Oct 17;10(10). pii: E1525. doi: 10.3390/nu10101525.
23. **Al-Sabah R**, Al-Taiar A, Shaban L, Rahman A. Predictors of Cognitive Function among Adolescents in a High Income Setting. In peer review.
24. AlKhabbaz M, Al-Taiar A, Saeed M, **Al-Sabah R**, Albatineh A. The Burden of Acne Vulgaris among Adolescents in Kuwait. In peer review.
25. **Ziyab AH**. Prevalence of food allergy among schoolchildren in Kuwait and its association with the coexistence and severity of asthma, rhinitis, and eczema: a cross-sectional study. *World Allergy Organ J*. 2019;12:100024. doi:10.1016/j.waojou.2019.100024.
26. Groof Z, Garashi G, Husain H, Owayed S, AlBader S, Mouhsen H, Mohammad A, **Ziyab AH**. Prevalence, risk factors, and fetomaternal outcomes of gestational diabetes mellitus in Kuwait: a cross-sectional study. *J Diabetes Res*. 2019;2019:9136250. doi:10.1155/2019/9136250.
27. Almari M, Alsaedi S, Mohammad A, **Ziyab AH**. Associations of adiposity and parental diabetes with prediabetes among adolescents in Kuwait: a cross-sectional study. *Pediatr Diabetes*. 2018;19:1362-1369. doi:10.1111/pedi.12780.
28. **Ziyab AH**, Mukherjee N, Kurukulaaratchy RJ, Zhang H, Ewart S, Arshad H, Karmaus W. Leptin receptor gene polymorphisms and sex modify the association between acetaminophen use and asthma among young adults: results from two observational studies. *Respir Res*. 2018;19:179. doi:10.1186/s12931-018-0892-y.
29. **Ziyab AH**, Abul AT. Trends in asthma hospital admissions and mortality in Kuwait, 2000 to 2014: a national retrospective observational study. *BMJ Open*. 2018;8:e021244. doi:10.1136/bmjopen-2017-021244.
30. **Ziyab AH**, Hankinson J, Ewart S, Schauburger E, Kopec-Harding K, Zhang H, Custovic A, Arshad H, Simpson A, Karmaus W. Epistasis between FLG and IL4R Genes on the Risk of Allergic Sensitization: Results from Two Population-Based Birth Cohort Studies. *Sci Rep*. 2018;8:3221. doi:10.1038/s41598-018-21459-x.
31. Zhang H, Kaushal A, Soto-Ramírez N, **Ziyab AH**, Ewart S, Holloway JW, Karmaus W, Arshad H. Acquisition, Remission, and Persistence of Eczema, Asthma, and Rhinitis in Children. *Clin Exp Allergy*. 2018;48:568-576. doi:10.1111/cea.13096.
32. Kamal M, **Ziyab AH**, Bartella A, Mitchell D, Al-Asfour A, Hölzle F, Kessler P, Lethaus B. Volumetric comparison of autogenous bone and tissue-engineered bone replacement materials in alveolar cleft repair: a systematic review and meta-analysis. *Br J Oral Maxillofac Surg*. 2018;56:453-462. doi:10.1016/j.bjoms.2018.05.007.

33. Alrowayeh H., **Buabbas A.**, Alshatti t. Evidence-Based Physical Therapy Practice in the State of Kuwait: Attitudes, Beliefs, Knowledge, and Skills. *Journal of Medical Internet Research* (in the publication process).
34. **Buabbas, A. J.**, Alsaleh, F. M., Al-Shawaf, H. M., Abdullah, A., & Almajran, A. (2018). The readiness of hospital pharmacists in Kuwait to practise evidence-based medicine: a cross-sectional study. *BMC Medical Informatics and Decision Making*, 18, 4. <http://doi.org/10.1186/s12911-018-0585->

Book Chapter

- Karmaus W, **Ziyab AH**, Mukherjee N. Epigenetics of Allergic Diseases: Allergies, Eczema, Asthma, and Rhinitis. In: Tollefsbol T (Ed.), *Epigenetics in human disease*. 2nd edition. San Diego, CA: Elsevier, 2018. pp. 573-606

Poster Presentations

24th Health Sciences Poster Conference, March 12-14, 2019, Faculty of Medicine, Kuwait University

1. **Akhtar S.** Age-period-cohort modeling of multiple sclerosis incidence rates in Kuwait: 1980-2014. 51th Annual Meeting of Society of Epidemiologic Research-USA, 19-22 June 2018. Baltimore, Maryland, USA. (Poster)
2. Al-Mutairi B, Al-Bader D, Al-Yaseen D, Khalaf J, Alkandari M, Irschied S, Awad S, Adullah Z, **Akhtar S** Prevalence and Factors Associated with Self-Reported Physical Inactivity in the Working Population in Kuwait. 24th Health Sciences Center Poster Conference. 12-14 March 2019. HSC-Kuwait.
3. Akrama A, Alhamar M, Aleinati R, Alsaied R, Al-Mutawa M, Al-Mutairi A, Meshal H, Alrajhi K, Al-Tammar M, Tadros N, **Longenecker JC**: Knowledge, Attitudes and Practices Regarding Colorectal Cancer Screening in Patients Attending Kuwait Ministry of Health Primary Care Centers. Poster at the 22st Health Sciences Center Poster conference, Kuwait University, March 2019.
4. Aljunid SM, Tolma E, Amrizal MN, **Longenecker JC**, Mahmoud A, Al-Wotayan R: Knowledge, Attitude and Practices of Colorectal Cancer Screening among Primary Physicians in Kuwait. Poster at the 22st Health Sciences Center Poster conference, Kuwait University, March, 2019.
5. Kabli A, Al-Aly A, Redha M, Alshawaf S, Al Ostad T, Owayed F, Tadros N, **Longenecker JC**: Blood Pressure and Body Building Supplement Use Among Gym Attendees in Kuwait. Poster at the 22st Health Sciences Center Poster conference, Kuwait University, March, 2019.

6. Gasana J, Vainio HU, Al-Qattan M, **Longenecker JC**, Adam B, Loney T: Identification of Public Health Priorities, Barriers, and Solutions using Modified Delphi Method for Stakeholder Consensus in Kuwait. Poster at the 22st Health Sciences Center Poster conference, Kuwait University, March, 2019.
7. Abdlekarim AA, Mohiyaldeem IN, AlEnezi OF, AlShatti RA, Dougherty RG, AlRaihan AM, AlOtaibi SK, **Longenecker JC**: The Prevalence of Burnout and its Associated Factors Among Surgical Specialists in Kuwait Ministry of Health Hospitals. Poster at the 22st Health Sciences Center Poster conference, Kuwait University, March, 2019. (Awarded Best Undergraduate Poster)
8. **Al-Taïar A**, Rahman A, Al-Sabah R, Shaban L, Al-Harbi A: Vitamin D status among adolescents in Kuwait. 23rd Health Sciences Centre Poster Conference, Kuwait University. March, 2018.
9. Alkhabbaz M, **Al-Taïar A**, Saeed M: The burden of acne vulgaris and its association with vitamin D deficiency among school students in Kuwait. 23rd Health Sciences Centre Poster Conference, Kuwait University. March, 2018.
10. Akbar F, Al-Baghli J, AlBesharah M, Bulbul F, Mohammad D, Qadoura B, **Al-Taïar A**: Low back pain among public high school students in Kuwait in relation to weight of school bag. 23rd Health Sciences Centre Poster Conference, Kuwait University. March, 2018.
11. Al-Matouq S, Abdulaziz F, Al-Mutairi H, Al-Mutairi, Al-Enzi M, Al-Basri D, **Al-Taïar A**: Dysmenorrhea among High-school Students and its Associated Factors in Kuwait. 23rd Health Sciences Centre Poster Conference, Kuwait University. March, 2018.
12. Rahman A, **Al-Taïar A**, Shaban L, Al-Sabah R, Al-Harbi A, Mojimini S. Is vitamin D associated with cognitive function in adolescent school children? 3rd Kuwait International Conference on Life Sciences, Kuwait University, November, 2018.
13. AlAwadhi K, AlWasmi A, AlAdsani K, AlDabbous N, AlBraikan D, AlYousef A, AlMerjah F, AlBassam T, AlHanyan G, **Al-Taïar A**: Hand Hygiene among Senior Medical Students: Knowledge, Attitude and Practice. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
14. Al-Abdali N, Al-Rashidi A, Al-Saqobi A, Al-Ajmi D, Al-Sayegh H, Al-Azimi M, **Al-Taïar A**: Women's Preference on Birthplace and Mode of Delivery in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
15. **Al-Taïar A**, Al-Quood N, Hammoud MS: Can Infant and Young Child Feeding Indicators Predict Stunting or Overweight? Findings of Kuwait Nutritional Surveillance System (2015-2017). 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.

16. Al-Serri A, Al-Temaimi R, Abdur Rahman, **Al-Taïar A**, Shaban L, Al-Sabah R: An association between the common FTO gene polymorphism and obesity in Kuwaiti children: A cross-sectional study. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
17. Jallad R, Rao MS, **Al-Taïar A**, Shaban L, Al-Sabah R, Rahman A: Prevalence of microminerals deficiencies among adolescent school children in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
18. Al-Sabah R, **Al-Taïar A**, Rahman A, Shaban L, Al-Harbi A, Mojiminiyi O: Predictors of Cognitive Function Among Adolescents in A High-Income Setting. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
19. Al-Abdulrazzaq D, **Al-Taïar A**, Shaltout A, Al-Kandari H: Audit of healthcare for children and adolescences with type 1 diabetes in a tertiary center in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
20. Shaban LH, **Al-Taïar A**, Rahman A, Al-Sabah R, Al-Harbi A: Anemia among School Children in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
21. Prevalence of depression, anxiety and their associations among end-stage-renal-disease Patients undergoing hemodialysis in Kuwait, (24th HSC Poster Conference, March 12-14, 2019)., **Albatineh A**.
22. Microbial Contamination Analysis of the Hands of Food Handlers in Kuwait Restaurants: a Cross Sectional Study, (24th HSC Poster Conference, March 12-14, 2019), **Albatineh A**.
23. Eliwa J, Jamal D, Alashqar A, Qadoura B, **Bouhaimed M**. Perceptions of negative teaching approaches by clinical tutors in Kuwait. An International Association for Medical Association AMEE. Vienna, Austria. 24-28 August 2019.
24. AlFailakawi M, Redha S, **Bouhaimed M**. An informed consent: How informing is it? Reflective experience from Middle East. An International Association for Medical Association AMEE. Vienna, Austria. 24-28 August 2019.
25. AlFailakawi M, Bouhaimed W, AlAradi D, **Bouhaimed M**. SWOT analysis of bariatric surgery in adolescents: a reflective case series.1st IFSO-MENAC meeting / 3rd PASMBS meeting. Kuwait, 11-13 April 2019.
26. **Bouhaimed M**. The story of Muneer: Changing medical education in Kuwait. International forum on Quality and Safety in Health Care. Glasgow. 27-29 March 2019.
27. **Bouhaimed M**. Focused discussion on national legislation about bio medicine and genetics in Kuwait. 7th Kuwait international genetic conference. Kuwait, 12-14 Feb 2019.

28. Kazem F, AlAmiri F, Marafie N, AlRadhwan R, AlShaya D, Bokubar F, Eliwa J, **Bouhaimed M**. Medical students' attitude towards psychiatry as a speciality and career choice in Kuwait. 24 th HSC Poster Conference. Kuwait, 12-14 March 2019.
29. Alabd R, Al Abdali N, Al Mutawa F, Safar F, Eliwa J, **Bouhaimed M**. Professionalism in medicine: Preliminary results of a national survey of physicians in Kuwait. 24 th HSC Poster Conference. Kuwait, 12-14 March 2019.
30. Alrabah F, Albaghli A, Asad H, **Bouhaimed M**. Ethical and legal issues related to presentation of child abuse cases to ophthalmic care in Kuwait: A case report. 24 th HSC Poster Conference. Kuwait, 12-14 March 2019.
31. AlFailakawi M, Khan N, **Bouhaimed M**. I am my own doctor. 24 th HSC Poster Conference. Kuwait, 12-14 March 2019.
32. Ashkanani H, Abdelkarim A, **Bouhaimed M**. Bilateral medical canthal lesions: How knowledge of basic anatomy and age related anatomical changes can save patient's vision. 24th HSC Poster Conference. Kuwait, 12-14 March 2019.
33. AlFailakawi M, AlJuwaihel H, AlAbduljaleel A, AlWadani M, **Bouhaimed M**. Incarcerated umbilical hernia: Can it be something else? 24 th HSC Poster Conference. Kuwait, 12-14 March 2019.
34. AlFailakawi M, Buhaimeed W, **Bouhaimed M**. Development of institutional guideline for post-operative venous thromboembolism prophylaxis in bariatric surgery in Kuwait. 7th Kuwait International Pharmacy Conference (KIPC). Kuwait, 5-7 March 2019.
35. AlSayegh H, Alqandi N, Shuaibi S, Elaiwa J, **Bouhaimed M**. Exploratory study of antibiotics' prescription by primary care physicians in Kuwait: Evidence-based clinical guidelines and educational interventions are needed. KIPC. Kuwait, 5-7 March 2019.
36. AlKandari A, AlAli N, AlShatti K, AlSobaei M, Asery R, Bokubar F, Mubarak S, **Bouhaimed M**. A reflective audit cycle of consent form completion: a useful tool to improve medical students' training. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
37. Asery R, AlAli N, AlKandari A, AlShatti K, AlSobaei M, Bokubar F, Mubarak S, **Bouhaimed M**. Better knowledge for safer care: A reflective audit about hospital acquired pressure ulcers. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
38. Mubarak S, AlAli N, AlKandari A, AlShatti K, AlSobaei M, Asery R, Bokubar F, **Bouhaimed M**. Evidence-based practice: utilization of the ventilator bundle to enhance patient safety education. The Kuwait Association of Surgeon's (KAS) Conference. The

Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.

39. AlAli N, AlKandari A, AlShatti K, AlSobaei M, Asery R, Bokubar F, Mubarak S, **Bouhaimed M**. Injuries from falls in healthcare setting: a reflective sentinel event audit to improve medical students' training. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
40. AlSobaei M, AlAli N, AlKandari A, AlShatti K, Asery R, Bokubar F, Mubarak S, **Bouhaimed M**. Learning from patient's voice: toward a safer healthcare practice. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
41. AlShatti K, AlAli N, AlKandari A, AlSobaei M, Asery R, Bokubar F, Mubarak S, **Bouhaimed M**. Patient safety education for undergraduate medical students: Lessons learnt from surgical/procedural schedule audit. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26 th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
42. Bokubar F, AlAli N, AlKandari A, AlShatti K, AlSobaei M, Asery R, Mubarak S, **Bouhaimed M**. Exploring gaps in verbal orders in medical practice: an opportunity to reflect. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
43. Alrubah F, Alkandari H, Albaghli A, **Bouhaimed M**. Clinical, Ethical, and Legal Issues Related to Presentation of Child Abuse Cases to Ophthalmic Care in Kuwait: A Case Report. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
44. Ashkanani H, Abdelkarim A, **Bouhaimed M**. Bilateral Medial Canthal Lesions: Knowledge of Basic Anatomy and Age-related Changes Can Save a Patient's Eye. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
45. AlSayegh H, AlN-ajem A, Ismail A, AlHarbi M, Eliwa J, **Bouhaimed M**. Attitudes and experiences regarding medical errors and disclosure among physicians in Kuwait. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.

46. AlSayegh H, AlQandi, Shuibi S, Eliwa J, **Bouhaimed M**. An exploratory pilot study on knowledge, attitudes and perceptions concerning antibiotics resistance and use practices among primary healthcare practitioners in Kuwait. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
47. Kazem F, AlAmiri F, Marafie N, AlRadhwan R, AlShaya D, Bokubar F, Eliwa J, **Bouhaimed M**. Medical Students' Attitude Towards Psychiatry as a Specialty and Career Choice in Kuwait. Safe Surgery Conference. The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. Kuwait, 21 – 23 Nov 2018.
48. Al-Taiar A, Rahman A, **Al-Sabah R**, Shaban L, Al-Harbi A: Vitamin D status among adolescents in Kuwait. 23rd Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
49. Rahman A, Al-Taiar A, Shaban L, **Al-Sabah R**, Al-Harbi A, Mojimini S. Is vitamin D associated with cognitive function in adolescent school children? 3rd Kuwait International Conference on Life Sciences, Kuwait University, November, 2018.
50. Al-Serri A, Al-Temaimi R, Abdur Rahman, Al-Taiar A, Shaban L, **Al-Sabah R**: An association between the common FTO gene polymorphism and obesity in Kuwaiti children: A cross-sectional study. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
51. Jallad R, Rao MS, Al-Taiar A, Shaban L, **Al-Sabah R**, Rahman A: Prevalence of microminerals deficiencies among adolescent school children in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
52. **Al-Sabah R**, Al-Taiar A, Rahman A, Shaban L, Al-Harbi A, Mojiminiyi O: Predictors of Cognitive Function Among Adolescents in A High-Income Setting. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
53. Shaban LH, Al-Taiar A, Rahman A, **Al-Sabah R**, Al-Harbi A: Anemia among School Children in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
54. Aldousari L, AlFailakawi M, AlHamdan F, AlOuda H, AlQuloushi M, Malhas Z, **Al-Sabah R**: Child Safety Seats: Knowledge, Attitude, and Practice among parents in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
55. **Ziyab AH**, Zhang H, Kurukulaaratchy RJ, Arshad H, Karmaus W. Sex Modifies the Association Between Acetaminophen Use and Asthma Among Young Adults: Results from Two Population-Based Studies. The Joint Congress of the American Academy of Allergy,

Asthma, and Immunology and the World Allergy Organization (AAAAI/WAO). Orlando, FL, USA. March 2018. [J Allergy Clin Immunol. 2018;141(suppl 2):AB9]

56. Almari M, **Ziyab AH**. Associations of parental diabetes and markers of adiposity with prediabetes among adolescents in Kuwait: a cross-sectional study. 23rd Health Sciences Center Poster Conference, Kuwait University, Kuwait. March 2018.

57. Perceptions of Robotic-Assisted Surgery: Results of a survey among surgeons in Kuwait.
Buabbas A

OTHER CONTRIBUTIONS

a) Participation in Ministry/Government activities

Akhtar, S.

- Consultant Epidemiologist, Ministry of Health, Ibn Sina Hospital, Kuwait (Secondment)

Longenecker, J

- Secondment to the Department of Primary Health Care, MOH
- Blood pressure screening pilot program based in Primary Healthcare Centers, MOH.
- Member, Kuwait MOH 2019 STEPS Study Coordinating Committee

Al-Taiar, A.

- Secondment to the Ministry of Health, Food and Nutrition Administration.

Albatineh, A.

- Secondment to the Ministry of Health, Minister of Health Office

Bouhaimed, M.

- Expert member : International Bioethics Committee (IBC), UNESCO.
- Member in the advisory Committee of the Higher Council of Environment in Kuwait.

Al-Mutawa, N.

- Chief Psychotherapy Training Supervisor at the Kuwait Psychiatric Hospital
- Member of Kuwait Supreme Education Council

- Board Member of Investment Committee for the National Fund for SME Development
- Dr. Al-Mutawa has delivered a lecture on Cognitive Behavioral Therapy at Adan Hospital, April 2019

Al-Sabah, R.

- Board member, Kuwait Association for the Care of Children in Hospital (KACCH).
- Member, Psychiatry Board, Kuwait Institute for Medical Specialization (KIMS).
- Member, Joint MoH/MoE Committee for Promotion of Physical Activity in Public Schools, Kuwait.

Ziyab, A.H.

- Seconded at Dasman Diabetes Institute, Epidemiology and Public Health Unit.
- Member, National Elderly Health Survey Committee, Ministry of Health, Kuwait, Apr. 2018 – Present

b) Offices held in Professional Organizations

Akhtar, S.

Member, International Epidemiologic Association.
Member, Society of Epidemiologic Research (USA).
Member, Asian-African Society of Mycobacteriology.

Longenecker, J.

Member, American Public Health Association
Member, Society for Epidemiologic Research
Member, American Society of Nephrology
Member, American College of Physicians
Member, The Johns Hopkins Medical and Surgical Association

Al-Isa, A.

Member of the royal Society of Health Promotion
Board member of American Association of Science and Technology
Member, Clean and Drinkable Water Organization, Cairo, Egypt
Member, Association of the Middle East Children's and Youth Studies (AMECYS)
Member, European Menopause and Andropause Society.
Member, Public Health of the Arab World (PHAW)
Editorial Member of the Biological and Medical Journals
Editorial Member of International Journal of Community & Family Medicine
Editorial Member of ARC Publications PVT LTD
Editorial Member of Archives of Community Medicine and Public Health
Editorial Board member of Science Publishing Group
Editorial Board member of Community Medicine and Health Education.
Editorial Member of Health Education and Promotion
Editorial Member Board, Journal of Obesity

Editorial Member Board, Journal of Health Environment and Education
Editorial Board Member of Medicine & Health Journals
Editorial Board Member Journal of Modern Cancer Research (JMCR)
Editorial Board Member Journal of Clinical Medicine
Editorial Board Member Central African Journal of Public Health
Guest Editor, Women's Health
Guest Editor, International Journal of Obesity

Al-Taïar, A.

Member, Society for Epidemiologic Research (SER).
Member, Society of Paediatric and Perinatal Epidemiologic Research (SPER).
Member, Society of Developmental Origin of Health and Disease (DOHaD).

Bouhaimed, M.

Member, International Association for Education in Ethics (IAEE)
Member, The International Society for Quality in Health Care (ISQUA)
Member, The International Association of Bioethics
Member, American Society for Retina Specialists
Member, European Vitreoretina Society
Member, Kuwait Ophthalmology Society
Member, Saudi Society of Ophthalmology
Member, Kuwait Medical Association
Member, American Academy of Ophthalmology
Founding Member, Kuwait Child Rights' Society
Member, Association of Women Surgeons
Member, Steering Committee of the Eastern Mediterranean Health Genomics and Biotechnology Network (EMHGBN)
Vice President and Chairperson, Health and Occupational Safety, Kuwait University Staff Association. KU.
Board member and Chairperson of the Health Committee: Kuwait Society for Human Rights

Al-Mutawa, N.

Approved Albert Ellis Institute RE & CBT Supervisor
Member of American Psychological Association
Member of American Society of Clinical Hypnosis
Member of American Association of Sexuality Educators, Counselors and Therapists
Member, Young Presidents Organization
Member, Young Arab Leaders
Member, Young Global Leaders
Member, Schwab Foundation for Social Entrepreneurship

Al-Sabah, R.

Member, Child Life Council, USA.
Member, American Psychological Association.
Member, Health Psychology, APA Division 38.
Member, Paediatric Psychology, APA Division 54.

Ziyab, A.H.

Member, Society for Epidemiologic Research
Member, International Epidemiological Association

Buabbas, A.

President of the Kuwaiti Health Informatics Association (KHIA)

c) Advisory services for professional journals and grant proposal reviews

Akhtar, S.

Member, Editorial Board, Global Journal of Medicine and Public Health
Member, Editorial Board, Open Access Journal of Science and Technology
Ad-hoc Reviewer, Public Health
Ad-hoc Reviewer, International Journal of Infectious Diseases
Ad-hoc Reviewer, Brain and Behavior
Ad-hoc Reviewer South African Medical Journal
Ad-hoc Reviewer, HIV/AIDS - Research and Palliative Care

Longenecker, J.

Editorial Board, Medical Principles and Practice
Reviewer, BMC-Nephrology
Reviewer, Clinical Journal of the American Society of Nephrology
Reviewer, Medical Principles and Practice
Reviewer, Kuwait Medical Journal

Al-Isa, A.

Reviewer, Family Medicine & Medical Science Research
Reviewer, British Journal of Nutrition
Reviewer, Annals of Saudi Medicine
Reviewer, International Journal of Food Sciences
Reviewer, European Journal of Clinical Nutrition
Reviewer, International Journal of Obesity
Reviewer, Food, Science and Technology
Reviewer, Health Journal
Reviewer, Journal of Biochemistry Research, and Review
Reviewer, British Journal of Medicine and Medical Research
Reviewer, British Journal of Education, Society and Behavioural Science
Reviewer, Central African Journal of Public Health.
Reviewer, American Journal of biomedical Science & Research
Reviewer, Medical Periodicals Insights

Al-Taiar, A.

Reviewer, JAMA Pediatrics
Reviewer, BMC Infectious Diseases

Reviewer, Paediatric and perinatal Epidemiology
 Reviewer, BMJ Open
 Reviewer, WHO bulletin
 Reviewer, International Journal of Infectious Diseases
 Reviewer, Journal of Tropical Paediatric
 Reviewer, Journal of Infection and Public Health
Albatineh, A.N.
 Reviewer, Medical Principles and Practice Journal
 Reviewer, Journal of Classification.
 Reviewer, Communications in Statistics - Theory and Methods.
 Reviewer, Communications in Statistics - Simulation and Computation.
 Reviewer, Psychometrika Journal.
 Reviewer, Journal of Statistical Computation and Simulation.
 Reviewer, Journal of Statistical Methods and Applications.
 Reviewer, Journal of Applied Statistics.
 Reviewer, Journal of Environmental and Analytical Toxicology.
 Reviewer, Journal of Health, Psychology, and Medicine
 Reviewer, Iranian Journal of Science and Technology, Transactions A: Science

Bouhaimed M.

Reviewer, Saudi Medical Journal
 Reviewer, McMaster Online Rating of Evidence
 Reviewer, Malaysian Journal of Medical Sciences
 Reviewer, Journal of Clinical Optometry
 Editorial Board Member, Society of Clinical Ophthalmology

Ziyab, AH.

Reviewer, Frontiers in Endocrinology
 Reviewer, World Allergy Organization Journal
 Reviewer, BMC Pulmonary Medicine
 Reviewer, The Journal of Pediatrics
 Reviewer, Clinical & Experimental Allergy
 Reviewer, Scientific Reports
 Reviewer, International Journal of Obesity
 Reviewer, Medical Principles and Practice
 Reviewer, Journal of the European Academy of Dermatology and Venereology
 Reviewer, Plos One
 Reviewer, Journal of Asthma

d) Active participation in professional conferences

1. 51st Annual Meeting of Society for Epidemiologic Research-USA, Baltimore, Maryland, USA, 19-22, June 2018, **Akhtar S.**
2. Keynote Speaker at World Congress on Nursing and Healthcare Conference, Vancouver, Canada, March 29-31, 2018. **Al-Isa A**
3. Keynote Speaker at 6th International Conference on Internal Medicine & Practice and Primary Care, Miami, USA, April 4-5, 2018. **Al-Isa A**
4. Keynote Speaker at World Conference on Alzheimer's and Parkinson Diseases, Tokyo, Japan, April 16-18, 2018, **Al-Isa A**

5. Keynote Speaker at Cosmetology and Trichology, Dubai, April 19-20, 2018, **Al-Isa A**
6. Keynote Speaker at Primary Healthcare 2018, Tokyo, Japan, May 14-16, 2018, **Al-Isa A**
7. Keynote Speaker at 10th International Conference on Proteomics and Bioinformatics, Singapore, May 16-17, 2018, **Al-Isa A**
8. Keynote Speaker at 2nd World Congress on Cell Science and Molecular Biology, Valencia, Spain, May 21-22, 2018, **Al-Isa A**
9. Keynote Speaker at International Conference on Atlanta Human Rights Foundation, Atlanta Georgia, USA, May 23 – 27, 2018, **Al-Isa A**
10. Keynote Speaker at 8th International Conference on Clinical and Medical Case Reports, London, UK, May 28-29, 2018, **Al-Isa A**
11. Keynote Speaker at 13th World Congress on Healthcare & Technologies, Dublin, Ireland, June 14-15, 2018, **Al-Isa A**
12. Keynote Speaker at International Conference on Bio better and Regulatory Implications, Vancouver, Canada, June 27-28, 2018, **Al-Isa A**
13. Keynote Speaker at 6th International Conference on Medical Informatics & Telemedicine, Berlin, Germany, July 5-6, 2018, **Al-Isa A**
14. Keynote Speaker at Global Medical and Clinical Case Report, Bangkok, Thailand, July 16-17, 2018, **Al-Isa A**
15. Keynote Speaker at Obesity Summit 2018 Bangkok, Thailand, July 10-11, 2018, **Al-Isa A**
16. Keynote Speaker at World Bio Discovery Congress, Dundee University, Scotland, United Kingdom, July, 24-26, 2018, **Al-Isa A**
17. Keynote Speaker at 14th World Congress on Psychiatry & Mental Health Nursing, Vancouver, Canada, July 25-26, 2018, **Al-Isa A**
18. Keynote Speaker at Community Empowerment for Health: A Multi-Sector Approach, Limerick, Ireland, August 16-20, 2018, **Al-Isa A**
19. Keynote Speaker at 29th International Conference on Pediatric Nursing & Healthcare, Madrid, Spain, August 16-17, 2018, **Al-Isa A**
20. Keynote Speaker at The 6th International Agricultural Science and Food Engineering Conference (ASFEE 2018) Kunming, China, August 21-23, 2018, **Al-Isa A**
21. Keynote Speaker at 7th World Congress on Nursing & Health Care, Singapore, August 22-23, 2018, **Al-Isa A**
22. Keynote Speaker at 17th International Conference on Obesity, Diet Nutrition schedule, Paris, France, August 28-29, 2018, **Al-Isa A**
23. Keynote Speaker at International Conference on Nursing and Healthcare, Lisbon, Portugal, September 6-7, 2018, **Al-Isa A**
24. Keynote Speaker at 15th Global Congress on Clinical Pediatrics 2018, Lisbon, Portugal, September 6-7, 2018, **Al-Isa A**
25. Keynote Speaker at 11th Annual Congress on Immunology & Immune-technology, ZURICH, Switzerland, September 13-14, 2018, **Al-Isa A**
26. Keynote Speaker at Global Conference on Nursing & Primary Healthcare, Rome, Italy, September 17-18, **Al-Isa A**
27. Keynote Speaker at International Conference on Pulmonary Medicine and Respiratory Diseases, Osaka, Japan, September 17-19, 2018, **Al-Isa A**

28. Keynote Speaker at International conference on Innovation in Engineering, Technology and Science, Mysore-570018, Karnataka, India, September 20-21, 2018, **Al-Isa A**
29. Keynote Speaker at 3rd International Conference on Perinatal Nursing and Adolescent Healthcare, Vancouver, Canada, September 21-22, 2018, **Al-Isa A**
30. Keynote Speaker at 6th World Congress on Public Health, Epidemiology & Nutrition (Global Public Health 2018) Hong Kong, September 21-22, 2018, **Al-Isa A**
31. Keynote Speaker at 17th World Congress on Obesity & Nutrition, Osaka, Japan, September 21-22, 2018, **Al-Isa A**
32. Keynote Speaker at 5th International Conference on Histopathology & Cytopathology, Rome, Italy, September 24-25, 2018, **Al-Isa A**
33. Keynote Speaker at 3rd World Congress on Medical Plants and Natural Products Research, Chicago, September 28-29, 2018, **Al-Isa A**
34. Keynote Speaker at Understanding the Wisdom of Pharmacy and Nature cure, Encouraging New Innovations in pharmacy and Traditional medicine, Osaka, Japan, September 28-30, 2018, **Al-Isa A**
35. Keynote Speaker at The Mission Control Room to Boardroom, Kuwait, October 3-4, 2018, **Al-Isa A**
36. Keynote Speaker at 20th World Summit on Nanotechnology and Expo, Los Angeles, USA, October 5-6, 2018, **Al-Isa A**
37. Keynote Speaker at 2nd International Biotechnology Congress- 2018 (IBC- 2018) Fukuoka, Japan, October 14-16, 2018.
38. Keynote Speaker at Maternal Mortality & Safe Motherhood, California, USA, October 15-19, 2018 and Dakar Senegal, 21-25, 2018, **Al-Isa A**
39. Keynote Speaker at 3rd International Conference & Expo on Obesity and Diet Management, (Obesity and Diet Management-2018), Amsterdam, Netherlands, October 18-20, 2018, **Al-Isa A**
40. Keynote Speaker at 25th World Nursing and Nurse Practitioner Conference, (Innovations and Advancements in Nursing), Osaka, Japan, October 22-23, 2018, **Al-Isa A**
41. Keynote Speaker at Cancer Stem Cell & Oncology Research, Paris, France, November 5-6, 2018, **Al-Isa A**
42. Keynote Speaker at International Conference on Nursing and Health care, Kuala Lumpur, Malaysia, November 12-13, 2018, **Al-Isa A**
43. Keynote Speaker at International Colloquium on Nursing & Health care, Dubai, UAE, November 12-13, 2018, **Al-Isa A**
44. Keynote Speaker at 7th Annual World Congress of Food and Nutrition 2018 (WCFN-2018) Singapore, November 13-15, 2018, **Al-Isa A**
45. Keynote Speaker at 3rd Global Conference on Neurology & Brain Disorders, Holiday Inn Aurelia, Rome, Italy, November 14-16, 2018, **Al-Isa A**
46. Keynote Speaker at International Colloquium on Nursing & Health Care, Rome, Italy, November 14-16, 2018, **Al-Isa A**
47. Keynote Speaker at 2nd Global Congress on Medical & Clinical Case Reports, CPD Accreditation, Dubai, UAE, November 19-20, 2018, **Al-Isa A**
48. Keynote Speaker at Asian Institute of Technology, Conference Center, Thailand, November 23-23, 2018, **Al-Isa A**

49. Keynote Speaker at 52nd International Conference on Nursing and Healthcare, Lisbon, Portugal, December 3-4, 2018, **Al-Isa A**
50. Keynote Speaker at 2nd Kuwait Medical Laboratory and OB/GYN Conference. Farwaniyah Hospital, Kuwait, 13-14 March, 2019, **Al-Isa A**
51. Keynote Speaker at Future of Information and Communication Conference (FICC) 2019, San Francisco, March 14-15, 2019, **Al-Isa A**
52. Keynote Speaker at 3rd World Congress & Expo on Biotechnology and Bioengineering, Dubai, UEA, March 25-26, 2019, **Al-Isa A**
53. Keynote Speaker at 3rd International Conference on Obesity and Metabolic Disease 2019, Bangkok, Thailand, March 25-27, 2019, **Al-Isa A**
54. Keynote Speaker at Medical Expo 2019, Casablanca, April 4-7,
55. Keynote Speaker at Global Experts Meeting in Pediatrics & Neonatology, New York, USA, 2019, April 18-20, **Al-Isa A**
56. Keynote Speaker at 2nd International Meeting on Cosmetology and Trichology (Cosmetology-2019), Dubai, UAE, April 19-20, 2019, **Al-Isa A**
57. Keynote Speaker at Global Experts Meeting on Frontiers in Wound Care & tissue Science, New York, USA, April, 18-20, 2019, **Al-Isa A**
58. Keynote Speaker at TOX2020, International Conference on Toxicology and Applied Pharmacology, Dubai, UAE, April 23-24, 2020, **Al-Isa A**
59. Keynote Speaker at 3rd World Congress on Cell Science and Molecular Biology (Cell Science-2019) Kuala Lumpur, Malaysia, May 13-14, 2019, **Al-Isa A**
60. Keynote Speaker at Global Conference on Diabetes and Endocrinology Research, Barcelona, Spain, May 15-17, 2019, **Al-Isa A**
61. Keynote Speaker at 28th International Conference on Nursing Care, Vienna, Austria, May, 23-24, 2019, **Al-Isa A**
62. Keynote Speaker at 2nd Edition conference on Otolaryngology, ENT conference, Singapore, May 27-28, 2019, **Al-Isa A**
63. New Confidence Interval Estimator of the Signal-to-Noise Ratio Based on Asymptotic Sampling Distribution, Royal Statistical Society Conference, Cardiff, United Kingdom, 3th - 6th September, 2018, **Albatineh A.**
64. Attended: Radiation protection and safe handling of radioactive materials. Radiation safety committee. Kuwait University. 2019 April 23-25; Kuwait, **Bouhaimed M**
65. Faculty Seminar: Vitamin D Deficiency- Dr. Abdullah Al-Taiair 2019 April 16-Kuwait, **Bouhaimed M**
66. Attended and presented: 1st IFSO-MENAC meeting / 3rd PASMBS meeting. 2019 April 11-13; Kuwait, **Bouhaimed M**
67. Attended: The 1st Gulf Health Council Conference. 2019 April 9-10; Kuwait, **Bouhaimed M**
68. Presented: International forum on Quality and Safety in Health Care. 2019 March 27-29; Glasgow. This event has been approved by the Federation of the Royal Colleges of Physicians of the United Kingdom for 18 category 1CPD credits, **Bouhaimed M**

69. Attended. Research based learning. Kuwait University office of the vice president for academic affairs. The teaching excellence program. 2019 March 25; Kuwait, **Bouhaimed M**
70. Attended: Saudi Ophthalmology Symposium. 2019 March 14 – 16; Saudi Arabia, **Bouhaimed M**
71. Attended: 24rd HSC Poster Conference. 2019 March 12-14; Kuwait, **Bouhaimed M**
72. Attended and presented: Updates in internal medicine conference. Ministry of Health in collaboration with Harvard medical faculty physicians 2019 March 7-9; Kuwait. CME Category 1- credits 24, **Bouhaimed M**
73. Attended: 7th Kuwait International Pharmacy Conference (KIPC)- 2019 March 5-7; Kuwait. CME Category 1- credits 16, **Bouhaimed M**
74. Faculty Seminar: using cognitive behavioral therapy skills in everyday life- Dr. Naif AlMutawa 2019 Feb. 5 –Kuwait, **Bouhaimed M**
75. Faculty Seminar: Why cancer prevention- Prof. Harri Vainio, 2019 January 29-Kuwait, **Bouhaimed M**
76. Attended: Symposium of the 10th Arab report on cultural development. Innovation or extinction the reality challenges and aspiration of Arab scientific research. KFAS. 2018 Dec10; Kuwait, **Bouhaimed M**
77. Presented: The role of governmental and non-governmental organizations in provision of basic medications. Islamic organization of Medical Sciences. 8-10 Dec 2018. Kuwait, **Bouhaimed M**
78. Presented: "HEMAYA": The Right to Occupational Safety and Health" Presented at ATAHUB Summit Youth Action Leave No One Behind. Sheikh Jaber Al-Ahmed Cultural Centre. 2018 December 5; Kuwait, **Bouhaimed M**
79. Presented: "Legal and Ethical Considerations in Health Care". MSc program, Counseling Psychology Course-Lehigh University/ Kuwait. 2018 December 4; Kuwait, **Bouhaimed M**
80. Attended: The Kuwait Association of Surgeon's (KAS) Conference. The Kuwait Chapter of the American College of Surgeons and The 26th Annual Congress of Pan Arab Association of Surgeons. 2018 Nov 21 – 23; Kuwait, **Bouhaimed M**
81. Presented: Barriers to Healthcare accessibility in Kuwait.”Awaken: developing creative solutions to pressing social issues in Kuwait. Developed in partnership with Konrad Adenauer Stiftung (KAS), Kuwait Foundation for the Advancement of Sciences (KFAS). 2018 November 16; Kuwait, **Bouhaimed M**
82. Presented: Power of speaking up and safety culture. Quality campaign on patient safety culture and medication without harm. TAIBA’s patient safety campaign. 2018 September 25-26; Kuwait, **Bouhaimed M**
83. Attended: UNESCO, 25th (Ordinary) Session of the IBC and Joint Session of the IBC and the Intergovernmental Bioethics committee (IGBC). UNESCO, 2018 September 10-14; Paris, **Bouhaimed M**
84. Attended: Formaldehyde: Sources, effects and concentrations in the air. Environment and life science research center, Kuwait Institute of Scientific Research. 2018 Sep 4; Kuwait., **Bouhaimed M**

85. Coordinator: Basic Life Support workshop in collaboration with Life Sciences Academy, HEMAYA, and Kuwait Heart Foundation. 2018 Aug 29-30; Kuwait., **Bouhaimed M**
86. Presented: Patient Safety Congress, UK, 9-10 July 2018, **Bouhaimed M**
87. Keynote speaker at The Performance Theatre 2018: Unfinished Revolutions, June 1-3, 2018, Berlin, Germany, **Al-Mutawa N.**
88. Keynote Speaker at KFAS's Chief Science Officer Initiative in Kuwait, September 2018, **Al-Mutawa N.**
89. Speaker at Kuwait Counselor Network meeting Atakamul International School in Kuwait, October 31, 2018, **Al-Mutawa N.**
90. Speaker at Kommunity in Kuwait, November 2018, **Al-Mutawa N.**
91. Keynote Speaker at Chapter Retreat in Baku Azerbaijan for YPO Khaleej, December 6-8, 2018, **Al-Mutawa N.**
92. Keynote Speaker at Kuwait Medical Association UK in December 2018, **Al-Mutawa N.**
93. Keynote Speaker at Diversity & Inclusion Conference at IESE School in Barcelona, Spain, March 29, 2019, **Al-Mutawa N.**
94. Keynote Speaker at Middle East Psychological Association's 3rd Annual Conference & Expo in Kuwait, March 2019, **Al-Mutawa N.**
95. Keynote Speaker at On the Path to the Pearl for YPO, Manama Bahrain, April 25-27, 2019, **Al-Mutawa N.**
96. Speaker at TEDxAUK in Kuwait, April 27, 2019, **Al-Mutawa N.**
97. Parental Perception of Child Body Weight. A Workshop on a Research Strategy to Reduce Non-Communicable Diseases Related to Food and Nutrition in Kuwait. Kuwait Institute for Scientific Research. February 18-20, 2019, **Al Sabah R**
98. Speaker at Allied Health Professions Conference entitled "Towards Revolutionizing Health Care with Health Informatics" that held in Al-Jumeirah Resort, 2019 Kuwait, **Buabbas, A**
99. **Buabbas, A.**, Al-Shawaf, H. Cost analysis of medical treatment overseas versus telemedicine implementation for sick patient in Kuwait. Journal of Health and Medical Informatics 2017. 8:4 (Suppl). Presented at the 5th International conference for Medical Informatics and Telemedicine, Prague, Czech Republic, 2017.

f) Contributions to Committees in the Faculty of Medicine

Abul A.

Chairman, Appointments & Contract Renewal Committee

Chairman, Scholarship Committee

Member, Departmental Examinations Committee

Akhtar, S.

Chairman, Best Teacher Award Committee, Faculty of Medicine

Chairman, Departmental Research Committee

Chairman, Departmental Curriculum Examination Committee

Member, Faculty of Medicine Self-Evaluation Committee

Member, Promotion Review Committee, Faculty of Pharmacy,

Member, Departmental Examinations Committee, Community Medicine & Ethics

Member, Departmental Examinations Committee, Biostatistics and Basic Epidemiology
Member, Departmental Appointments & Contract Renewal Committee, Academic Staff
Member, Departmental Electives Committee
Member, Respiratory System Phase II Committee
Member, Postgraduate Student Grievance Committee, FOM
Member, Kuwait Medical Licensing Examination Committee

Al-Isa, A.

Member, Phase II Curriculum-Endocrine System Committee
Member, Departmental Electives Committee
Member, Departmental Appointments & Contract Renewal Committee, Academic & Non-Academic Staff

Longenecker, J.

Member, HSC Ethics Committee for Undergraduate Student Research
Member, Cardiovascular System Phase II Committee
Member, Gastrointestinal System Phase II Committee
Member, Community Medicine Examination Committee
Member, BBE Examination Committee

Al-Taiar, A.

Member, Phase 3 examination Committee (Year 5/7)
Member, Recruitment & Appointment Committee, Academic Staff
Member, Master of Child Life Steering Committee
Member, Departmental Research Committee
Member, Examination Committee Biostatistics & Basic Epidemiology
Member, Examination Committee for Community Medicine Course

Albatineh, A.N.

Member, Scholarship committee
Member, Curriculum committee
Member, Departmental MPH committee
Member, examination committee, community medicine course (Phase III)

Al-Mutawa, N.

Member, Departmental Appointments & Contract Renewal Committee, Academic Staff
Member, Departmental Master of Child Life (MCL) Steering Committee

Al-Sabah, R.

Coordinator, Departmental Master of Child Life (MCL) Program Committee
Member, FOM/FSS Joint Committee
Member, Phase II Infection/Immunology System Committee
Member, MPH Committee
Member, Curriculum/Examination Committee
Member Phase II Examination Committee

Member, Organizing Committee and Scientific and Publication Subcommittee. 24th Health Sciences Poster Conference, March 7-9, 2017, Faculty of Medicine, Kuwait University.
Member of The Health Sciences Center-Inter-Professional Education (HSC-IPE) Committee (Representing Faculty of Medicine), Kuwait University (Jan 2017-till present)

Ziyab, A.H

Member, Examination Committee, Phase II – Year 3 & 4
Member, Departmental Curriculum Examination Committee

Buabbas, A

Chairman of Artificial Intelligence and Innovative Medical Applications Committee
Member, International Accreditation of Medical Education

g) Special contributions to FOM and HSC administration

Longenecker, J.

Vice-Dean for Academic Affairs, Faculty of Public Health.
FOM/HSC Curriculum Management System – Dr. Longenecker has continued to help manage the centralized database system for the FOM curriculum; and is assisting in transforming the program into a web-based system.

h) Awards

Al-Sabah, R.

An association between the common FTO gene polymorphism and obesity in Kuwaiti children: A cross-sectional study. Al-Serri A, Al-Temaimi R, Abdur Rahman, Al-Taiar A, Shaban L, Al-Sabah R. Young Researcher Award for Basic Sciences. 24th Health Sciences Poster Conference, March 7-9, 2017, Faculty of Medicine, Kuwait University.

CONCLUSION

During the past year the Department has made important contributions to the Faculty teaching program. Overall, Department contributed about 1356 hours of teaching at all levels of undergraduate programs. These contributions include courses across a range of different disciplines and in all three Phases of the Faculty curriculum. Staff have maintained a high level of research productivity, with 34 papers and one book chapter. Staff members also continue to have active roles in academic and consultation activities of the Health Sciences Centre and of the Ministry of Health.

Two students from the fourth batch (2017 cohort) and one student from the third batch (2016) are likely to graduate this summer, Moreover, one student from the third batch (2016 cohort) has graduated in the fall semester. After the final approval, proposal for the Master's Program on Child Life in in the process of implementation in near future.

MEDICINE

INTRODUCTION

A. Objectives of the department programs:

The broad objectives of the department can be summarized as:

1. Provide the best educational exposure and training to Undergraduate medical students according to the educational objectives of the Faculty of Medicine.
2. Establish Postgraduate Training Programs for medical graduates of the Faculty of Medicine.
3. Provide state of the art medical care to patients in the hospitals assigned by MOH.
4. Encourage the staff to undertake basic and clinical research in areas relevant to health care by providing them with supportive staff and technical facilities.

B. Obstacles to meeting these objectives:

1. Increase in clinical year students:

The increasing number of clinical year students in the recent years has become a challenge on the teaching responsibilities of the department. The problem is multiplied by the fact that the provision of facilities, e.g. hospital beds, teaching rooms, secretarial assistance etc remains static. The department is meeting this challenge by enrolling neighboring general hospitals as teaching hospitals.

2. Lack of a university hospital:

The quality of clinical teaching is entirely dependent on the best conducive atmosphere to learning and teaching. This is possible only when the hospital focuses its outlook towards the primary objective of a teaching hospital, viz. student oriented. An average general hospital, where the focus is primarily patient care, cannot replace a teaching hospital. This is a serious deficiency in the faculty teaching program.

C. Current developments.

- Additional Teaching programs:

With the implementation of Phase II and Phase III preparation process, there is great enthusiasm and participation from several members of the department.

- Primary Care and Dermatology:

Primary Care and Dermatology are becoming a more integrated part of the departmental teaching responsibilities. The students and staff are highly appreciative of these changes.

- Examination in clinical and theoretical medicine:
The department has achieved major changes in the examination format – both clinical and theory to make those more objective for both Final Year examinations and Phase III 5th year and 6th year Clinical examinations.
- Staff assessment:
A system is now established to evaluate periodically all staff involved in teaching, for FOM and MOH.

D. Program achievements – List initiatives undertaken and outcomes achieved Student Engagement and success

- Curriculum enhancement and development
Overall summary of teaching effectiveness of all teaching /training session undertaken, using the students / Tutor feedbacks.

Course evaluation is taken from each student. Chairperson meet the students at the end of each rotation. The feedback of the students from the course evaluation and meeting is discussed in the council and the teaching hospitals to improve the effectiveness of teaching.
- **Student's evaluation :**
Changes/review to the curriculum undertaken review of various teaching /teaining modalities, clinical rotations, MSD activities, Assessments, Clinical & Communication Skill/Procedural skill activities. – **No changes**
- Activities undertaken for the accreditation process in preparing self-evaluation document. Collection & submission to VDA Office of the evidence for the review to the curriculum undertaken {training of clinical tutors, review of student logbook, review of rotation objectives, training workshops, minutes of inter- and/ or intra-department moots etc }.

Yes, self-evaluation is done rotation wise by each students (not done by staff). All the logbooks are collected and reviewed. The feedback and completeness of the logbook helps to evaluating the students attendance and performance, availability of tutors and feedback.

Training workshops are done for students for several clinical skills. There was a medical education workshop dedicated for the staff done over three days with external visitors from UK.
- Challenges towards successfully achieving teaching /trainings activities.
More Medical Education workshops for the staff should be recommended.
Although Medical ethics are emphasized in the clinical years, we need to concentrate also on safety (students, staff and patients).

MAN POWER

ACADEMIC STAFF

PROFESSORS:

- Prof. Nabila Abdella MBBCh, DM, FRCP(I), FRCP (L). - Diabetes Mellitus – **Chairperson.**
- Prof. Abdul Mohsen Al-Yousef MBChB, MRCP, FRCPG, PhD. (Emeritus) – Cardiology.
- Prof. Basil Al-Nakib M.D., F.A.C.P., FRCP. - Gastroenterology.
- Prof. Kamel El-Reshaid M.B.Ch.B, Am.B. Int Med. Am.B. Neph. FRCP. – Nephrology.
- Prof. Nasser Hayat B.A, M.D, Ph.D, FACP, FACC. – Cardiology.
- Prof. Fuad Hasan, B.M.BCh, ABIM (Int.Med), ABIM(Gastro), A.A.S.L.D, FACP.- Gastroenterology.
- Prof. Mohammed Zubaid M.B.ChB, FRCP(C) FACC – Cardiology.
- Prof. Adel Al-Awadhi B.M.B.Ch, FRCPC, FACR – Rheumatology.
- Prof. Nasser Behbehani B.M.B.Ch, FRCP(C),- Respiratory Medicine.
- Prof. Mousa Khadadah B.M.B.Ch, FRCP(UK).- Respiratory Medicine
- Prof. Dia Shehab B.M.B.Ch, FRCP(C), MAAEM. - Physical Medicine
- Prof. Khalid Al Jarallah B.M.B.Ch., FRCP(C), FACR, FACP.- Rheumatology
- Prof. Adnan Abul – B.M.B.Ch, Am.B Int. Med., FRCP(C) Respiratory.
- Prof. Nawaf Al Mutairi – B.M., B.Ch., FRCP (C) – Dermatology.
- Prof. Iqbal Siddiqui - M.B.B.S, AmB (Int. Med) AmB (Gastro) – Gastroenterology

ASSOCIATE PROFESSORS:

- Dr. Babu Uthaman M.B.B.S, M.D, Doct.Med.(Card)., FRCP (Edin)Cardiology,
- Dr. Suhail Al-Shammari MBBS, FRCP(C) - Neurology
- Dr. Wael El-Reshaid B.M.B.Ch., FASN.- Nephrology
- Dr. Salem Al-Shemmari B.M.B.Ch., FRCP (C) – Haematology
- Dr. Sana Al-Mutairi B.M.B.Ch., MRCP, M.Sc – Respiratory Medicine.
- Dr. Faisal Ali Sayegh B.M.B.Ch., AmB (Int. Med.), AMB (Haem). FRCPC.
- Haematology
- Dr. Laila Al-Qadan B.M.B.Ch., AMBd (Int. Med.) AmBd (Endocrin.) – Endocrinology
- Dr. Waleed M Alazmi- B.M.B.Ch., ABIM (Int. Med) ABIM (Gastro), Gastroenterology
- Dr. Jaber Al Ali B.M.B.Ch., DABIM FRCP (C) – Gastroenterology
- Dr. Jasem Yousef Al Hashel - B.M.B.Ch., FRCP(C), Neurology. FAHS

ASSISTANT PROFESSORS:

- Dr. Muath Alanbaei – B.M.B.Ch., ABIM (Med), FRCPC (Med.), ABIM (Card.), FRCPC (Card.), FACC, FGHA, ISACHID.
- Dr. Fahad Al Mutawa, B.M.B.Ch., FRCP (C), DABD, Dermatology.
- Dr. Fatma K.Ali, MD, ABIM (Int.Med.), ABAI (Allergy & Immunology).
- Dr. Tariq Bader Al Fahad, MD., DABPN, MSCS, Neurology.

TEACHING ASSISTANT

- Dr. Vasanty S. Nair MSc. PhD. NRCC-CC
- Ms. Khazana Al-Enezi - Clinical Instructor

DEPARTMENT OF MEDICINE
FACULTY OF MEDICINE
CLINICAL TUTORS LIST 2018 – 2019

SL. NO.	NAME	DESIGNATION
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MUBARAK AL-KABEER HOSPITAL *Total 42*

1	Dr. Majda A. Samad	Consultant, Chairperson, Dept. of Medicine
2	Dr. Medhat Mokthar	Consultant
3	Dr. Mohammed Qurtom	Consultant
4	Dr. Moudhi Al- Mutairi	Consultant
5	Dr. Cherial Suresh	Consultant
6	Dr. Wafa A. Wahab Rashid	Consultant
7	Dr. Abdulraouf Al-Shayeb	Consultant
8	Dr. Abdulaziz Taleb Muquim	Consultant
9	Dr. Waleed Abdulla Al-Dahi	Consultant
10	Dr. Ahmed Al Fadhli	Consultant
11	Dr. Ibrahim Lasheen	Consultant
12	Dr. Shaikha Aba Al-Khail	Consultant

13	Dr. Majid Yousef Zaki	Consultant
14	Dr. Ibtiha! Hakam Al-Jama'n	Consultant
15	Dr. Osama Al- Baker	Consultant
16	Dr. Abdulmohsen Al- Shammeri	Consultant
17	Dr. Khulood Al Asfoor	Consultant- Phase II
18	Dr. Tanheed Al-Hajeri	Consultant
19	Dr. Hisham Sa'ad Ahmed	Consultant- Phase II
20	Dr. Medhat Mekhaeel	Consultant
21	Dr. Ali Al Muhaini	Consultant
22	Dr. Leena Kamal Al-Khalid	Consultant- Phase II
23	Dr. Aqeel Abdullah Muhanna Salam	Consultant- Phase II
24	Dr. Suha Mohammed	Consultant
25	Dr. Sana Nader Sawan	Consultant- Phase II
26	Dr. Amr Abd Al Moneim	Consultant- Phase II
27	Dr. Sundus Al Duaij	Consultant- Phase II
28	Dr. Amro Al-sayed Abu-Kora	Consultant - Phase II
29	Dr. Ahmed Al- Qallaf	Senior Specialist
30	Dr. Eman Abdulhadi Boalayan	Senior Specialist- Phase II
31	Dr. Abdelaziz Al- Adwani	Senior Specialist- Phase II
32	Dr. Alia Khalaf Ibrahim	Specialist
33	Dr. Yousef Behbehani	Specialist
34	Dr. Fatima Al-Doukhi	Specialist (Dr. Fatima only 1 st semester) removed for 2 nd Semester-phase II
35	Dr. Mansour Ebrahim AlShammari	Specialist- Phase II

36	Dr. Marwa Al Qudhaibi	Consultant
37	Dr. Darar Rodhan	Senior Specialist
38	Dr. Heba Al- Hajeri	Senior Specialist
39	Dr. Hoda Al- Sahaf	Consultant
40	Dr. Thamer Al- Eissa	Senior Specialist
41	Dr. Mohammad Al- Jumaa	Senior Specialist
42	Dr. Ahmed Al- Ansari	Senior Registrar

AMIRI HOSPITAL Total 27

43	Dr. Raja Dashti	Consultant, Chairperson, Dept. of Medicine- Phase II
44	Dr. Eisa Al- Khaledy	Consultant
45	Dr. Najat Ashour	Consultant
46	Dr. M.M. Kapoor	Consultant
47	Dr. Anil Tussu	Consultant
48	Dr. Jehan Ali Qaseem	Consultant
49	Dr. Bassam Bulbanat	Consultant- Phase II
50	Dr. Adeeba Al-Herz	Consultant- Phase II
51	Dr. Wehad Tourah	Consultant
52	Dr. Eman Haji Hassan	Consultant- Phase II
53	Dr. Mohammed Al- Jarallah	Consultant, Chairman Cardiology- Phase II
54	Dr. Alia Al- Alawi	Consultant
55	Dr. Asharf Keshk	Consultant
56	Dr. Ahmed Ramadan	Consultant- Phase II
57	Dr. Saleh Al- Azmi	Consultant

58	Dr. Hossam Eldin Tawfik	Consultant
59	Dr. Amal Nasr	Consultant
60	Dr. Raed Al-Roughani	Consultant
61	Dr. Khalid Al- Hassan	Consultant
62	Dr. Ghadeer Akbar	Senior Specialist
63	Dr. Ayesha AlFahad	Senior Specialist - Phase II
64	Dr. Nada Al Hassan	Specialist
65	Dr. S. Sadandan	Senior Registrar- Phase II
66	Dr. Abdul Karim Al- Khajah	Consultant
67	Dr. Haifa Askar	Consultant
68	Dr. Jameela Khaldi	Consultant, Phase II
69	Dr. Masooma Al- Ali	Consultant, Phase II

FARWANIYA HOSPITAL Total 13

70	Dr. Laila Al- Enezi	Consultant, Chairperson Dept. of Medicine
71	Dr. Mohammed Hussain Al- Kandari	Consultant
72	Dr. Mokhtar Al-Bayer	Consultant
73	Dr. Saleh Al- Enezi	Consultant
74	Dr. Fahad Al- Enezi	Consultant
75	Dr. Mohammed Al- Shammeri	Consultant
76	Dr. Ahmed Al- Dousari	Consultant
77	Dr. Hamdy Ibrahim	Consultant
78	Dr. Saqer Al- Srayei	Consultant
79	Dr. Khuloud Saleh	Consultant

80	Dr. Sulaiman Al- Hashan	Consultant
81	Dr. Anas Al-Yuosef	Consultant- Phase II
82	Dr. Saad M. Al- Nesafi	Senior Specialist

ADAN HOSPITAL *Total 13*

83	Dr. Abdullah Faras	Specialist, Chairman- Medicine Department
84	Dr. Bassam Al Helal	Consultant- Phase II
85	Dr. Mohammed Morou	Consultant
86	Dr. Mohammed Al-Sombati	Consultant
87	Dr. Salem Farhan Owaïd	Consultant- Phase II
88	Dr. Sherif Ahmed	Consultant
89	Dr. Tarek Abdel Hameed	Consultant
90	Dr. Amin Ma'arafi	Consultant
91	Dr. Salehmoud Abdel Fattah	Consultant
92	Dr. Hossam Al- Ghossen	Consultant
93	Dr. Moh'd Osama	Consultant
94	Dr. Mona Al- Hindi	Consultant
95	Dr. Saleh Al- Mutairi	Senior Specialist- Phase II

SABAH HOSPITAL *Total 9*

96	Dr. Ghassan Baidas	Consultant, Chairman, Dept. of Medicine
97	Dr. Afaf Al- Adasani	Consultant
98	Dr. Adnan Al-Assousi	Consultant
99	Dr. Mousa Akbar	Consultant
100	Dr. Fareeda Al- Habeeb	Consultant

101	Dr. Varkey Alexander	Consultant
102	Dr. Darwish Mustafa	Consultant
103	Dr. Sherif Talaat	Consultant
104	Dr. Amer Masood	Senior Specialist

CHEST HOSPITAL *Total 7*

105	Dr. Mohammed Al-Mutairi	Consultant
106	Dr. Fawzia Al-Kandari	Consultant
107	Dr. Ali Al-Sayegh	Consultant
108	Dr. Christus Thomas	Consultant
109	Dr. Khalid Al Merri	Consultant
110	Dr. Abdul Mohammed Shukkur	Consultant
111	Dr. Derar Al- Khudair	Senior Specialist

IBN SINA HOSPITAL *Total 4*

112	Dr. John Alexander	Consultant
113	Dr. Riyadh .A. Khan	Senior Specialist
114	Dr. Samar Farooq	Senior Specialist
115	Dr. Wala Ahmad	Senior Registrar

DERMATOLOGY- SABAH HOSPITAL *Total 6*

116	Dr. Atlal Al- Lafi	Senior Specialist (Head-Dermatology center)
117	Dr. Qasem Al-Saleh	Consultant
118	Dr. Ibrahim Al-Aradi	Consultant
119	Dr. Meshal Al-Ghareeb	Consultant
120	Dr. Mohammad Al- Enezi	Consultant

121	Dr. Mohammad F. Al- Otaibi	Consultant
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DERMATOLOGY- FARWANIYA HOSPITAL *Total 1*

122	Dr. Bayomy Ibrahim	Consultant
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AL-NAFISI DIALYSIS CENTRE *Total 1*

123	Dr. Shabir Ahmad	Senior Specialist
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FAMILY PRACTICE SPECIALITY AND TRAINING PROGRAMME *Total 16*

124	Dr. Huda Suod Al-Duwaisan	Consultant& Chairperson
125	Dr. Amal Hamoud Al-Jhadli	Consultant& /undergraduate training coordinator
126	Dr. Deena Al- Dubaib	Consultant
127	Dr. Iman Ibrahim Sarkhou	Consultant
128	Dr. Sanaa Al Mansour	Consultant
129	Dr. Maleka Abdul Aziz Serour	Consultant
130	Dr. Ghaida Fajhan Al- Mutairi	Consultant
131	Dr. Anwar Mohammad Bohamra	Consultant
132	Dr. Fareeda Mokaddam	Consultant
133	Dr. Huda Abdul K. Al-Abdul Jaleel	Consultant
134	Dr. Sameera Al Kandari	Consultant
135	Dr. Amal Hamoud Al-Mehza	Consultant
136	Dr. Sawsan Al- Banai	Consultant
137	Dr. Dalal Al- Hajeri	Senior Specialist
138	Dr. Tasneem Yousef Al Jarki	Senior Specialist

PHASE 2 TUTORS – Teaching location – Faculty of Medicine Total 1

139	Dr. Maryam Al Fadhli	Consultant; Infectious Diseases Hospital-Phase II
-----	----------------------	---

VISITING PROFESSORS:

MRCP PACES Examination [Diet I – March 2019]

DR. JAYANT GUPTA,

Consultant Physician [Cardiovascular Medicine],
Royal College of Physicians,
Edinburgh [UK].

DR. John Murphy

Consultant Physician [Haematology]

DR. John Andrew,

Consultant Physician, [Rheumatology],

DR. Syed Mohammad Tariq,

Consultant Physician [Respiratory Medicine]

DR. Fayyaz Ahmed

Consultant Physician [Neurology],

Dr. Imran Aziz

Consultant Physician, [Respiratory Medicine],

External Examiners -2019

Professor Dame Parveen J. Kumar DBE, BSC, MD, DSc, DM, DEd, FRCP, FRCPE, FRCPath, FRCPI

Professor of Medicine & Education
Barts and the London School of Medicine
Queen Mary University of London
Wingate Institute
26 Ashfield St.
London ,E1 2AJ
Email: p.j.kumar@qmul.ac.uk

Professor Humphrey Hodgson DM, FRCP, FMedSci

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Professor Ahmed Salem BaHammam

Professor of Medicine

College of Medicine, King Saud University

King Khalid University, Hospital

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Saudi Arabia

Fax : 966-1-467-9495

Email: ashammam2@gmail.com

ashammam@ksu.edu.sa

VISITING EXTERNAL FACULTY FOR CME PROGRAMMES:

Nil

MSc. STUDENTS

Nil

Ph. D STUDENTS

Nil

SUPPORT STAFF:

TEACHING ASSISTANT

- Dr. Vasanty S. Nair MSc. PhD. NRCC-CC
- Ms. Khazna Al-Owaji

LABORATORY PHYSICIANS

- Dr. Mini Abraham MBBS

SCIENTIFIC ASSISTANTS

- Dr. Arpita Chathopadyay

TECHNICIANS

- Dr. Latha Kerala Varma MSc. PhD. - Chief Technician
- Mrs. Cynthia D'Souza BSc. PG Dip. in Lab. Technology - Senior Technician
- Mrs. Aida Hussein Ali - Senior Technician
- Mrs. Sreeja Attur - Senior Technician

SECRETARIES:

- Mrs. Albertina Quadros - Faculty
- Mrs. Sayed Samina Akther - Faculty

COMPUTER ENGINEERS:

- Mrs Sobha Binoy George

APPLIED SYSTEM ANALYST

1. Mrs. Shahla Elyas Raeisi

STAFFING CHANGES:

Nil

TEACHING IN THE DEPARTMENT PROGRAM

Faculty of Medicine

Undergraduate Teaching:

Phase II:

Year 3

Lectures	...	50 hrs.
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Phase III

Year 5

PBL	...	158 hrs.
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MSD	...	42 hrs.
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Bed Side Teaching		450 hrs.
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Year 6

PBL	...	198 hrs.
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MSD	...	19 hrs.
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Bed Side Teaching	...	450 hrs.
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Year 7

PBL	...	66 hrs.
MSD	...	40 hrs.
Clinical Skills Demonstration	...	60 hrs.
Bedside Teaching	...	250 hrs.

Postgraduate Teaching -

Lectures	...	10 hrs.
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Course Coordinators:

Overall Course Co-ordinator	;	Prof. Nabila Abdella
Phase III Year 3 Co-ordinator	:	Prof. Mousa Khadadah
Phase III Year 1 Co-ordinator	:	Dr. Waleed Al Azmi

Phase II Module Coordinators	:	
Cardiology	:	Prof. Mohammad Zubaid
Genitourinary	:	Dr. Wael El Reshaid
Respiratory	:	Prof. Nasser Behbahani
Neurology	:	Dr. Suhail Al Shammeri
Musculoskeletal	:	Prof. Adel Al Awadhi
Gastroenterology	:	Prof. Iqbal Siddique

Other Faculties

Faculty of Pharmacy

Lectures	-	11 Hrs
Tutorials	-	Nil
Practical (Clinical bedside)	-	120 Hrs
Total	-	131 hrs

Faculty of Dentistry

Lectures	-	28 hrs
Tutorials	-	Nil
Practical (Clinical Bedside)	-	24 hrs
Total	-	52 Hrs

STUDENT ADVISOR

Prof. Nabila. Abdella	-	Number of students	4
Prof. Adel Al Awadhi	-		4
Prof. Mousa Khadadah -		4	
Prof. Nasser Behbehani	-		4
Prof. Mohammad Zubaid	-		4
Prof. Dia Shehab	-		4
Prof. Kamel El-Reshaid	-		4
Prof. Nasser Hayat	-		4
Prof. Khaled Al Jarallah	-		4
Prof. Iqbal Siddique	-		4
Dr. Suhail Al-Shammri -		4	
Dr. Wael El-Reshaid	-		4
Dr. Babu Uthaman	-		4
Dr. Sana Al-Mutairi	-		4
Dr. Faisal Al-Sayegh	-		4
Dr. Laila Qadan	-	4	

RESEARCH AND PUBLICATIONS

Prof. Nabila Abdella

Research Grants:

PRINCIPAL INVESTIGATOR: (Completed Funded Projects)

1. Grant Approved: Project No. 01-1302-2011
A study of Glucose Intolerance and the Associations with Inflammatory Markers in the Kuwaiti Population.
1/10/2012 to 1/2/2018 Budget 116,959 KD
Principal investigator : Prof. N. Abdella
Co-investigator : Prof. O.A. Mojiminiyi
Dr. Fahad Al Mulla
2. Grant Approved: Project No. RM03/13
Genetic Study of Obese Patients undergoing Bariatric Surgery.
Budget : 4000KD
Principal investigator : Dr. Ahmad Al -Serri
Co-investigator : Prof. N. Abdella

1. KFAS Grant No. 2004-1302-03
 “Determinants of Micro-And Macro-vascular Complications of Type 2 Diabetes Mellitus in Kuwaiti patients in relation to the Genotypic, Phenotypic and Biochemical Characteristic.
 Project Leader : Prof. Nabila Abdella
 Project : Completed
 2. Grant Approved: Project No. MM01/06
 “The bacteriology of foot infections and nasal colonization by S.aureus of diabetic patients in Kuwait.
 Principal investigator : Prof. Nabila Abdella
 Project : Completed
-

Prof. Adel Al-Awadi

On-going research

Non- Funded projects

1. Role of protein tyrosine phosphatase non-receptor type 22 gene functional variant [C1858T] in genetic susceptibility of psoriatic arthritis in Kuwaiti Arabs
 2. Role of protein tyrosine phosphatase non-receptor type N22 gene functional variant [C1858T] in genetic susceptibility of rheumatoid arthritis in Kuwaiti Arabs
 3. Role of co-morbidities on disease activity in patients with rheumatoid arthritis – KAAR registry.
 4. Easy Accessibility of Biologics and Its Impact on Disease Activity and Quality of Life in Kuwaiti Patients with Rheumatoid Arthritis
 5. Higher uric acid is associated with a lower disease activity in rheumatoid arthritis patients: results from the Kuwait RA registry
 6. High uric acid as a risk factor for cardiovascular diseases in rheumatoid arthritis patients
-

Prof. Khalid Al Jarallah

✚ Title : The associations of genetic variants in the vitamin D metabolic pathway with vitamin D deficiency and peripheral neuropathy in subjects with Type 2 diabetes mellitus

✚ Title : Cytokine production patterns in Osteoporosis

Funding : Funded

Status : Ongoing

✚ Title : Joint Hypermobility syndrome and Cardiac Arrhythmias.
Funding : Unfunded
Status : Ongoing

Grant Approval:

✚ Fawas Azizieh, Raj Raghupathy, Diaan K Shehab, **Al-Jarallah K** , Renu Gupta. Title: Cytokine Production Patterns in Osteoporosis
Funding agent – KAFS

✚ Fawas Azizieh, Raj Raghupathy, Diaan K Shehab, **Al-Jarallah K** , Renu Gupta. Title: Multi-Parametric Testing of Immunological and Biochemical Markers of Osteoporosis in Postmenopausal Women
Funding agent – KAFS

✚ Prof O. Mojiminiyi, Dr. R. Al-Temaimi, Prof Diaan Shehab, Prof Nabela Abdella, Prof **Khaled Al Jarallah**, Dr R Al Roughani . Title: The Associations of Genetic Variants in the Vitamin D metabolic pathway in vitamin D deficiency and peripheral neuropathy in subjects with Diabetics Mellitus
Funded by Kuwait University (RM02/16)

Dr. Suhail Al Shammeri

✚ Title : Vitamin D binding protein gene polymorphisms in Kuwaiti multiple sclerosis patients and healthy subjects.
Funding: Funded by Kuwait University #MM02/17
Status: Ongoing
P. Invest: Dr. Suhail Al Shammeri

✚ Title : Epstein-Barr virus role in genesis of multiple sclerosis .
Funding: Unfunded
Status: Ongoing
P. Invest: Dr. Suhail Al Shammeri

✚ Title : HLA genotypes in Myasthenia gravis and multiple sclerosis
Funding: Unfunded
Status: Ongoing

P. Invest: Dr. Suhail Al Shammeri

✚ Title : The influence of vitamin D on inflammatory mediators in multiple sclerosis.
Funding: Unfunded
Status: Ongoing
P. Invest: Dr. Suhail Al Shammeri

✚ Title : Vitamin D status – Implications in the Genesis, Clinical Presentation and Prognosis of Multiple Sclerosis in Kuwait Arab Subjects.
Funding: Funded by Kuwait University
Status: Completed
P. Invest.: Dr. Suhail Al Shammeri

Dr. Wael El Reshaid

On-going research:

✚ Title : Acute kidney injury following radiocontrast dye.
Funding : Unfunded
Status : Ongoing

✚ Title : Effect of Denosumab on bone hemodialysis associated osteoporosis.
Funding : Unfunded
Status : Ongoing

Prof. Iqbal Siddique

Co-Investigator:

1. Kuwait University Grant No. MI02/13 (KD 19,695).
Title: "Immunophenotyping of peripheral blood cells in response to infection with the major HCV genotypes before, during and after treatment".
Principal-investigator: Dr. Sahar Essa (Kuwait University, Faculty of Medicine).
Start date: October 1, 2014. End date: September 30, 2017.
2. Kuwait University Grant No. MI02/16 (KD 28,750).
Title: "The influence of neutrophils on the production of cytokines associated with different Th cell subsets in chronic HCV-infected patients".
Principal-investigator: Dr. Sahar Essa (Kuwait University, Faculty of Medicine).
Start date: February 1, 2018. End date: January 31, 2021.

Dr. Sana Al Mutairi

- ✚ PI-investigator for **Immunological Profile of Rheumatoid Patients with Asthma** under Kuwait University grant MM 01/17.
- ✚ 2- PI-investigator for **A Study Of the Risk Factors, Determinants and Prevalence of Chronic Obstructive Pulmonary Disease In The Kuwaiti Population** under KFAST grant (PR17-13MM-05)

Dr. Babu Uthaman

Title:

- ✚ Etiology of pericardial effusion
- ✚ Incidence of congenital heart diseases in Kuwait
- ✚ Long term results of balloon coarctation angioplasty in native coarctation
- ✚ Long term results of balloon pulmonary valvuloplasty
- ✚ Long term follow up of infants with coarctation of the aorta
- ✚ Clinical profile of discrete subaortic stenosis
- ✚ Cardiovascular abnormalities of Down's syndrome.
- ✚ Interventional procedures following modified Fontan operations.

Funding: Unfunded

Status : Ongoing

Dr. Salem Al Shammeri

1. Funded Research a. Refined
 - Biomarkers in Chronic Lymphocytic Leukemia (P11613MM08)
 - b. Molecular aberrations in Myeloproliferative Neoplasms (PR1713MM03)
2. Unfunded Research
 - a. Thrombosis among patients with Myeloproliferative Neoplasms
 - b. Profile of Myeloproliferative Neoplasms

Dr. Waleed Al Azmi

- ✚ Title : Trends in esophageal motility disorders in Kuwait
- Funding: Unfunded
- Status: Ongoing
- P.Invest: Dr. Waleed Al Azmi

✚ Title : The eradication rate of new H.Pylori therapies including Pylera and sequential therapy in Kuwait.

Funding : Unfunded
Status : Ongoing
P.Invest : Dr. Waleed Al Azmi

✚ Title : Yield of capsule endoscopy in patients with obscure gastrointestinal bleeding

Funding : Unfunded
Status : Ongoing
P.Invest : Dr. Waleed Al Azmi

Dr. Jasem Al-Hashel

Ongoing Research:

Currently working on patients with migraine and abnormal MRI signals. Also studying the variables among multiple sclerosis patients. Another study, we are looking for idiopathic intracranial hypertension, prevalence and response to treatment.

Funded:

✚ Prevalence Of Primary Headache Disorders in Kuwait

Unfunded:

- ✚ Use of Traditional Medicine for Primary Headache disorders in Kuwait.
- ✚ Efficacy and tolerability of lacosamide in the Middle East Region.
- ✚ An overview of high Efficacy drugs for multiple Sclerosis
- ✚ Digress level of Unconsciousness due to a depleted deep brain stimulator battery.
- ✚ Thoracic outlet syndrome. Medical versus surgical treatment.
- ✚ Prevalence of multiple sclerosis in Kuwait.
- ✚ Botulinum toxin injection for headache.
- ✚ GBS after traumatic bone injury. Published.
- ✚ Single fiber EMG for diabetic patients.
- ✚ Natalizumab for treatment of multiple sclerosis. Experience in Kuwait.

- + Conversion rate in clinical isolated syndrome, using the revised McDonald's criteria.
 - + Cerebral Venous Thrombosis in a Patient with clinically isolated spinal cord syndrome, case report.
 - + An Adult Patient with Ocular Myasthenia and Unusually Long Spontaneous Remission, case report.
 - + Cutaneous Silent Period in the Evaluation of Small Nerve Fibres.
 - + Migraine misdiagnosis as a sinusitis, a delay that can last for many years.
 - + Increasing prevalence and incidence rates of multiple sclerosis in Kuwait.
 - + Use of fingolimod in patients with relapsing remitting multiplesclerosis in Kuwait.
-

Dr. Muath Alanbaei

Ongoing Research

Title: Applied to KFAS for a grant (still in processes)

Funding: Funded

Status: Ongoing

Non- Funded projects:

Title: New biochemical markers of cardiovascular disease in diabetic patients.

Funding: Unfunded

Status: Ongoing

Title: Adult Congenital Heart Disease Prevalence in Kuwait

Funding: Unfunded

Status : Ongoing

Dr. Jaber Al Ali

Non- Funded projects:

Title : Endoscopic Treatment Of Obesity: Kuwait Experience

Funding: Unfunded

Status: Ongoing

Dr. Fatima Ali

Title: Relationship between anemia and cardiovascular disease in a Kuwaiti cohort

Funding: Unfunded

Status : on-going

Name of principal investigator: Dr. Faisal Alsayegh

Name(s) of co-investigators: Dr. Fatima Ali, Dr. Mohammed Zubaid

Prof. Dia Shehab**Sabbatical Leave**

Dr. Fahad Al Mutawa

[On 1 Year, Leave 2018 – 2019]

Publications:**Prof. Nabila Abdella****Published Papers/Papers accepted for publication:**

1. Al-Serri A, Al-Bustan SA, Kamkar M, Thomas D, Alsmadi O, Al-Temaimi R, Mojiminiyi OA, **Abdella NA**. Association of FTO rs9939609 with Obesity in the Kuwaiti Population: A Public Health Concern? Med Princ Pract. 2018 : 1-7.
2. Khalil AB, Beshyah SA, **Abdella N**, Afandi B, Al-Arouj MM, Al-Awadi F, Benbarka M, Ben Nakhi A, Fiad TM, Al Futaisi A, Hassoun AA, Hussein W, Kaddaha G, Ksseiry I, Al Lamki M, Madani AA, Saber FA, Abdel Aal Z, Morcos B, Saadi H. Diabetes in the Arabian Gulf: Challenges and Opportunities. Oman Med J. 2018 Jul;33(4):273-282
3. **Abdella NA**, Mojiminiyi OA. Vitamin D Binding Protein Clearance ratio is significantly associated with Glycemic Status and Diabetes Complications in a predominantly Vitamin D deficient population. J Diabetes Res. 2018 May 20;2018
4. **Abdella NA**, Mojiminiyi OA. Clinical Applications Of Adiponectin Measurements In Type 2 Diabetes Mellitus - Screening, Diagnosis and Marker of Diabetes Control. Disease Marker, July 5; 2018.
5. Al-Awadi, Al-Saweer, Al-Musalhi, Husain T, **Abdella N**, Al Busaidi N, El-Koush O. Clinical profile of patients with type 2 Diabetes Mellitus initiating insulin treatment in the Arabian Gulf. (in press)

Published Abstracts – Poster Day – 2018-2019

1. **Abdella NA** , Mojiminiyi OA, Al-Mohammedy H , Pinto C, Issac JM. Linking Nephropathy, Neuropathy and Ischaemic Heart Disease in Type 2 Diabetes – Is Fetuin the missing Link? Abstract No: 65, 2018.
2. **Abdella NA** , Mojiminiyi OA, Al-Mohammedy H , Pinto C. Potential Clinical Utility of Galectin-3 as a Biomarker of Prediabetes and Complications of Type 2 Diabetes Mellitus. Abstract No: 68, 2019.

Prof. Adel Al-Awadi

1. **Al-Awadhi AM**, Haider MZ, Sukumaran J, Balakrishnan S. High prevalence of protein tyrosine phosphatase non-receptor N22 gene functional variant R620W in systemic lupus erythematosus patients from Kuwait: implications for disease susceptibility. BMC Rheumatol. 2018 Mar 16;2:7. doi: 10.1186/s41927-018-0015-x. eCollection 2018.
2. AlEnizi A, AlSaeid K, **Alawadhi A**, Hasan E, Husain EH, AlFadhli A, Ghanem A, Abutiban F, Ali Y, Al-Herz A, Mohammed K, Alkandari W, Aldei A, Alhajeri H, Dehrab A, Hayat S. Kuwait Recommendations on Vaccine Use in People with Inflammatory Rheumatic Diseases. Int J Rheumatol. 2018 May 13;2018:5217461. doi: 10.1155/2018/5217461. eCollection 2018. Review.
3. Hebah Alhajeri; Fatemah Abutiban; Wasl Al-Adsani; **Adel Al-Awadhi**; Ali Aldei; Ahmad AlEnizi; Naser X Alhadhood; Adeeba Al-Herz; Waleed Alkandari; Ahmad Dehrab; Aqeel A. Muhanna Ghanem; Eman Hasan; Sawsan Hayat; Khulood Saleh; Hoda Tarakme; Yaser Ali. Kuwait Association of Rheumatology 2018 Treatment Recommendations for Patients with Rheumatoid Arthritis. (Submitted for Publication to Rheumatology International).

Prof. Mousa Khadadah

1. Adekile, A.D., Azab, A.F., Owayed, A., **Khadadah, M.** Correlates of Pulmonary Function in Children with Sick Cell Disease and Elevated Fetal Hemoglobin. (2018) Medical Principles and Practice, 27 (1), pp. 49-54.

Prof. Fuad Hassan

1. Polaris Observatory Collaborators Global Prevalence, Treatment and prevention of hepatitis B 2016. Lancet Gastroenterology and Hepatol 2018;3;383-403

Prof. Khalid Al Jarallah

1. F. Azizieh, **K. Al-Jarallah**, D. Shehab, R. Gupta, Kamaludin D, Raj Raghupathy. Circulatory pattern of cytokines, adipokines and bone markers in postmenopausal women with low BMD . [Accepted for publication in Journal of Inflammation Research 2018].
2. F. Azizieh, R. Reghupathy, D. Shehab, **K. Al-Jarallah**, R. Gupta. Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low bone mineral density. [Accepted for publication in Biomarker Insights]

Publications in the past years with undergraduate student as coauthors

Khaled Al-Jarallah, Diaa Shehab, Munirah T. Al-Jaser, Khaled M. Al-Azemi, Fatma F. Wais, Ahmed M. Al-Saleh, Abdulhadi S. Al-Ajmi, Hamad A. Al-Omairah, Mini Abraham and Prem N. Sharma. Prevalence of joint hypermobility in Kuwait. International Journal of Rheumatic Diseases 2017; 20 (8) 935–940

Prof. Kamel El-Reshaid

1. Kamel El-Reshaid, Shaikha Al-Bader, Gamal Abdulnasr. **Unstable angina as the first manifestation of a relapse in polyarteritis nodosa."** Kuwait Medical Journal 2018; 50: 354-356.
2. Shaikha Al-Bader, Kamel El-Reshaid, Dalal Al-Bader. **Recovery of kidney function after 2 years on hemodialysis due to intra-renal thrombotic microangiopathy induced by Interferon Beta-1a.** Int J Med Res Prof 2018; 3: 2210-2212.
3. Kamel El-Reshaid, Dalal Al-Bader, Jozsef Varro, John Madda, Hosameldin Tawfik Sallam. **Biopsy of small kidneys: a safe and a useful guide to potentially treatable kidney disease.** . Saudi J Kidney Dis Transpl 2017;28(2): 298-306.

i. (Cited & indexed)

4. Kamel El-Reshaid, Shaikha Al-Bader. **Hypercalcemic crisis in as a prodromal feature of Pneumocystis jirovecii pneumonia.** Saudi J Kidney Dis Transpl 2018;29(4):993-996

i. (Cited & indexed)

5. Kamel El-Reshaid, Wael El-Reshaid, Shaikha Al-Bader, Hossameldin Tawfik Sallam, Abbass Ali Hakim, Rajaa Al-Attiyah. **New protocols for treatment of class IV lupus nephritis with emphasis on Rituximab as the sole maintenance therapy.**
 - a. Kuwait Medical Journal 2018; 50: 343-350.

i. (Cited & refereed)

6. Shaima Al-Bader, Shaikha Al-Bader, Kamel El-Reshaid. **The spectrum of adverse drug reactions in a multidisciplinary kidney clinic.** JDDT 2019; 9: 61-67.

i. (Cited & refereed)

7. Shaima Al-Bader, Kamel El-Reshaid. **Adalimumb-induced systemic vasculitis following treatment of Hidradenitis suppurativa.** Int J Med Res Prof 2019; 5: 123-125.

i. (Cited & refereed)

8. Shaima Al-Bader, Kamel El-Reshaid. **Rituximab therapy for severe idiopathic chronic urticaria with recurrent angioedema.** Int J Med Res Prof 2019; 5: 118-120.

i. (Cited & refereed)

Papers accepted for publication:

Shaima Al-Bader, Kamel El-Reshaid. **The Pattern of skin diseases in a multi disciplinary medical unit.** Kuwait Medical Journal

(Cited and indexed)

Prof. Nasser Behbehani

1. Ali F, **Behbehani N**, Alomair N, Taher A. Fatal and near-fatal thunderstorm asthma epidemic in a desert country. Ann Thorac Med. 2019 Apr-Jun;14(2):155-160.
2. Alzaabi A, Idrees M, **Behbehani N**, Khaitov MR, Tunceli K, Urdaneta E, Awad N, Safwat M. Cross-sectional study on Asthma Insights and Management in the Gulf and Russia. Allergy Asthma Proc. 2018 Nov 16;39(6):430-436
3. Tarraf H, Al-Jahdali H, Al Qaseer AH, Gjurovic A, Haouichat H, Khassawneh B, Mahboub B, Naghshin R, Montestruc F, Behbehani N. Asthma control in adults in the Middle East and North Africa: Results from the ESMAA study.
 - a. Respir Med. 2018 May;138:64-73

Prof. Iqbal Siddique:

a) Papers published : None

b) Abstract presentations in conferences

1. Essa S, Siddique I, Al-Nakib W, Raghupathy R. The influence of neutrophils on the production of cytokines associated with different Th cell subsets in chronic HCV-infected patients with compensated liver disease. 24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

2. Essa S, Al-Attiyah R, Siddique I. The Conceivable Influence of Persistent Genotype-4 Hepatitis C Virus Infection on Cellular Immune Subsets before, during and after Pegylated Interferon- α and Ribavirin Therapy. 10th International Virology Summit & 4th International Conference on Influenza & Zoonotic Diseases, Vienna, Austria, July 2-4, 2018.

b. Attendance in conferences and courses

1. Annual Meetings of the American Gastroenterological Association (AGA), American Society of Gastrointestinal Endoscopy, American Association for the Study of Liver Diseases and Society for Surgery of the Alimentary Tract at the Digestive Disease Week (DDW)®, San Diego, California, USA, May 18-21, 2019.
2. GEM Endoscopy Summit 2019, Dubai, UAE, April 11-12, 2019.
3. 1st Kuwait Gastroenterology Association Conference, Kuwait, March 29-30, 2019.
4. European Crohn's and Colitis Organisation (ECCO) '19 Congress, Copenhagen, Denmark, March 6-9, 2019.
5. Kuwait Gastroenterology Association GI and Hepatology Masterclass, Kuwait, December 15, 2018.
6. Workshop on Digital Spyglass training, Humanitas Hospital, Milan, Italy, September 25-26, 2018.

Dr. Wael El Reshaid

1) Publications:

In review:

El-Reshaid W, Al-Disawy H, Nassef H, Alhelaly U.

Impact of first peritonitis on patient and technique survival in patients on peritoneal dialysis.

- **El-Reshaid W**, El-Reshaid K, Al-Bader S, Ramadan A, Madda J. Complementary bodybuilding: A potential risk factor for permanent kidney disease. **Saudi J Kidney Dis Transpl.** 2018 Mar-Apr;29(2):326-331.

Dr. Salem Al-Shemmari

1. Ameen, R., **Shemmari, S.** Al, & Askar, M. (2018). Next-generation sequencing characterization of HLA in multi-generation families of Kuwaiti descent. Human Immunology. <https://doi.org/10.1016/j.humimm.2017.12.012>
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Submitted

1. Outcome of hematopoietic stem cell transplantation using busulfan for conditioning regimens in adult patients with hematologic malignant diseases. Kamal Matter, **Salem Alshemmari**, Reem Ameen et al
2. Primary Mediastinal Lymphoma In Kuwait. **Salem Alshemmari**, Abdulaziz Hamada, Rehab Alhagracy.

Dr. Waleed Alazami

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Dr. Muath Alanbaei

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12. Christus T, Shukkur AM, Rashdan I, Koshy T, Alanbaei M, Zubaid M, Hayat N, Alsayegh A. Coronary Artery Disease in Patients Aged 35 or less - A Different Beast? *Heart Views*. 2011 Jan;12(1):7-11.
13. Al-Hay AA, Shaban LA, Al-Qbandi MA, Alanbaei M. Occlusion of Fontan fenestrations using Amplatzer septal occluder. *Int J Cardiovasc Imaging*. 2011 Apr;27(4):483-90.
14. Thalib L, Zubaid M, Rashed W, Suwaidi JA, Almahmeed W, Alozairi E, Alanbaei M, Sulaiman K, Amin H, Al-Motarreb A. Impact of Diabetic Status on the Hyperglycaemia Induced Adverse Risk of Short Term Outcomes in Hospitalized Patients with Acute Coronary Syndromes in the Middle East: Findings from the Gulf Registry of Acute Coronary Events (Gulf RACE). *Clin Med Res*. 2011 Mar;9(1):32-7.
15. Amira Ahmad Abdulla Hay Al-Hay, Lulu Abushaban, Ali Al-Hassan, Muath Alanbaei, Velimir Stojanovic. Short and Long Term Outcomes of Repaired Complete Atrioventricular Septal Defects: Risk Factor Analysis. *Kuwait Medical Journal* 2010; 42 (1): 38-45
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17. Alanbaei M, Jutras L, Therrien J, Marelli A. Iatrogenic cyanosis and clubbing: 25 years of chronic hypoxia after the repair of an atrial setal defect. *Can J Cardiol*. 2007 Sep;23(11):901-3.
18. Muath Alanbaei, Suzanne Morin, Thao Huynh. A Complex Atheromatous Plaque of the Thoracic Aorta: The Role of Transesophageal Echocardiography. *Kuwait Medical*

Journal 2007, 39 (3): 268-270.

19. Muath Mohammed Alanbaei, Richard Haichin, Ian Malcolm. Pulmonary Embolus in Transit treated with Thrombolysis: Risk Stratification with Transthoracic Echocardiography. Kuwait Medical Journal 2005, 37 (4): 292-294.

Dr. Suhail Al Shammeri

Research papers accepted at international conferences:

1. Abu S. Mustafa, Suhail Al Shammari, Arpita Bhattacharya. Phenotypes of vitamin d binding protein in healthy sybjects of Kuwait. BIOSPECTRUM 3rd International Conference on Biotechnology & Biological Sciences 8th to 10th August 2019.

Manuscripts (paper) under preparation:

1. Suhail Al Shammari, Abu S. Mustafa, Arpita Chattopadhyay. Distribution of Vitamin D Binding Protein Gene Subtypes in Kuwaiti Population.
2. Suhail Al Shammari, Abu S. Mustafa, Arpita Chattopadhyay. Role of Vitamin D Binding Protein Gene Polymorphisms in Vitamin D Deficiency in Healthy Kuwaiti Subjects.

Dr. Jasem Al-Hashel

Funded:

- ✚ Prevalence Of Primary Headache Disorders in Kuwait

Unfunded:

- ✚ Use of Traditional Medicine for Primary Headache disorders in Kuwait.
- ✚ Efficacy and tolerability of lacosamide in the Middle East Region.
- ✚ An overview of hight Efficacy drugs for multiple Sclerosis
- ✚ Digress level of Unconsciousness due to a depleted deep brain stimulator battery.
- Cerebral Venous Thrombosis in a Patient with Clinically Isolated Spinal Cord Syndrome, case report.

An adult patient with Ocular Myasthenia and unusually Long Spontaneous Remission, case report.

Cutaneous Silent Period in the Evaluation of Small Nerve Fibres.

Migraine misdiagnosis as a sinusitis, a delay that can last for many years.

Increasing prevalence and incidence rates of multiple sclerosis in Kuwait.

Use of fingolimod in patients with relapsing remitting multiplesclerosis in Kuwait.

Dr. Fatima Ali:

Fatima Ali, Naser Behbehani, Noura Alomair, and Assad Taher Fatal and near-fatal thunderstorm asthma epidemic in a desert country Annals of Thoracic Medicine, 2019 Apr-Jun; 14(2): 155–160

Dr. Babu Uthaman Chulliparambil

Long term follow-up and outcomes of discrete subaortic stenosis in children. Abushaban L, **Uthaman B**, Selvan JP, Al Qbandi M, Sharma PN, Mariappa TV. Ann Pediatr Card 2018 (Accepted for publication)

Dr. Tariq Bader Al Fahad (None)

Dr. Fahad Almutawa [On 1 Year Leave 2018 – 2019]

Participation in Ministry/Government activities

Professor Nabila Abdella

Hospital Service

- Chairperson, Department of Medicine, Mubarak Al Kabeer Teaching Hospital, Ministry of Health, May 2008 March 2012.
- Head of Internal Medicine Unit D and Diabetes Unit Services
- Bed occupancy – approximately 50 to 60 beds according to admission number.
- Duty rota of the unit – every 4th day.
- Medical Outpatients covered by the Unit – Total 7 medical outpatients weekly
- Diabetic outpatients covered by the Unit - Total 6 outpatients weekly
 - Diabetic Foot Clinic
 - Fundus Clinic
- Fundus photography – 2 sessions weekly
- Diabetic consultations on surgical wards for pre- and post-operative diabetic control.
- Combined Medical and Surgical clinic for the diabetic foot and offering daily dressing services including week ends.

- One day public education on diabetes in Kuwait Diabetes Society at 4 months interval.

Teaching Activities

1. MRCP (UK) Part 2 Clinical Examination PACES Host Examiner for whole examination and Examiner on behalf of the Royal College of Physicians, UK, in Kuwait.
2. Examiner for Kuwait Board in Medicine organized by KIMS.
3. Final Year BM BCh Examiner
4. Phase III Overall Coordinator

Undergraduate Teaching

- Bedside teaching:
 - 1st Clinical year students - 2 hours (1 session weekly)
 - 3rd Clinical Year - 2 hours (1 session weekly)
 - PBL and MSD phase III year 1 total 15 hours per academic year.
 - Old Curriculum 7th year students throughout the week during clinical rounds.
 - Emergency Medicine 3rd clinical year 2 lectures
 - MDS – Diabetes Mellitus 1st clinical year
 - CPC metabolic disorders in collaboration with Department of Pathology (2 hours)
 - CPC Diabetes mellitus in collaboration with Department of Pharmacology (2 hours)

Postgraduate Teaching

- ☒ Chairperson of the Fellowship in Diabetology 3 years' program.
- ☒ Clinical teaching rounds and case discussions for candidates in the Kuwait Internal Medicine Board posted in my unit as well as trainee doctors and other postgraduate members in my unit.
- ☒ Training for doctors appointed to the Primary Care Services in satellite diabetic clinics.

Prof. Mohammed Zubaid

- Consultant Cardiologist - Mubarak hospital.
- Head of Cardiology division - Mubarak hospital

Prof. Kamel El-Reshaid:

- Consultant Nephrologist - Amiri Hospital
- Head of Nephrology Services - Amiri hospital
- Head of Adeliya Dialysis Centre.
- Editor of Medical Sciences - The Journal of Kuwait Medical Association.
- Chairman, Dialysis and Renal Transplantation Committee of Kuwait.
- Member of Kuwait Organ Transplantation Committee.
- Member of “International Advisory Board ” of “:Kidney Focus” the official Journal of the Arab Society of Nephrology and Renal Transplantation.
- Regional Officer of Kuwait in the Arab Society of Nephrology and Renal Transplantation Organization.
- Regional officer for Kuwait in Renal Disease, Dialysis and Transplantation registry of Arab countries.

Prof. Nasser Hayat

- Consultant Cardiologist - Chest Hospital
- Committee evaluating chairman of different departments and promotion of the Faculty members.

Prof. Fuad Hasan

- Consultant Gastroenterologist – Mubarak hospital
- Member, Board of Trustees of the national Bureau of Accreditation
- Head of the Committee for accrediting International Medical Training Centers, Ministry of higher Education

Prof. Dia Shehab (Sabbatical Leave 2018-2019)

- Head of Physical Medicine and Rehabilitation Unit, Mubarak Hospital, Kuwait.

Prof. Adel Al-Awadhi

Membership to committees

- Fellow of American College of Physician (FACP).

- Fellow of American College of Rheumatology (FACR).
- Fellow of Royal College of physicians & Surgeons of Ontario, Canada (FRCPC).
- Fellow of Canadian Rheumatism Association (CRA).
- Member of American Medical Association (AMA).
- Member of Pan Arab League against Rheumatism (PALAR).
- Member of Kuwait Medical Association (KMA).
- Member of Asian Pacific League against Rheumatism (APLAR).
- President of Kuwait Association of Rheumatology (KAR).

Teaching Activities

Undergraduate

- * Teaching clinical sessions (bedside teaching), Problem based Learning (PBL), and Medical School Day (MSD) lectures of the musculoskeletal system for phase III Year 5 students.
- * Teaching MSD lectures of the musculoskeletal system for phase III Year 6 students.
- * Teaching MSD lectures of the musculoskeletal system for phase III Year 7 students.

Postgraduate

- * Teaching KIMS Postgraduate Kuwaiti Board General Medicine residents.
- * Teaching KIMS Postgraduate Ophthalmology Program residents.
- * Teaching KIMS Postgraduate Dermatology Program residents.

Hospital services

- * Looking after inpatients, outpatients and emergency patients.
- * Covering consultations in-hospital, outhospital and emergency.
- * Doing in-hospital grand round
- * Doing outpatient clinics
- * Doing inter-hospital rheumatology meetings

Prof. Nasser Behbehani

- Consultant in Respiratory Medicine , Mubarak Hospital.
- Member, Committee for initiation of Kuwaiti Medical Licensing exam.
- Member – Self evaluation and accreditation committee.

Prof. Khalid Al Jarallah

-  Consultant Internist, Mubarak Hospital, Kuwait.

Teaching Activities:

Undergraduate Courses

Fifth year (500 & 501, 0580 504 & 0580 505)

Sixth year (0580 604)

Seventh year (704/705)

Graduate Courses

Bedside teaching, Grand rounds, Clinical skills.

Postgraduate Courses:

- Clinical teaching for resident in internal medicine programme (PGTP - Kuwait Board).
- Clinical teaching and didactic teaching for resident in Family Medicine Programme - Kuwait.
- Clinical teaching for resident in Clinical Immunology Programme - MRCPPath in Kuwait.
- Clinical teaching for resident in Internal Medicine & Rheumatology programme (KIMS programs and external programs).
- External Examiner for Postgraduate Internal Medicine Program – Arab Board, Saudi Arabia
- Examiner for Bachelor Degree in Medicine and Internal Medicine, Kuwait
- External Examiner for Internal Medicine MRCP (U.K.)

Student advisor

Mentor, The Kuwait Medical Student Association, FOM, Kuwait University

Hospital services

Head of Rheumatology Unit, Consultant Internist, Jaber Hospital, Kuwait.

Prof. Mousa Khadadah

- Consultant in Respiratory Medicine - Mubarak hospital.
- Head, Division of Respiratory Medicine, Mubarak Hospital.
- Coordinator of phase III Curriculum
- Head of the scientific Committee in the “Third Middle East Asthma and COPD conference” 24-26 Jan -2019.

Prof. Adnan Abal

- Consultant in Respiratory Medicine.
- President IUTLD, Middle East Region.
- Member of Scientific Committee of TB Bulletin of M.E. IUTLD.
- Head of Chest Society, Kuwait Medical Association.
- Head of Mortality and Morbidity Committee, Chest Diseases hospital.

Prof. Nawaf Al-Mutairi

- Head – Dermatology Division, Farwaniya Hospital.

Total Undergraduate Teaching Hours:

Clinical Teaching:	12h per week each semester
Lectures/Tutorial:	6 Hours
PBLs	9 Hours per semester 18h

Postgraduate Teaching:

Title of the Course(s):	KIMS, Post-Graduate Training Program Internal Medicine
Total No. of hours:	9 Hours per semester

Prof. Iqbal Siddique

1. Full time clinical work at the Gastroenterology Department, Thunayan Al-Ghanim Gastroenterology Center, Al-Amiri Hospital, Kuwait, as a consultant gastroenterologist. This involves daily work at the hospital including outpatient clinics and consultations, inpatients ward rounds, performing gastrointestinal endoscopy procedures and providing emergency gastrointestinal endoscopy and consultation after working hours for all Ministry of Health hospitals in Kuwait.
2. Member of the Department Council of the Gastroenterology Department, Thunayan Al-Ghanim Gastroenterology Center, Al-Amiri Hospital, Kuwait.

Teaching Load:

Undergraduate Teaching **Total Semester I (87h) Semester II 113h)**

Clinical Teaching
Lectures/Tutorials
PBL + MSD

Postgraduate Teaching **Total Hours (Semester I (12h) Semester II (12h)**

Clinical Teaching
Lectures/Tutorials

Graduate / Postgraduate Teaching: **24 Hours**

Title of the Course(s): KIMS, Post-Graduate Training program
Internal Medicine
Total No. of hours: 24 Hours

Total Undergraduate Teaching Hours: **200 Hours**

Clinical Teaching: 90 Hours
Lectures/Tutorial: 94 Hours
PBLs 16 Hours

Dr. Babu Uthaman C.

Hospital Service

- Consultant Cardiologist, Department of Cardiology, Chest Diseases Hospital.
- Consultant, Department of Pediatric and Congenital Cardiology, Chest Diseases Hospital, Kuwait.
- Member, Utilization Committee, Chest Hospital, Kuwait.

Teaching Activities:

- Teaching of undergraduate medical students.
- Teaching of postgraduate students in General Medicine.
- Teaching of postgraduate students in Pediatrics.
- Coordinator, 6th Year Clinical teaching, Chest Disease Hospital.
- Chairman 6th Year Examinations.

- Assistant Director, Pediatric Cardiology Fellowship , KIMS

Total Undergraduate Teaching Hours:

- Clinical Teaching - 284.5
- Lectures/Tutorial - 4.5
- PBLs - 8

Graduate / Postgraduate Teaching

- Title of the Course : Pediatric PG & Pediatric Cardiology Fellowship
- No. of hours : 206

Dr. Suhail Al-Shammari

- Consultant Neurologist - Mubarak Hospital
- Head of Neurology Division, Mubarak hospital
- Fellow of American Academy of Neurology.
- Representative of Associate Professors in Faculty Council.
- Examiner - Neurological board KIMS.
- Expert for Ministry of justice appeal Court cases.

Hospital Service:

- Provide comprehensive clinical service in Mubarak Al-Kabir Hospital including active in-patient and consultation services to other departments in hospital, as well as running 7 outpatient clinics, including two clinical neuro-immunology and multiple sclerosis clinics.
- Given intravenous thrombolytic therapy for acute stroke patients.
- Continue to provide the hospital with active electro-diagnostic tests such as multimodality evoked responses, EMG, EEG and Nerve Conduction Studies.
- CSF Electrophoresis service provided to hospitals in Kuwait to help in the diagnosis of inflammatory nervous disorders such as in multiple sclerosis.
- The Neurology Division has continued to provide the service outpatients evening clinics with 3 clinical clinics and another clinical clinic and EEG clinic.
- Botox Clinic has been established in Mubarak Al Kabeer Hospital for the first time and has already given botox treatment for patients with movement disorders and headache.

Teaching load 2018 – 2019:

Graduate / Postgraduate Teaching

Title of the Course(s) : Neurology residency program lectures & Internal medicine board review

Total No. of hours : 480 Hrs.

Total Undergraduate Teaching Hours:

Clinical Teaching - 210

Lectures/Tutorial - 15

PBLs - 8

- Neuroscience course- fourth year
- Bedside teaching of clinical years particularly during sixth year rotations.
- MSDs: 5th, 6th and 7th years
- PBLs: 5th, 6th years
- Examinations: written, OSCE (5th, 6th, and 7th) and clinical final year examination.
- Committees: Examination committees: Co-Chair of 6th year

Dr. Salem Al-Shemmari

- Consultant Hematologist - Amiri Hospital & KCCC.
- Coordinator, 5th year Hematology system Course.
- Member, Cancer Prevention Committee - MOH.
- Member, Organ Transplant Committee.
- Member of the committee that designed Yucaob Behbehani Bone Marrow Transplantation Center.
- Member of the higher committee for treatment abroad.
- Member of the committee to oversight the implementation of Ministry of Health contract with international universities to improve Cardiac and Cancer centers in Kuwait.
- Member to establish a cord blood bank in Kuwait.

Dr. Wael El-Reshaid

HOSPITAL SERVICE:

- ✚ Consultant nephrologist and head of renal unit – Al-Sabah medical area.
- ✚ Head of Al-Nafisi Kidney Center.
- ✚ Working in full capacity to ensure “optimum” patient care for inpatients and consultation of renal service in Al-Sabah area.
- ✚ Development of KIMS accredited CME program for renal unit at Al-Nafisi center.
- ✚ Fulfillment of the of computerized data base system for Al-Nafisi dialysis center.
- ✚ Participation of the teaching rounds and seminars at Al-Sabah hospital
- ✚ Coverage of Al-Sabah area in terms of nephrology outpatient clinic and renal consultations.

Teaching load 2017 – 2018:

- a) First semester:
 - Clinical sessions: 60 hours
 - PBL: 6 hours
 - Didactic lectures: 2 hours
- b) Second semester:
 - Clinical sessions: 60 hours
 - Didactic Lectures: 14 hours
- c) Graduate teaching load (hospital based):
 - Clinical sessions & rounds: 80 hours

Student advisor:

- 4 students have been assigned.

Dr. Sana Al-Mutairi

Head of the Respiratory unit Al-Amiri hospital, Ministry of Health, carrying both administrative and full clinical duties.

and Senior Consultant of Respiratory Medicine, carrying both inpatient and out-patient clinical care, including diagnostic procedures as Bronchoscopy both fiber-optics and Endoscopic Ultrasound, Sleep Studies both at the sleep laboratory and outside sleep lab at the general wards, Ventilatory care of sick patients with Respiratory Failure in the wards, supporting ventilator care for patients with chronic Ventilatory Failure on home ventilators, cardio-pulmonary exercise

testing for patients with different co-morbidities and respiratory impairment, beside running the Pulmonary Function Laboratory

Teaching:

A-Under graduate:

1. lecturer for 5th year students in respiratory course block teaching
2. Representative of the Medical department at the Respiratory course module as well as Lecturer for 3th year students in respiratory course block teaching phase II
3. PBL and Medical school days teaching for the Phase III, first, second and third year students in the respiratory block.
4. Carrying related examinations of the current curriculum both clinical, written and OSCE.

B- Post graduate teaching

1. Supervising the Kuwait Board Respiratory Medicine Residents at Al-Amiri hospital , Respiratory Unit
2. PGTP students teaching through their posting at the Respiratory unit at Al-Amiri hospital with one or two resident at a time each has an 8 weeks rotation in our respiratory unit.
3. Participation in the postgraduate exams for PACES and PGTP examination.

Dr. Waleed Al-Azmy

- Management of Gastroenterology & Hepatology Clinics.
- Management of Liver Transplant patients.
- Consultation for other speciality for management of patients with gastrointestinal diseases admitted to their services.
- Management of inpatient ward of Gastroenterology and Hepatology.
- Provide consultation regarding hepatobiliary diseases and indications for ERCP for patients in Amiri Hospital, Sabah Hospital (and its subspeciality hospitals), Adan Hospital, Jahra Hospital, Military Hospital, and KOC Hospital.
- Performance of endoscopic procedures referred from different hospitals, this includes :-
 - Upper endoscopy : diagnostic and therapeutic.
 - Colonoscopy : diagnostic and therapeutic.
 - Percutaneous endoscopic gastrostomy
 - Endoscopic retrograde cholangiopancreatogram: diagnostic and therapeutic.
 - Capsule Endoscopy.
 - Double balloon Enteroscopy.
- Attending on calls for acute gastrointestinal emergencies and performing emergency endoscopies for various cases which includes :-
 - Acute upper GI bleeding.

Acute lower GI bleeding.
Acute ascending cholangitis
Foreign body impaction / ingestion
Colonic pseudo-obstruction.

- Management of complicated hepatobiliary cases referred from around the country and applying the most appropriate endoscopic therapy.
- Chief coordinator of clinical tutors at Amiri Hospital.
- Clinical teaching of 5th, 7th year and phase II students.
- Examiner for the 5th and 7th year mock examination.
- Postgraduate students teaching of the Kuwaiti board (Medical & Surgical).
- Hospital Committees including Purchasing, infection control, accreditation and medical boards.

Teaching Load:

(a) Undergraduate Teaching :

Didactic Teaching: 24 hours
Clinical Teaching: 195 hours [Bedside / Tutorials]

(b) Graduate Teaching :

Clinical Teaching : 25 hours

KIMS – Kuwait Institute for Medical Specialization
PGTP - Postgraduate Training Program.

Dr. Laila Qadan

- Consultant Endocrinologist - Mubarak hospital.

Dr. Muath Alanbaei

- ✚ Full time work as an adult cardiologist and adult congenital heart disease specialist.
- ✚ Established an Adult Congenital Heart Disease Unit in Chest Disease Hospital
- ✚ Organized Daily Educational program for the year 2018-2019 in Chest Hospital

Teaching Load: - Undergraduate & Postgraduate

First semester – 146

Second semester – 152

Student Advisor:

- Elective coordinator of students from Kuwait & Overseas to Cardiology at chest hospital.

Dr. Jasem Al-Hashel

- ✚ Adult Neurologist and Headache specialist.
- ✚ Chairman of Neurology Department at Ibn Sina Hospital.
- ✚ Associate Professor of Neurology at the Kuwait University, Faculty of Medicine in Kuwait.
- ✚ Run the headache and the Botox Clinic at Mubarak and Ibn Sina hospitals.
- ✚ Chair of the Faculty of Neurology in Kuwait.
- ✚ Established the headache clinics in Kuwait.
- ✚ Established the epilepsy monitoring unit in Kuwait.
- ✚ Established the Botox Clinic at Mubarak Al-Kabeer Hospital.
- ✚ Member of the American Neurological Society.
- ✚ Member of the American Headache Society.
- ✚ Member of Kuwait Neurological Society.
- ✚ Member of Kuwait Medical Society.

Postgraduate Teaching:

I teach all of the following residents:

Internal Medicine residents (6 residents per year).

Neurology residents (2-3 residents per month).

Physiotherapy residents (1 residents per month).

Undergraduate Teaching:

Phase III Students (4 groups per year), each group around 8-10 students)

PBL (2-3 groups per year) around 15 hours per year

MSD: (5th year 6th year 7th year)

Total Teaching Load approximately: 450 hours.

Dr. Jaber Al-Ali

Teaching Load:

<u>Graduate / Postgraduate Teaching:</u>	20 Hours
Title of the Course(s):	KIMS, Post-Graduate Training Program Internal Medicine
Total No. of hours:	20 Hours

Total Undergraduate Teaching Hours: **200 Hours**

Clinical Teaching:	90 Hours
Lectures/Tutorial:	94 Hours
PBLs	16 Hours

Dr. Fahad Al Mutawa - [on 1 Year, Leave 2018 – 2019]

Dr. Ebaa Al Ozairi -- [on 1 Year, Leave 2018 – 2019]

Dr. Fatima Ali

Phase II Clinical Skills coordinator (Year3 & 4) at Kuwait University – Department of Medicine.
Year 5 Exam Coordinator at Kuwait University – Department of Medicine.

Teaching Load:

Faculty of Medicine

a) Undergraduate teaching

Lectures	: 0
Tutorials/Seminars	: 16
Practicals	: 30

Total teaching hours per given to	
Students per year	: 2 hours/ week
Course coordinators	: Phase II clinical skills.

Hospital Services:

Outpatient clinic – 16 hours/week

In-patient consultation service – 1 hour/week

Contribution to committees in the Faculty / University:

Prof. Nabila Abdella

Academic Honours:

- ✚ Chairperson, Department of Medicine, Faculty of Medicine, November 2007 to date.
- ✚ Chairperson, Department of Medicine, Mubarak Al Kabeer Teaching Hospital, Ministry of Health, May 2008 to March 2012.
- ✚ Re-appointed International Advisor to the Royal College of Physicians (UK) representing Kuwait, 2008 to date.
- ✚ Appointed Regional Officer for MRCP examinations, 2007 to date.
- ✚ Member of the advisory committee for appointments and promotions of academic members in scientific faculties, October 2007 to October 2011.
- ✚ Re-appointed member of the International Advisory Panel for the text book of Medicine – Clinical Medicine: Kumar & Clark, 2008 to date.
- ✚ Appointed member of the Faculty Research Award Committee 2007– 2009 and 2012.
- ✚ Re-appointed member of the HSC committee on the protection of Human subjects in Research, 2007 to date.
- ✚ Appointed Reviewer for Nutrition, Metabolism and Cardio vascular Diseases Journal, 2008 to date.
- ✚ Chairperson, Postgraduate Program in Medicine, Kuwait Institute for Medical Specialization, November 2007 to date.
- ✚ Chairperson, Diabetology, Endocrinology and Metabolism Fellowship Program, Kuwait Institute for Medical Specialization 2010 to date.
- ✚ Member of the Technical Advisory Committee for Dasman Center for Research and Treatment of Diabetes, Ministerial Decree No: 1351, 2004 to date.
- ✚ Appointed Overall Coordinator for Phase III Curriculum, 2006 to 2011.
- ✚ Appointed as the member of Dasman Diabetes Institute Research Ethical committee, 2009 to date.
- ✚ Appointed as the member of Kuwait National Program for Prevention of Diabetes, 2009 to date.
- ✚ Member of Dasman Diabetes Institute Research, Audit and Review committee.

Prof. Mohammed Zubaid

- ✚ Member – Faculty Scientific Affairs Advisory Committee.

Prof. Mousa Khadadah

- ✚ Member of the faculty council as a representative professors .

Professor Kamel El-Reshaid

- ✚ Member – Faculty Library Committee.

Professor Nasser Hayat

- ✚ **Member -** Member, University President's Grievances Committee.
- ✚ Participate in Committee evaluating Chairman of different departments and promotion of the faculty members.

Prof. Fuad Hassan

Served as Chairman of the University Promotion and Appointment Committee.

Prof. Dia Shehab (Sabbatical Leave 2018-2019)

- ✚ Professor FOM, Kuwait University, Kuwait.
- ✚ Chairperson of the Department of Physical Medicine and Rehabilitation, Mubarak Al Kabeer Hospital.
- ✚ Chairperson, Physical Medicine and Rehabilitation Residency Program, Kuwait Institute for Medical Specialization (KIMS), Kuwait.
- ✚ Vice Dean Academic 2013 until September 2017.

Prof. Adel Al-Awadhi

- ✚ Fellow of American College of Physician (FACP).
- ✚ Fellow of American College of Rheumatology (FACR).
- ✚ Fellow of Royal College of Physicians & Surgeons of Ontario, Canada (FRCPC).
- ✚ Fellow of Canadian Rheumatism Association (CRA).
- ✚ Member of American Medical Association (AMA).
- ✚ President of Kuwait Rheumatology Association.
- ✚ Member of Pan Arab League against Rheumatism (PALAR).

- + Member of Kuwait Medical Association (KMA).
- + Member of Asian Pacific League against Rheumatism (APLAR).
- + President of Kuwait Association of Rheumatology (KAR).

Prof. Khalid Al Jarallah

Member of:-

- + Professor, FOM, Kuwait University, Kuwait.
- + Head of Rheumatology Unit, Jaber Hospital, MOH, Kuwait
- + Founder & Vice President of Kuwait Human Relief Society.
- + Member of Private Universities Committee.
- + Appointment Committee, Dept. of Medicine, FOM.
- + Clinical Tutor Committee, Dept. of Medicine, FOM.
- + Kuwait Patient Safety Alliance Committee.
- + Kuwait League against Rheumatism and Auto immunity Association.
- + Kuwait Red Crescent Society.
- + Kuwait Patient Helping Fund Association.
- + Kuwait Medical Association.
- + Member in the University Advisory Committee for Promotion and Appointment.
- + Member, Faculty Council, Faculty of Medicine, Kuwait University.

Prof. Nawaf Al-Mutairi

- + Member – Department Examination Committee.

Prof. Iqbal Siddiqui

1. Academic honors received

1. Appointed Chairman, Phase III Examination Committee, Faculty of Medicine, Kuwait University.

2018 – Present Chairman, Phase III Examination Committee, Faculty of Medicine, Kuwait University.

2017 - Present Member, Appointments and Promotions Committee, Faculty of Public Health, Kuwait University.

2012 - Present	Member, Examination Committee, Department of Medicine, Faculty of Medicine, Kuwait University.
2003 - Present	Clinical rotations coordinator, Faculty of Medicine, Kuwait University.
2003 - Present	Coordinator, Clinical Teaching, Department of Medicine, Al-Amiri Hospital, Kuwait.
1998 - Present	Member, Medical Council, Department of Medicine, Faculty of Medicine, Kuwait University.

Dr. Suhail Al-Shammari

- + Research committee member.
- + Coordinator, neurology system course, Fifth Year, traditional curriculum.
- + Examination committee, neuroscience block, Fourth year, traditional curriculum.
- + Chair, Committee for the development of admission guidelines for the hearing impaired. Kuwait University.

Dr. Babu Uthaman C.

- + Member – 7th Year Examination Committee, Department of Medicine.
- + Member – 6th Year Examination Committee, Department of Medicine.
- + Examiner for M Sc thesis in Nuclear Medicine
- + Member, Judging Committee, 24 HSC Poster conference

Dr. Wael El-Reshaid

- + Member for the research advisory committee representing department of Medicine
- + Member of the “Research committee” for the year: 2013 - 2017.
- + Member of the examination committee year 5.
- + Member of the examination committee year 7.
- + Member for Chairman of medicine department review committee
- + Member of curriculum integration committee of the department of medicine for preclinical and clinical years.
- + Fellow of the American Society of Nephrology (ASN)

Dr. Salem Al-Shemmari

- + Medical Oncology Chairmanship from 2008 till date.

- ✚ Member of the Higher Medical Board for Treatment Abroad (MOH).
- ✚ Member of the Higher Committee for Drug Purchase in MOH.

Dr. Sana Al-Mutairi

- ✚ Associate Professor – Department of Medicine.
- ✚ Head of the departmental research committee – Department of Medicine, Faculty of Medicine, Kuwait University.
- ✚ Judge for the 23rd Health Science Center Poster Conference
- ✚ Member of the Examination Committee – Department of Medicine, Faculty of Medicine, Kuwait University.
- ✚ Member of the Kuwait Thoracic Society.
- ✚ Member of the Saudi Thoracic Society.
- ✚ Member of the American Thoracic Society.

Dr. Waleed M. Alazmi

- ✚ Examination Committee.
- ✚ Phase III Clinical Coordinator at Al Amiri Hospital.

Dr. Jaber Al Ali:

- ✚ Examination committee member for the fifth year students

Dr. Muath Alanbaei

- ✚ Examination committee member for the fifth & sixth-year students

Dr. Jasem Al-Hashel

- ✚ Member of the American Neurological Society.
- ✚ Member of the American Headache Society.
- ✚ President of Kuwait Neurological Society.
- ✚ Member of Kuwait Medical Society.
- ✚ Chairman Of 7th year Examination Committee.

Dr. Fatima Ali

- ✚ Year 5 Exam Coordinator at Kuwait University – Department of Medicine.

- ✚Phase II Clinical Skills Coordinator (Year 3& 4) at Kuwait University – Department of Medicine.
- ✚HSC Poster Committee
- ✚Liason officer between Internal Medicine & KU Medical School Accreditation Committee

Dr. Tariq Bader Al Fahad:

- ✚ Examination committee member for the fifth year students

Dr. Fahad Al Mutawa: [On 1 Year Leave 2018 – 2019]

Dr. Ebaa Al Ozairi [On 1 year leave - 2018 - 2019]

Active participation in professional conferences:

Professor Nabila Abdella: Not Done Check the File

- ✚Trulicity Speaker Training , Vienna, Austria, 10 September to 11 September, 2018
- ✚Global Scientific Expert Meeting, Zurich , Switzerland, 12 September to 14 September, 2018
- ✚EASD Annual Meeting 2018, Berlin, Germany, 1st October to 5th October, 2018
- ✚American Diabetes Association, 79th Scientific Sessions, San Francisco,CA, 7th June,2019 to 11th June,2019.

Prof. Fuad Hasan:

- ✚United European Gastroenterology Week , Vienna, AUSTRIA ,20th October TO 24 October 2018.
- ✚The liver Meeting-2018 , San Francisco, USA ,9th November to 13 November 2018
- ✚EASL-2019, San Francisco, USA, 10th April.2019to 14th April .2019.

Prof. Mohammad Zubaid

- ✚American College of Cardiology Annual Meeting 2019, New Orleans, 16 March to 18 March ,2019
- ✚Chairing a Session – World Congress of Cardiology & Cardiovascular Health, Dubai, UAE, 5th December to 8th December, 2018.

Prof. Kamel El Reshaid

None

Prof. Adel Al Awadhi

- ✚ Canadian rheumatology ultrasound society – Intermediate course, Kuwait, February 6-7, 2018.
- ✚ EULAR International meeting, Amsterdam, Netherlang, June 13-16, 2018.
- ✚ ACR international meeting, Chicago, IL, USA, October 19-24, 2018.
- ✚ 1st GCC rheumatology conference, Kuwait, March 8-9, 2019.
- ✚ 5th international congress on controversies in rheumatology and autoimmunity, Florence, Italy, March 13-15, 2019.
- ✚ British Society of Rheumatology-annual meeting, Birmingham, UK, April 30-May 2, 2019.
- ✚ Eular ultrasound course, Barcelona, Spain, May 2-5, 2019

Prof. Mousa Khadadah

- ✚ ERS International Conference, Paris- France, 15 September 2018 to 19 September 2018.

Prof. Nasser Behbehani

- ✚ ERS International Conference, Paris- France, 15th September ,2018 to 19th September 2018.

Presentations at regional conferences

- ✚ Update on therapeutic issues related to Idiopathic pulmonary fibrosis , 2nd Asthma and COPD forum, Dubai , October 2018
- ✚ New Diagnostic issues related to Idiopathic pulmonary fibrosis , Best of respiratory medicine (BORM) by Gulf thoracic Society, March 2019

Local meeting organized

- ✚ 2nd Kuwait Thoracic Society scientific Day , October 2018

Prof. Adnan Abal:

- ✚ ERS International Conference, Paris- France, 15th September, 2018 to 19th September 2018.
- ✚ The study, Design and supervision for the Health Science Campus(HSC) project-Sabah Al Salem University-Kuwait University “Invitatin Letter as a study Tour Participant”, San Francisco CA, USA , 14th April,2019 to 20th April,2019.

Prof. Khalid Al Jarallah

- ✚ 2018 ACR/ARHP Annual Meeting , Chicago, Illinois, USA, 19TH October to 24, October 2018
- ✚ British Society of Rheumatology (BSR), Birmingham, United Kingdom, 30th April to 2nd May, 2019(Poster Presentation)
Poster Title: Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low BMD.
- ✚ Poster Day Conference FOM, Kuwait, 12-14 March 2019
Poster Title: Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low BMD
- ✚ "Updates in Internal Medicine 2019". In collaboration with Harvard medical faculty physicians, Workshop organized by Kuwait Ministry of Health. Mar 07 - 09, 2019
- ✚ The Advanced Academic Rheumatology Review Course (ADARRC 2019) Kuwait. 12th -13th April 2019 [Attended Sonography Master Course 12th and 13th April 2019 during this course]

Prof. Iqbal Siddique:

a. Abstract presentations in conferences

1. Essa S, Siddique I, Al-Nakib W, Raghupathy R. The influence of neutrophils on the production of cytokines associated with different Th cell subsets in chronic HCV-infected patients with compensated liver disease. 24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.
2. Essa S, Al-Attiyah R, Siddique I. The Conceivable Influence of Persistent Genotype-4 Hepatitis C Virus Infection on Cellular Immune Subsets before, during and after Pegylated Interferon- α and Ribavirin Therapy. 10th International Virology Summit & 4th International Conference on Influenza & Zoonotic Diseases, Vienna, Austria, July 2-4, 2018.

b. Attendance in conferences and courses

3. Annual Meetings of the American Gastroenterological Association (AGA), American Society of Gastrointestinal Endoscopy, American Association for the Study of Liver Diseases and Society for Surgery of the Alimentary Tract at the Digestive Disease Week (DDW)®, San Diego, California, USA, May 18-21, 2019.
4. GEM Endoscopy Summit 2019, Dubai, UAE, April 11-12, 2019.

5. 1st Kuwait Gastroenterology Association Conference, Kuwait, March 29-30, 2019.
6. European Crohn's and Colitis Organisation (ECCO) '19 Congress, Copenhagen, Denmark, March 6-9, 2019.
7. Kuwait Gastroenterology Association GI and Hepatology Masterclass, Kuwait, December 15, 2018.
8. Workshop on Digital Spyglass training, Humanitas Hospital, Milan, Italy, September 25-26, 2018.

Dr. Sana Al Mutairi

- ✚ ERS International Conference, Paris- France, 15th September, 2018 to 19th September 2018.
- ✚ Attended the Respiratory Thoracic Society Annual meeting held at Paris September 2018
- ✚ Participated in the Pulmonary Fibrosis Update in December 2018
- ✚ Arranged and lectured on COPD Updates for the Family physicians in Kuwait January 2019 as part of annual activities on promoting clinical services of the family medicine.
- ✚ Member of the Scientific Committee of the 9th Gulf Thoracic Conference held at Dubai , held March 2018
- ✚ Judge for the 23rd Health Science Center Poster Conference 2018.
- ✚ Participated and Chaired sessions at the Respiratory Summit held in Dubai April 2019
- ✚ Arranged and chaired sessions at the Workshop of the Gulf and Middle East Pulmonary Hypertension PHUTURE January 2018

Dr. Wael El-Reshaid

- ✚ Kidney Week 2018 - Annual Meeting of American Society of Nephrology, San Diego, CA. U.S.A. October 31 - November 5, 2018.
Included poster presentation of abstract: Impact of first peritonitis on patient and technique survival in patients on peritoneal dialysis.
- ✚ Annual Dialysis Conference – 3rd March- 6th March.2018 Orlando , FL

Dr. Suhail Al-Shammeri

- ✚ MSPARIS2017 , 7TH Joint Ectrims – Actrims Meeting, Paris, France, 25th October to 28th October,2017.

- ✚ AAN Annual Meeting “2017”, Boston, Mascheccutes, USA, 22nd April,2017 to 28th April 2017

Dr. Salem Al Shemmari

- ✚ European Bone Marrow transplantation – Frankfurt March 2019

Dr. Waleed M.Alazmi

- ✚ Inflammatory bowel disease registry in Arabian Gulf area, (September,2018).
- ✚ Biological therapy interchange program- Physician education.
- ✚ IBD Ahead Program. Initiation, consolidation and dissemination of guidelines for management of inflammatory bowel disease in Kuwait.
- ✚ United European Gastroenterology Week, Barcelona, (October,2018).

Dr. Faisal Al Sayegh

- ✚ ASH 60th Annual Meeting & Exposition , San Diego, CA, 1th December to 4th December,2018

Dr. Ebaa Al Ozairi On 1 year Leave [2017 – 2018]

- ✚ Current and Emerging pharmacotherapy in Obesity, Dubai, 31th October to 1st November, 2018.
- ✚ Obesity Week-2018, USA, 11th November to 15th November, 2018

Dr. Fatima K. Ali

- ✚ American Academy of Allergy Asthma & Immunology Annual Conference – San Francisco, USA February 22nd – 25th 2019 – Attendance only

Dr. Fahad Al Mutawa [On 1 Year Leave 2018 – 2019]

Prof. Dia Shehab [Sabbatical Leave 2018 - 2019]

Dr. Tariq Bader Al Fahad [None]

Prof. Nawaf Al Mutairi [None]

Dr. Muath Alanbaei [None]

Dr. Jasem Al-Hashel [None]

Dr. Babu Uthaman [None]

Dr. Jaber Al Ali [None]

Problems:

Prof. Iqbal Siddique

- ✚ Achieving balance in clinical, academic and administrative work.

Dr. Suhail Al-Shammeri

- ✚ The increasing number of clinical year students in the recent years has become a challenge on the teaching responsibilities of the department. The problem is multiplied by the fact that the provision of facilities, e.g. hospital beds, teaching rooms, secretarial assistance etc remains static.
- ✚ Lack of a university teaching hospital is still remains a challenge for constructive teaching environment. the quality of clinical teaching is entirely dependent on the best conducive atmosphere to learning and teaching. This is possible only when the hospital focuses its outlook towards the primary objective of a teaching hospital, viz. student oriented. An average general hospital, where the focus is primarily patient care, cannot replace a teaching hospital. This is a serious deficiency in the faculty-teaching program.

Dr. Wael El Reshaid

- ✚ Lack of adequate resources mainly man power and teaching assistants within the Department of Medicine.
- ✚ Lack of respected protected time for academic research. The current workload is simply more than the regular staff of the ministry of public health in addition to the academic workload.
- ✚ Lack of clinical research assistants who help with literature search, data entry and technical support for research tests.
- ✚ The slow process of research grants funding. In the world of fast-growing knowledge, scientific advances and research ideas has to be fulfilled in short time. If not acted upon immediately, they will soon become part of the past as other researchers from other parts of the world will certainly explore them. The current system of research grant approval is slow and simply it is just a delay in the path of promotion of university staff.

Future plan:

Prof. Nabila Abdella

- ✚ Major research work in the field of Type 2 diabetes: Clinical and Molecular studies of Type 2 diabetes among **Kuwaiti diabetic patient and their families.**

Dr. Babu Uthaman

- ✚ Publish some of the research work and clinical material.

Dr. Waleed Alazmi

- ✚ Establish a collaborative work with other Universities.
- ✚ Establishment of gastrointestinal research group that would include researcher interested in that field from different specialities.
- ✚ Degree in medical education.

Dr. Muath Alanbaei

- ✚ Continue academic work and research and pursue my passion of teaching.
- ✚ To establish cardiovascular research center in Kuwait.

Dr. Jasem Al-Hashel:

- ✚ Plan to improve the epilepsy unit in Kuwait and also start surgical intervention for Parkinson patients. Also working hard to improve service for patients with multiple sclerosis and improve the research in the department of Neurology. Working hard to improve my research skills

MICROBIOLOGY

INTRODUCTION

Mission

The Department of Microbiology has a broad range of objectives that include: i) quality undergraduate, graduate and post-graduate / post-doctoral teaching and training ii) basic and applied research of international standard especially relevant to Kuwait and Gulf countries, iii) high level of patient-centered care through the dedicated involvement of the academic staff, and iv) community services through overseeing the management of laboratory medicine in the Hospitals and Clinics of the Ministry of Health as well as direct patient management in these sectors.

Several Microbiology Reference Laboratories supported by the Ministry of Health are well-established in the Department, which provide high quality diagnostic services to all government hospitals in Kuwait. The Department also plays a leading role towards developing guidelines for optimal usage of antimicrobials keeping in view local epidemiology and resistance profiles of infectious agents. In addition, the Department is recognized as a WHO Collaborative Centre for HIV and WHO Collaborative Centre for Virus Reference and Research for the Eastern Mediterranean Region.

Teaching

1. Undergraduate Teaching

The Department is currently involved in coordinating the Biology course for the Pre-professional year (Phase 1) of Health Sciences Students in Medicine, Dentistry and Pharmacy. Custom-designed lectures, practical, tutorials and workshops have been coordinated by the Department in conjunction with the Departments of Physiology, Biochemistry and Anatomy. In Phase II, the Department is actively participating in teaching of different Blocks/System modules, which include Foundation and Infection and Immunology Blocks, and Cardio-Vascular System, Respiratory System, Endocrine System, Musculoskeletal System, Gastrointestinal System, Central Nervous System, Renal System & Reproductive and Breast and Blood modules. The quality of microbiology teaching is assessed by an examination process. All the questions are reviewed by the Departmental Examination Committee for content coverage, accuracy and quality before they are forwarded to Faculty coordinators of the respective modules. The Infection and Immunology course is being coordinated by the Microbiology Department. In addition, the Department offers 12 Elective Courses (Basic Principles and Practice of Clinical Mycology, Molecular Microbiology in Clinical Practice, Emerging and Re-emerging Viral Diseases, Climate Change, Infectious Disease and Ecology, Healthcare Associated Infections, Tropical Infections and Travel Medicine,

Antimicrobials and Chemotherapy, Recent Advances in Clinical Virology, Evaluation of a Patient with Allergies, Clinical Uses of Hematopoietic Stem Cell), Research Techniques in Microbiology and Viral Infections in the Fetus and neonates to 4th Year medical students. In Phase III, the Department is actively contributing along with Departments of Surgery and Medicine in conducting multi-disciplinary seminars. The Department also offers elective courses in Clinical Microbiology for 5th year students, coordinated by consultants attached to different government hospitals. The academic staff of the Department continue to contribute significantly to the Problem-Based Learning (PBL) sessions included in different system modules.

2. Accreditation of Medical Education

The Department is playing a pivotal role in getting medical education in the Faculty of Medicine accredited through an Internationally recognized body. Several of its academic staff are members of the Accreditation Unit along with Prof. Widad Al-Nakib as the Chairman of the Accreditation Unit and Prof. Abu Salim Mustafa as the overall Faculty coordinator. The other members from the Department who are contributing to accreditation process are Prof. Noura Al-Sweih, Prof. John Albert, Prof. Jamshaid Iqbal and Dr. Mona Al-Ahmad.

3. Graduate / Postgraduate Teaching

The Department currently has 6 graduate students at the MSc level, one student in the first year, two in the second year, one in the third year and two in the fourth year. Furthermore, the Department continues to contribute substantially to the University-based MSc Molecular Biology program. We also coordinate a Faculty-based MSc “Basic Immunology Course” and contribute to the teaching of “Molecular Biology Course”. In addition, 5 students are pursuing PhD in Medical Microbiology. Furthermore 2 students have completed their PhD dissertation this year. In conjunction with the Kuwait Institute of Medical Specialization (KIMS) and the Ministry of Health, the Department is actively participating in Postgraduate Training Residency Program of Kuwaiti Board. Currently, there are 11 Residents in Clinical Microbiology and 7 in Clinical Virology. Thus, the Department is in the forefront of manpower development with the aim of providing adequate number of well-trained Kuwaiti professionals and academicians in various disciplines of Microbiology.

4. Continuing Education Programmes

Continuing Medical Education (CME) is essential for the maintenance of high academic and professional standards. The Department organizes and participates in several academic activities on a regular basis. These include Journal Clubs, Departmental and Faculty Seminars, Grand Rounds with Clinicians and Monthly Microbiology Meetings

with Microbiologists from all of the Hospitals in Kuwait. In addition, the following Symposia and Workshops were jointly organized through KIMS and Ministry of Health:

1. 3rd Infectious Disease Hospital Conference (Idhc)”, held in Jumaira Beach Hotel on September 22-23, 2018.
2. 2nd Kuwait Medical Laboratory and OB/GYN Conference, Farwaniya Hospital (13 - 14 March, 2019), Salwa Sabah Al Ahmad Theatre & Hall, Kuwait.
3. MOH sponsored Conference on “18th Conference on Recent advances in Clinical Virology (27 – 28 March, 2019), Sheikh Jaber Al-Ahmed Cultural Center, Kuwait.
4. MOH sponsored Workshop on “2nd National Conference of Kuwait Lab Week” (27 - 28 March, 2019), Sheikh Jaber Al-Ahmed Cultural Center, Kuwait.
5. KIMS sponsored Symposium on “Updates on Clinical Microbiology and Infectious Diseases 2019, April 7 - 9, 2019.

Furthermore, our academic staff members have contributed to various symposia organized by other Departments in the Faculty. They are individually listed under each Academic Staff contribution. Of special note is that these Workshops and Symposia are becoming increasingly popular and attendances from the Hospitals and Clinics are high, which is satisfying.

Research:

The Department continues to maintain high standards of basic and applied research in different sub-disciplines of Microbiology. Currently, there are 31 funded and 26 unfunded projects that are being pursued by the academic staff. As in the past, the Department also excelled in research productivity by publishing 65 full-length research papers in peer-reviewed indexed journals, many of which have been published in quartile-one category journals. In addition, academic staff of the Department participated in a large number of International Conferences and presented their research work. The Department also contributed significantly in the 24th Annual Health Sciences Center Poster Conference (March 12 -14, 2019) by presenting 21 posters.

Consultation and Diagnostic Services:

The Department continues to offer quality laboratory diagnostic services and consultations to all teaching /training hospitals (Mubarak Al-Kabeer, Adan, Farwaniya, Sabah and Amiri Hospitals), Health Centers and Polyclinics in Kuwait. In recent years, there has been a significant expansion of these services to other hospitals which include Ibn Sina Hospital, Kuwait Cancer Control Centre, Organ Transplant Centre, Maternity Hospital, Infectious Disease Hospital, Farwaniya Hospital, Allergy Centre, Chest Disease Hospital, Jahra Hospital, Armed Forces Hospital, KOC Hospital, Kuwait

National Tuberculosis Reference Laboratory, and Kuwait National Quality Control Laboratory.

Future needs

Over the years, the Department has significantly increased its academic activities and commitments. However, there has been no expansion in the space available to the Department since its inception. Consequently, our labs have become congested and we are not able to provide proper offices and laboratory space to new academic staff. This has also impeded our recruitment process for additional positions in clinical virology, parasitology and mycology. A provision for additional space for the Department is requested.

FACULTY

a. ACADEMIC STAFF

i. Faculty Members

Z. U. Khan, BV Sc, MV Sc, PhD, FRCPATH, FICAI, FCCPI,
Chairman, Professor, Medical Mycology

W. Al-Nakib, FRSTM & H, MA, MRCPATH, FRCPATH, PhD, FIDSA
Chairman, Academic Accreditation Unit, Professor, Clinical Virology

V. O. Rotimi, MB:BS, MSc, PhD, MRCPATH, FRCPATH, DLSHTM, FMCPATH,
FWACP, FIDSA

Professor, Clinical Microbiology

A. S. Mustafa, BSc (Hons), MSc, PhD, MRCPATH, FRCPATH
Professor, Molecular Microbiology & Immunology

M. J. Albert, BSc, MSc, PhD, MRCPATH, FRCPATH, FAAM
Professor, Microbiology

R. Raghupathy, BSc (Hons), PhD, FRCPATH
Professor, Immunology

S. Ahmad, BSc (Hons), MSc, PhD
Professor, Molecular Microbiology and
Microbial Physiology

E. Mokaddas, BMSc, MB:ChB, MRCPPath, FRCPath
Professor, Clinical Microbiology

R. A. Al-Attiah, BMSc, MSc, PhD
Professor, Immunology

N. Al-Sweih, BMSc, MB:ChB, MRCPPath, FRCPath
Professor, Clinical Microbiology

J. Iqbal, MB:BS, MCPS, MSc, PhD, FRCPath
Professor, Clinical and Immunoparasitology
Director, Medical Education Unit

W. Jamal, BMSc, MB:BCh, MSc, DCH, MRCPPath, FRCPath,
PhD, FIDSA
Professor, Clinical Microbiology

E. E. Udo, PhD, MASM, AIMLT
Associate Professor, Microbial Genetics and
Medical Microbiology

W. Chehadeh, BSc, MSc, PhD
Associate Professor, Virology

H. A. Amoudy, BSc, MSc, PhD, DIC
Assistant Professor, Molecular Microbiology and Immunology

W. A. M. Alfouzan, MB:BS, MSc., FRCPath
Assistant Professor, Clinical Microbiology

S. Essa, BSc., MSc., PhD.
Assistant Professor, Virology

M. S. Al Ahmad, B Med Sc; MB:BCh; ABIM; FRCPC (Canada)
Assistant Professor, Clinical Immunology

M. A. A. Husain, B Med Sc; M.B B.Ch; FRCPC(Canada)
Assistant Professor, Clinical Immunology

N. M. Madi, BSc., MSc., PhD.
Assistant Professor, Virology

K. Albenwan, MSc.(Eco.), BMSc., MBBS, FRCPath (UK)
Assistant Professor, Clinical Microbiology

Dr. H. Al Tawallah, B Med Sc, MB:BS, FRCPath (UK)
Assistant Professor, Clinical Virology

Joint appointments

C. Ezeamuzie, BSc, MSc, PhD (London), MIBiol, C.Biol (UK)
Professor, Joint appointment with Pharmacology

Fuad Al-Hassan, MB:ChB, ABIM (Gastroenterology)
Professor, Joint appointment with Medicine

ii. Teaching Assistants

S. Asfar, BSc, MSc
M. Al-Badran, BSc, MSc, PhD
O. Hassan Moghnai, BSc, MSc
N. Al-Mutairi, BSc, MSc
T. Al Shemary, BSc, MSc
E. Sarkhoo, BSc., MSc.
M. Asadullah Asadzadeh, BSc, MSc, PhD
S. Boswihi, BSc, MSc, PhD
M. Al Khabaaz, BSc, MSc

iii. Lab physicians - none

iv. Clinical Tutors - none

v. Visiting Professors - none

vi. M. Sc. Students

Hawraa Adel Ali Mohammad
Kawther Abdul Jalil Naser
Zahra Faisal Al Baqsami
Noura Al Shammari
Nada Mohammad Afif Al Moualem - Dropped
Mahdi Ali Mohammad Redha
Rehab Zafer Al Ajmi

vii. Ph.D. Students

Meshal S. N. M. Beidas - Graduated
Hussain Abdullatif Safar - Graduated
Mohammad Al Awadi
Ghayda Al Hashem
Ola Hasan Moghnai
Noura Mishary Al Mutairi
Amani H. E. Al Fadli
Horeyah A. A. Sarkhouh

b. SUPPORT STAFF

i. Research Associates/Assistants/Technicians

Harmeen Kaur, BTech in Biotechnology

ii. Scientific Assistants

Fatima H. A. Galil, BSc
Fatimah Bibi Khodakhast, BSc
Tina Verghese, BSc, MSc
Leena Joseph, BSc, MSc

iii. Chief Technicians

Dina M. Abd El Khalik, BSc
Shilpa Haridas, BSc
Amani Al-Shazly, BSc

Technicians

Nahid F. Gadallah, BSc

Shiji George, BSc, Dip in Med Microbiol
Laila Abdulla Hussain, BSc
Anfal Ali Al-Adwani, BSc
Shabeera Syed Syed Rahim, BSc, MSc
Ameerah Mahdi Shtait Al Azmi, BSc, MSc
Soumya Mary Verghese, BSc, MSc
Aicha Abood Alissa, BSc
Nisha Alex, BSc, MSc
Susan Silpi Kurein, BSc, MSc
Sheikha Hamed Al Shammari, BSc
Ghayda El Refaiy, BSc, MSc, PhD

iv. Secretaries

Arefa N. Nizami, B.Com

c. STAFFING CHANGES

i. New staff appointed

Academic Staff

None

Technicians

ii. Promotion

W. Jamal, BMSc, MB:BCh, MSc, DCH, MRCPATH, FRCPath,
PhD, FIDSA
Professor, Clinical Microbiology

iii. Staff who left the Department

Chief Technologist

None

Technicians

None

Research Associates/Assistants/Technicians

None

TEACHING ACTIVITIES

Faculty of Medicine

a. Undergraduate teaching

I. Phase I (Pre Professional Biology Course)

Biology Course Coordinator: Prof. A. S. Mustafa

Courses	Hours	Tutorial/Seminar/Workshops	Practical
Biology	56	162	72

Teachers : A. S. Mustafa, S. Ahmad, H. Amoudy

(Total teaching hours to students per year 284 hours)

(No. of students in 2018/19 = 195)

II. Phase II

Course	Lecture (Hours)	Tutorials (Hours)	Practical (Hours)	Learning Topics (Hours)
Foundation Block II	24	25	3	
Endocrine System	4	-	-	2
Musculoskeletal	5	1	-	1
CNS System	3	4	-	1
GI System	6	-	-	5
Infection & Immunity	42	6	2	2
Respiratory System	7	2	-	4
Renal & Reproductive Sys	21.5	7.5	-	
Blood & Lymph	4	-	-	

Cardiovascular System	2	3	-	
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Phase II Course Coordinators / Representatives / Teachers/ Facilitators:

Z. U. Khan, W. Al-Nakib, V. O. Rotimi, A. S. Mustafa, M. J. Albert, R. Raghupathy, R. Al Attiyah, S. Ahmad, E. Mokaddas, N. Al-Sweih, J. Iqbal, E. Udo, W. Chehadeh, W. Jamal, H. Amoudy, W. Alfouzan, S. Essa, M. Al Ahmad, M. Hussain, N. Madi, K. Albenwan, H. Al-Tawalah.

I) Teachers/ PBL Facilitators (1PBL = 4 hrs)/ Week

Course	Period	PBL Sessions
Blood	6 weeks	Dr. R. Raghupathy Dr. S. Essa Dr. N. Madi
Cardiovascular	7 weeks	Dr. N. Madi
Nervous	9 weeks	Dr. Z. U. Khan Dr. Suhail Ahmad Dr. W. Chehadeh
Digestive	8 weeks	Dr. W. Al Fouzan
Renal	5 weeks	Dr. W. Jamal Dr. H. Amoudy Dr. M. Hussain
Reproductive Breast	5 weeks	Dr. N. Madi
Respiratory	7 weeks	Dr. J. Iqbal Dr. M. Al Ahmad Dr. K. Al Benwan

Endocrine	7 weeks	Dr. E. Udo
Infection & Immunity	5 weeks	Dr. S. Ahmad Dr. W. Al fouzan Dr. M Al Ahmad Dr. K. Al Benwan Dr. S. Essa

Participation in PBL Sessions (Total hours) : 236 hours

II) Clinical Skills Training Sessions (1 session = 4hrs)

Clinical Bed-side Training sessions (1 session = 2 hours)*

Clinical Skills Training Sessions	
Dr. Jamshaid Iqbal	34 + 72*
Dr. Mona Al Ahmad	24 + 28*
Dr. Khalifa Al Benwan	24*

Participation in Clinical Skills Sessions : 58

Clinical Bedside Training : 124*

III) Electives Courses Offered (2 CH)

Course	Lecture (Hours)	Practical (Hours)
Emerging and Reemerging Viral Diseases	11	3
Climate change, Infectious Disease and Ecology	24	-
Healthcare Associated Infections and Prevention	12	10

Antimicrobials and Chemotherapy	35	15
Recent Advances in Clinical Virology	10	20
Evaluation of a patient with Allergies	60	40
Clinical uses of Hematopoietic Stem Cell	-	-
Viral infections in the fetus and neonates	19	2

Participation in Electives Sessions (Total hours) : 261 hours

IV) Phase III

Course	Lecture (Hours)	Tutorials (Hours)	MSD (Hours)
Respiratory	1	-	1
Musculoskeletal	1	3	4
Obs. & Gynae.		12	3
Surgery			16
CNS			1
G.I. System			2
Skin			2
Medicine			3
Rheumatology			3

a. Total Undergraduate Teaching (hours):	Phase I	284
	Phase II	796
	Phase III	
	Electives	261
	PBL	236
	Clinical Skills/ Bedside Training	320
	OSCE/OSPE	120
	2017	_____

b. Graduate Teaching**1. MSc**

No. of courses 12 + Thesis
No. of **credit hours** 26 + 9 CH (Thesis)

2. PhD

No. of courses 18
No. of **credit hours** 36 + 18 CH (Dissertation)

Course Coordinators:

Z. U. Khan, A. S. Mustafa, V. O. Rotimi, M. J. Albert, R. Raghupathy, S. Ahmad, Noura Al-Sweih, J. Iqbal, E. E. Udo, W. Chehadeh, W. Jamal, H. Amoudy, W. Al Fouzan, S. Essa, N. Madi.

Teachers:

Z. U. Khan, W. Al-Nakib, A. S. Mustafa, V. O. Rotimi, M. J. Albert, R. Raghupathy, R. Al-Attiyah, N. Al-Sweih, S. Ahmad, E. Mokaddas, J. Iqbal, W. Jamal, E. E. Udo, W. Chehadeh, H. Amoudy, W. Al Fouzan, S. Essa, M. Al Ahmad, M. Hussain, N. Madi.

Thesis supervisor / Co-supervisors:

Z. U. Khan, W. Al-Nakib, V. O. Rotimi, A. S. Mustafa, R. Raghupathy, M. J. Albert, S. Ahmad, E. Mokaddas N. Al-Sweih, R. Al-Attiyah, J. Iqbal, W. Jamal, E. Udo, W. Chehadeh, H. Amoudy, W. Al-Fouzan, N. Madi

c. Pharmacy- PharmaD (1110-662 Advanced Pharmacology 3)***Direct Patient Care Placements Specialties Rotations**

Teachers: A.S. Mustafa, W. Alfouzan

Course	Lecture (Hours)	Tutorial/Seminar/Practical (Hours)	Thesis(CH) (Hours)
MSc.	444	612	1056

PhD.	33	635	668
PharmaD	15	2	-
DPCPSR*	141	-	-

d. Postgraduate Training (KIMS)

Course	Lecture (Hours)	Tutorial/Seminar/Practical (Hours)
KIMS- Clin. Micro.	221	2003

(Total No. of hours contributed per year 2224 hours)

Kuwait Board (Clinical Microbiology)

Chairman: V. O. Rotimi

Program Director: E. Mokaddas

Tutors:

V. O. Rotimi, Z. U. Khan, W. Al-Nakib, A. S. Mustafa, M. J. Albert, R. Raghupathy, S. Ahmad, E. Mokaddas, N. Al-Sweih, R. Attiyah, J. Iqbal, W. Jamal, E. E. Udo, W. Chehadeh, W. Al Fouzan, M. Al Ahmad, M. Hussain

Kuwait Board (Virology)

Chairman: Haya Al Tawalah

Program Director: S. Al Qabandi

Tutors:

W. Al-Nakib, W. Chehadeh, V. O. Rotimi, A. S. Mustafa, J. Iqbal, W. Jamal, S. Essa, M. Hussain, N. Madi,

Kuwait Board (Diagnostic and Investigative Immunology)

Program Director: Prof. R. Raghupathy

Tutors:

R. Al Attiyah, A. S. Mustafa, S. Ahmad, M. Al Ahmad

Other Faculties

Faculty of Allied Health Sciences and Nursing

a. Undergraduate Teaching

Mycology

Course coordinator: Z. U. Khan

Course	Lecture	Tutorial/Seminar	Practical
Med Microbiology	9		9
Course No.351			

(Total teaching hours to students per year 18 hours)

b. Faculty of Pharmacy

Undergraduate Teaching

Course coordinators: H. Amoudy

Course	Lecture	Tutorial/Seminar	Practical
Patho Physiology	10		
1140-331			

Teachers: A. S. Mustafa, H. Amoudy.

(Total teaching hours to students per year 10 hours)

(No. of students in 2018/19 = 50)

c. University-based Graduate Programme

MSc Molecular Biology

Course coordinators: A. S. Mustafa, S. Ahmad

Teachers:

A. S. Mustafa, S. Ahmad, Z. U. Khan, R. Raghupathy, J. Iqbal,

W. Chehadeh, H. Amoudy.

d. Faculty-based Molecular Biology Course

Teachers :

A. S. Mustafa, S. Ahmad

e. Faculty-based Basic Immunology Course

Coordinator : R. Raghupathy

Teachers : R. Raghupathy, R. Al-Attiyah

f. University-based Course on Scientific Writing and Communication Skills

Coordinator: R. Raghupathy

Teachers : R. Raghupathy, S. Ahmad

RESEARCH PROJECTS

Funded

1. Isolation and characterization of emerging and uncommon yeast pathogens from clinical specimens in Kuwait.

MI 01/15

Ongoing

Prof. Zia U. Khan (Principal Investigator)

Prof. Suhail Ahmad (Co-investigator)

2. Detection of Viruses Causing Gastroenteritis Using Metagenomics Approach.

Ongoing (MSc. Thesis Project)

Prof. Widad Al-Nakib (Principal Investigator)

Dr. Nada Madi, Ms. Hawraa Adel Mohammad (Co investigators)

3. Immune response to major antigenic proteins of Mycobacterium tuberculosis-specific regions and their role in immunomodulation of asthma in mice

YM06/15

Completed

Prof. Abu Salim Mustafa (Principal investigator)

Dr. Ahmad El-Hashim and Dr. Hanady A Amoudy (Co-investigator)

Mr. Hussein Safar (Co-Researcher)

4. A Comparative study of polymerase chain reaction-based molecular methods for identification and typing of *Acinetobacter baumannii* isolates
YM07/16 (MSc Graduate Project)
Ongoing
Prof. Abu Salim Mustafa (Principal investigator)
5. Vitamin D binding protein gene polymorphisms in Kuwaiti multiple sclerosis patients and healthy subjects
MM02/17
Ongoing
Dr. Suhail Al-Shammri (Principal investigator)
Prof. AS Mustafa (Co-investigator)
6. Immune response to major antigenic proteins of *Mycobacterium tuberculosis*-specific regions and their role in immunomodulation of asthma in mice
CB17-63MM-03
Ongoing
Prof. Abu Salim Mustafa (Principal investigator)
Dr. Ahmad El-Hashim and Dr. Hanady A Amoudy (Co-investigator)
7. Evaluation of the major outer membrane protein (MOMP (PorA) of *Campylobacter jejuni* as a vaccine in an adult mouse diarrhoea model
MI03/13
Ongoing
Prof. M. J. Albert (Principal Investigator)
Prof. R. Raghupathy, Prof. I. Khan (Co-investigators)
8. A study of molecular epidemiology of *Acinetobacter baumannii* in the intensive care unit of a Kuwait teaching hospital.
PhD. Project: YM03/15
Ongoing
Prof. M. J. Albert (Principal Investigator)
Prof. V. O. Rotimi (Co-investigator)
Ghayda Al Hashem (Co-Researcher)

9. The Whole genome molecular epidemiology of *Acinetobacter baumannii* colonizing the gut of patients in an adult intensive care unit (ICU) of a Kuwaiti teaching hospital.
PR17-13MI-03 (Project: KFAS)
(May 2019-April 2020)
Ongoing
Prof. MJ Albert (Principal Investigator)
Seemann T, Schultz M, Rotimi VO & Al Hashem G (Co-investigators)
10. Antimicrobial resistance and virulence of *Escherichia coli* cultured from sewage in Kuwait.
Ongoing
Prof. MJ Albert (Principal Investigator)
Prof. Noura Al Sweih (Co-investigator)
Mahdi Ali Reda (Co-researcher) (MSc student)
11. Statistical predictive modeling of cytokine profiles in normal and complicated human pregnancy.
Completed
Dr. F. Azizieh (Principal Investigator)
Prof. Raj Raghupathy (Co-investigator)
Funding Agency: Kuwait Foundation for the Advancement of Sciences
12. Multi-parametric testing of immunological and biochemical markers of Osteoporosis in postmenopausal women.
Completed
Dr. F. Azizieh (Principal Investigator)
Prof. Raj Raghupathy (Co-investigator)
Funding Agency: Kuwait Foundation for the Advancement of Sciences
13. Immunological profile of rheumatoid patients with asthma.
Ongoing
Dr. Sana Al Mutairi (Principal Investigator)
Prof. Raj Raghupathy (Co-investigator)
14. Occurrence of resistance to fluoroquinolones and second-line injectable agents among multidrug-resistant *Mycobacterium tuberculosis* isolates in Kuwait.
MI01/18

- Ongoing
 Prof. Suhail Ahmad (Principal Investigator)
 Prof. Eiman Mokaddas (Co-investigator)
15. Molecular basis of antifungal drug resistance in clinical *Candida glabrata* isolates in Kuwait
 YM08/17 (MSc Thesis Project)
 Ongoing
 Prof. Suhail Ahmad (Principal Investigator)
 Prof. Zia U. Khan (Co-investigator)
16. Frequency of rifampicin resistance among polydrug-resistant *Mycobacterium tuberculosis* isolates in Kuwait.
 MI 03/16
 Completed
 Prof. Suhail Ahmad (Principal Investigator)
 Prof. Eiman Mokaddas (Co-investigator)
17. Molecular detection, characterization and epidemiology of drug-susceptible and drug-resistant *Mycobacterium tuberculosis* isolates in Kuwait.
 YM 08/14
 Ongoing
 Prof. Suhail Ahmad (Principal Investigator)
 Prof. Eiman Mokaddas (Co- investigator)
18. Equipment for Genomics, Proteomics and Cellomics Studies Research Unit at the Health Science Centre.
 GM01/15
 Ongoing
 Prof. R. Al-Attiyah (Principal Investigator)
 Dr. W. Shuaib, Dr. A. Dashti, Prof.Y. Luqmani (Co- investigator)
 General Facilities Project
19. The Research Unit for Genomics, Proteomics and Cellomics Sciences (OMICS)
 SRUL02/13
 Ongoing

Prof. R. Al-Attiyah (Principal Investigator)
Dr. W. Shuaib, Prof. Y. Luqmani (Co- investigator)
General Facilities Project

20. The prevalence and molecular characterization of Carbapenem resistance in *Enterobacteriaceae* from healthy community population of Kuwait
Ph.D. Project YM07/15
Ongoing
Prof. Noura Al Sweih (Principal Investigator)
Prof. Vincent O. Rotimi (Co-investigator)
21. The Underworld's Project: A smart Sewage Infrastructure for Kuwait.
Prevalence of drug-resistant enteric bacteria and drug-resistant genes in sewage in Kuwait. P315-75ev-01 (Project: KFAS & KISR)
Ongoing
Prof. Noura Al Sweih (Principal Investigator)
Prof. M. J. Albert (Co-investigator)
22. Determining prevalence and associated risk factors of *Taenia solium* infection and cysticercosis in Kuwait
YM 06/14
Ongoing
Prof. J. Iqbal (Principal Investigator)
Prof. Suhail Ahmad (Co-investigator)
Mr. Mohammad Al Awadi (Co-Researcher) (PhD student)
23. Seroprevalence and subtyping of *Toxoplasma gondii* infection in pregnant women in Kuwait.
YM 14/17
Ongoing
Prof. J. Iqbal (Principal Investigator)
Ms. Nourah Al-Shammari (Co-Researcher) (MSc student)
24. A study of fecal camage, epidemiology and molecular characterization of carbapenem-resistant *Enterobacteraceae* among patients in the intensive care unit of the teaching hospitals in Kuwait.

PhD Project: YM 07/17
Ongoing
Prof. Wafaa Jamal (Principle Investigator)
Prof. V. O. Rotimi (Co-investigator)
Amani Al-Fadhli (Co-Researcher)

25. Evaluation of CODEHOP-mediate PCR in HIV-1 genotyping and drug resistance testing
YM01/19
Funded by College of Graduate Studies and Research Administration
Ongoing
Dr. W. Chehadeh (Principal Investigator)
Dr. HA Sarkhouh (Co-Researcher)
26. Human papillomavirus distribution in skin warts in Kuwait
NM01/12
Ongoing
Dr R Al-Awadhi (Principal Investigator)
Dr W Chehadeh, Prof N Al-Mutairi (Co-Investigators)
27. Antiviral gene expression during human coronavirus OC43 infection.
YM04/15
Completed
Dr. W. Chehadeh (Principal Investigator)
Meshal S Beidas (Co-Researcher)
28. Evaluation of Novel Oxazolidinones as potential antimicrobial agents.
Project No. PC01/09
Ongoing
Prof. O. A. Philips (Principal Investigator)
Dr. E. E. Udo (Co-Investigator)
29. Immunophenotyping of selected peripheral blood cells in response to infection with the major HCV genotypes before, during and after treatment.
MI 02/13
Completed

Dr. Sahar Essa (Principal Investigator)
Prof. Rajaa' Al-Attiyah, Dr. Iqbal Siddique, Dr. Jaber Al-Ali, Prof.
Widad Al-Nakib (Co-investigator(s))

30. The influence of neutrophils on the production of cytokines associated with different Th cell subsets in chronic HCV-infected patients.
MI 02/16
Ongoing
Dr. Sahar Essa (Principal Investigator)
Prof. Raj Raghupathy, Dr. Iqbal Siddique, Dr. Jaber Al-Ali, Prof.
Widad Al-Nakib (Co-investigator(s))
31. Assessment of the Immune status against measles, mumps and rubella in young Kuwaiti population: MMR Vaccine efficacy.
PR17-13MI-01
Funded – KFAS
Ongoing
Dr. Nada Madi (Principal Investigator)
Dr. Haya Altawalah, Dr. Wadha Alfozan, Prof. Widad Al-Nakib (Co-investigator(s))
Dr. Ibtihal Al-Roumi, Dr. Ahlam Jeragh (Contributors)

Unfunded

1. Demonstration of Adventitious Sporulation in *Fusarium Petroliphilum* Onychomycosis
Completed
Khan Z (Principal Investigator)
Ahmad S, Alfouzan W, Joseph L, Varghese (Co-investigator)
2. Comparative in vitro activity of ceftaroline and comparator agents against clinically significant Gram-negative and Gram-positive bacteria.
Completed
Prof. Vincent O. Rotimi (Principal Investigator)
Dr. Wafaa Jamal (Co-Investigator)
3. Characterization of antibody epitopes of *Mycobacterium tuberculosis* complex specific proteins Rv2346 and Rv3619.
Ongoing
Prof. Abu Salim Mustafa (Principal Investigator)
4. Characterization of promiscuous epitopes for cellular immune responses in the major antigenic protein Rv3873 encoded by region of

- difference 1 of *Mycobacterium tuberculosis*
Ongoing
Prof. Abu Salim Mustafa (Principal Investigator)
5. Non-typhoid *Salmonella bacteremia* in Kuwait
Ongoing
Prof. Albert M J ((Principal Investigator)
Dr. Alfouzan W, Dr. Al Obaid K (Co-investigators)
 6. Specific Cytokine responses to Cytomegalovirus antigens in mouse model
Ongoing
Dr. Sahar Essa (Principal Investigator)
Prof. Raj Raghupathy (Co-investigator)
 7. Evaluation of a new molecular test for the detection of resistance markers from significant bacterial isolates In A Tertiary Hospital In Kuwait.
Ongoing
Prof. Eiman Mokaddas (Principal Investigator)
Dr. Aneesa Abdulla, Dr. Ahmed Behbehani, Dr. Shama Shatti
(Co-investigators)
 8. *In vitro* and *in vivo* detection of chloroquine and mefloquine resistant *Plasmodium falciparum* infection in Kuwait.
Ongoing
Prof. J. Iqbal (Principal Investigator)
 9. A study of the antibiotic susceptibility and prevalence of enterotoxigenic extra-intestinal *Bacteroides fragilis* and genes mediating carbapenem resistance among a 10-year collection of isolates in Kuwait.
Ongoing
Prof. Wafaa Jamal (Principal Investigator)
Prof. V.O. Rotimi (Co-investigator)
 10. Molecular typing of enteroviral strains isolated from hospitalized patients in Kuwait
Completed
Dr. Wassim Chehadeh (Principal Supervisor)
SE John (Co-Researcher)
 11. Phylogenetic characterization of human adenoviruses detected in patients with acute respiratory disease in Kuwait.
Completed
Dr. Wassim Chehadeh (Principal Supervisor)
A Al-Adwani (Co-Investigator)

12. Retrospective Clinical and Microbiologic Analysis of Patients with Anorectal Abscess
Completed
J Alabbad (Principle Investigator)
Abdul Raheem F, Al-Khalifa F, Hassan Y, Al-Banoun A, Alfouzan W
(Co-Investigators)
13. Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis.
Completed
S F Dannoon (Principle Investigator)
Alfouzan W,. Alenezi S A, Alosaimy A, Alhusain M, Elgazzar A H (Co-investigator)
14. In vitro activity of newer and conventional antimicrobial agents, including Fosfomycin and Colistin, against selected gram-negative bacilli in Kuwait.
Completed
Wadha Alfouzan (Principle Investigator)
Dhar R, David P Nicolau (Co-investigator)
15. First isolation of *Ascotricha chart arum* from Broncho alveolar lavage of two patients with pulmonary infections
Completed
Khan Z (Principle Investigator)
Ahmad S, Jeragh A, Alfouzan W, Al Foudri H, Hassan N, Asadzadeh M, Joseph L, Varghese S (Co-investigator)
16. The rise of pneumonic plague in Madagascar: current plague outbreak breaks usual seasonal mould.
Completed
Rabaan AA (Principle Investigator)
Al-Ahmed SH, Alsuliman SA, Aldrazi FA, Alfouzan WA, Haque S.
(Co-investigator)
17. Non-typhoid salmonella blood stream infection in Kuwait: clinical and microbiological characteristics
Completed
M. John Albert (Principle Investigator)
Dieter Bulach, Wadha Alfouzan, Hidemasa Izumiya, Glen Carter, Khalid Al Obaid, Fatima Alattar, Abdul Rashid Sheikh (Co-investigator)

18. The emerging pathogen *Candida auris*: A focus on the Middle-Eastern countries
Completed
AlFouzan W (Principle Investigator)
Dhar R, Albarrag A, Al-Abdely H
19. Cellular immune responses to CMV antigens
Ongoing
Dr. Sahar Essa(Principal investigator)
Prof. Raj Raghupathy, Prof. Widad Al-Nakib (Co-investigator)
20. Detection of viral nucleic acid for CMV, EBV and HSV in Neutrophils
Ongoing
Dr. Sahar Essa(Principal investigator)
Dr. Wassim Chehadah, Prof. Widad Al-Nakib (Co-investigator)
21. Prevalence and risk factor of food allergies in Kuwait
Ongoing
Dr. Mona S. Al Ahmad (Principal investigator)
22. Tolerability of Omalizumab in Asthma as a Major Compliance Factor: 10-year follow up
Completed
Dr. Mona S. Al Ahmad (Principal investigator).
23. Most common, real life factors affecting effectiveness of omalizumab asthma treatment: a 10-year study.
Completed
Dr. Mona S. Al Ahmad (Principal investigator).
24. Human Bocavirus (HBoV) in respiratory samples from patients with respiratory diseases.
Ongoing
Dr. Nada Madi (Principal investigator)
25. Hepatitis B virus, hepatitis C virus and human immunodeficiency virus infections among people who inject drugs in Kuwait.
Completed
Dr. Haya Al Tawalah (Principal investigator)
Dr. Sahar Essa, Dr. Sayeh Ezzikouri, Prof. Widad Al Nakib (Co-investigator)
26. An integrative gene expression microarray meta-analysis identifies host factors and key signatures involved in Hepatitis B virus infection.
Completed

Dr. Sayeh Ezzikouri (Principal investigator)
Dr. Mohcine Elmessaoudi-Idrissi, Dr. Mare P Windisch, Dr. Anass Kettani,
Dr. Haya Al Tawalrah, Dr. Pascal Pineau, Dr. Soumaya Benjelloun (Co-investigator)

PUBLICATIONS

(Only published / accepted for publication articles are included)

1. **Khan Z, Ahmad S, Mokaddas E**, Meis JF, Joseph L, Abdullah A, Vayalil S. Development of echinocandin resistance in *Candida tropicalis* following short-term exposure to caspofungin for empiric therapy. *Antimicrob Agents Chemother*. 2018; Mar 27; 62: e01926-17.
2. **Khan Z, Ahmad S, Al-Sweih N, Mokaddas E, Al-Banwan K, Alfouzan W**, Al-Obaid I, Al-Obaid K, Asadzadeh M, Jeragh A, Joseph L, Varghese S, Vayalil S, Al-Musallam O. Changing trends in epidemiology and antifungal susceptibility patterns of six bloodstream *Candida* species isolates over a 12-year period in Kuwait. **PLoS One 2019;14: e0216250**
3. **Khan ZU, Ahmad S, Benwan K**, Purohit P, Al-Obaid I, Bafna R, Emara M, **Mokaddas E**, Abdullah AA, Al-Obaid K, Joseph L. Invasive *Candida auris* infections in Kuwait hospitals: epidemiology, antifungal treatment and outcome. *Infection*. 2018;46: 641-650.
4. **Khan Z, Ahmad S, Mokaddas E**, Meis JF, Joseph L, Abdullah A, Vayalil S. Development of echinocandin resistance in *Candida tropicalis* following short-term exposure to caspofungin for empiric therapy. *Antimicrob Agents Chemother*; 2018; 62: e01926-17.
5. Arastehfar A, Fang W, Daneshnia F, S Al-Hatmi AM, Liao W, Pan W, **Khan ZU, Ahmad S**, Rosam K, Lackner M, Lass-Flörl C, Hagen F, Boekhout T. Novel multiplex real-time quantitative PCR detecting system approach for direct detection of *Candida auris* and its relatives in spiked serum samples. *Future Microbiol*. 2018 Dec 12. doi: 10.2217/fmb-2018-0227. [Epub ahead of print].

6. Prakash A, Randhawa HS, **Khan ZU**, **Ahmad S**, Hagen F, Meis JF, Chowdhary A. Environmental distribution of *Cryptococcus* species and some other yeast-like fungi in India. *Mycoses*. 2018; Dec 27. doi: 10.1111/myc.12741.
7. Al Obaid K, Faty M, El-Nahas A, Al-Terki A, **Khan Z**. Renal fungus ball in a patient with retroperitoneal fibrosis: unique complication in a rare disease. *Mycoses*. 2018 Feb 12. doi: 10.1111/myc.12745. [Epub ahead of print]
8. Al-Obaid K, **Khan ZU**. Epidemiologic characteristics of adult candidemic patients in a Secondary hospital in Kuwait: A Retrospective Study. *J Mycol Med*. 2018 Dec 18. pii: S1156-5233(18)30093-3.
9. **Khan ZU**, **Ahmad S**, Al-Sweih N, **Alfouzan W**, Joseph L, Asadzadeh M. Increasing prevalence, molecular characterization and antifungal drug susceptibility of serial *Candida aureus* isolates in Kuwait. 2018; PLoS One. 2018 Apr 9;13(4):e0195743. doi: 10.1371/journal.pone.0195743. eCollection 2018.
10. Ellepola ANB, Dassanayake R, **Khan ZU**. Impact of brief exposure to drugs with antifungal properties on the susceptibility of oral *Candida dubliniensis* Isolates to lysozyme and lactoferrin. *Med Princ Pract*. 2018 Sep 2. doi: 10.1159/0004933.
11. Jeragh A, **Khan ZU**, Tarazi RY, Ajmi S, Joseph L, Varghese S, Vayalil S. Subcutaneous phaeohyphomycosis caused by *Amesia atrobrunnea* in Kuwait. *J Mycol Med*. 2018. pii: S1156-5233(18)30030-1.
12. **Khan ZU**, **Ahmad S**, Jeragh A, **Alfouzan W**, Al Foudri H, Hassan N, Asadzadeh M, Joseph L, Varghese S. First isolation of *Ascotricha chartarum* from bronchoalveolar lavage of two patients with pulmonary infections. *New Microbes New Infect*. 2018 Dec 28; 28:11-16.
13. **Khan ZU**, **Ahmad S**, **Alfouzan W**, Joseph L, Varghese S. Demonstration of Adventitious Sporulation in *Fusarium petroliphilum* onychomycosis. *Mycopathologia*. 2019 Feb 8. doi: 10.1007/s11046-019-0318-5. [Epub ahead of print].
14. **Khan ZU**, Ahmad S, Al-Sweih N, Khan S, Joseph L. *Candida lusitaniae* in Kuwait: Prevalence, antifungal susceptibility and role in neonatal fungemia.

PLoS One. 2019 Mar 7;14(3):e0213532.

15. **Mustafa AS.** (2018). Identification of promiscuous epitopes for cellular immune responses in the major antigenic protein Rv3873 encoded by region of difference 1 of *Mycobacterium tuberculosis*. International Journal of Medical and Health Sciences. 12: 147-152.
16. **Mustafa AS.** (2018). Antibody reactivity of synthetic peptides belonging to proteins encoded by genes located in *Mycobacterium tuberculosis*-specific genomic regions of differences. International Journal of Medical and Health Sciences 12: 88-93.
17. Nasser K, **Mustafa AS**, Khan MW, Purohit P, Al-Obaid I, Dhar R, Al-Fouzan W. (2018). Draft genome sequences of six multidrug resistant clinical strains of *Acinetobacter baumannii* isolated at two tertiary-care hospitals in Kuwait. Genome Announc 4:e01144-16.
18. Purohit P, Sadek SAL, Tak K, Emara M, Bafna R, Al-Obaid IA, Habibi N, **Mustafa AS**. Moraxella osloensis bacteremia in an immunocompetent child. J Ped. Infect Dis, 2018. doi.org/10.1055/s-0038-1639344.
19. **Mustafa AS.** Antigens for DNA vaccines against tuberculosis. Mycobacterial Dis. 2018; 8:1.
20. **Mustafa AS.** Plasmid DNA and mycobacteria as antigen delivery systems for Mycobacterium tuberculosis-specific antigens. Chapter in Molecular Medicine: Bench to Bedside and Beyond. 2018; pp. 244-252. Editors: SK Gupta & NK Lohiya, Publisher: Indian Society for the Study of Reproduction and Fertility, University of Rajasthan, Jaipur, India.
21. Al-Banna NA, Cyprian F, **Albert MJ.** Cytokine responses in campylobacteriosis: linking pathogenesis to immunity. Cytokine and Growth Factor Reviews 2018; 41: 75-87.
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Abstracts/Proceedings:

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2. **Al-Nakib W**, Beidas MS, **Chehadeh W**. Transcriptional stimulation of antiviral response components by the structural and accessory human coronavirus OC43 proteins. IDWeek 2018, October 3-7, 2018, San Francisco, CA, USA.
3. **Al-Nakib W, Chehadeh W**. The potential rise in the incidence of Rotavirus G3[P8] in Kuwait. IDWeek 2018, October 3-7, 2018, San Francisco, CA, USA.
4. Hanif SNM, **Mustafa AS**. 2018. Antibody reactivity to *M. tuberculosis* RD1, RD9 proteins and peptides in three different species. Abstract Book of Annual General Meeting of American Society for Microbiology (ASM) and Annual Interscience

- Conference on Antimicrobial agents and Chemotherapy (ICAAC). June 7-11, 2018, Atlanta, GA, USA.
5. Safar HA, **Mustafa AS**, Amoudy HA, El-Hashem A. 2019. Immunization with *Mycobacterium tuberculosis*-specific antigen Rv3619c effectively alleviates allergic asthma in mice. Abstract no. 45 in the abstract book of 7th Kuwait International Pharmacy Conference, March 5-7, 2019, Kuwait.
 6. **Mustafa AS**, Al-Shammari SN. Distribution of Vitamin D Binding Protein Subtypes in Kuwaiti Population. Abstract no. O-24 in the abstract book of 25th ISCB International Conference (ISCBC-2019), January 12 to 14, 2019, Lucknow, India.
 7. Khan MW, Shuaib W, **Mustafa AS**. Comparative genome analysis of *Brucella melitensis* isolates from Kuwait. (Abstract no. 104). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.
 8. **Albert MJ**, Al-Abkal H, Siddique I, Kumar N, Ahmed N. Whole genome characteristics of *Helicobacter pylori* from native Arab Kuwaitis. American Society for Microbiology Microbe Annual meeting. June 6-11, 2018. Atlanta, GA, USA.
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 10. **Raghupathy R**, Azizieh F. Is intra-uterine growth restriction associated with a pro-inflammatory cytokine bias? 38th Annual Meeting of the American Society for Reproductive Immunology and the 6th Annual Meeting of the Chinese Society for Reproductive Immunology June 28-1 July 2018, Shanghai, China.
 11. Al Jarallah K, Azizieh F, Shehab D, Gupta R, **Raghupathy R**. Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low BMD. (Abstract no. 70). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.
 12. **Mokaddas EM**, **Ahmad S**, N. Al-Mutairi. Molecular characterization and epidemiology of multidrug-resistant *Mycobacterium tuberculosis* (MDR-TB) and identification of possible cases of local transmission of MDR-TB in Kuwait. (Abstract No. 759). ID Week, Annual meeting of Infectious Disease Society of

- America (IDSA), October 3-7, 2018, San Francisco, CA, USA. Open Forum Infectious Diseases 2018; 5(Suppl 1):S272-S272.
13. **Mokaddas EM.** Antimicrobial Stewardship Program, Kuwait Experiences. Oral presentation presented in the Annual Congress of the Lebanese Society for Infectious Disease and Clinical Microbiology (LSIDCM), 22-24 February, 2019 Beirut, Lebanon.
 14. **Mokaddas EM,** Aldeen H, and Ahmad S. Performance comparison of GeneXpert MTB/RIF Ultra and BBD Max MDR-TB for rapid rifampicin and isoniazid in a country with a low incidence of multidrug-resistant tuberculosis.(Abstract No. 103). 24th Poster Conference. March 12-14, 2019, Kuwait University, Kuwait.
 15. Abulhasan YB , Abdullah A , Shetty S , Ramadan M, Rajan R , **Mokaddas E.** Healthcare-associated Infections in a Tertiary-care Neurocritical Care Unit in Kuwait. (Abstract No. 38). 24th Poster Conference. March 12-14, 2019, Kuwait University, Kuwait.
 16. **Mokaddas EM,** Aldeen H, and Ahmad S. Performance comparison of GeneXpert MTB/RIF Ultra and BBD Max MDR-TB for rapid detection of *Mycobacterium tuberculosis* and its resistance to rifampicin and isoniazid in a country with a low incidence of multidrug-resistant tuberculosis. (Abstract No. 2356). 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), April 13-16, 2019, Amsterdam, Netherlands.
 17. **Mokaddas EM.** New Advances in the diagnosis and management of Tuberculosis. DICID, 25-26 April, 2019, Dubai, UAE.
 18. **Mokaddas EM.** Role of Empiric Antifungal Therapy. Oral presentation presented at MSD symposium on 27 April, 2019, Marina Hotel, Kuwait.
 19. **Moghnia O, Al-Sweih N, Rotimi VO.** Food Safety Knowledge and Hygiene Practices among Food Handlers Working in Community and Healthcare Settings in Kuwait Districts. 8th Global Summit on Microbiology and Infectious Diseases 2018. February 22-23, 2018, Paris, France.
 20. **Moghnia O, Al-Sweih N, Rotimi VO.** Genotypic characterization of carbapenem-resistant Enterobacteriaceae isolated from rectal swabs of infected patients. 28th ECCMID 2018, April 21-24, 2018 Madrid, Spain.

21. **Iqbal J.** Molecular surveillance of *Cryptosporidium* infection in children in Kuwait. International Conference on Emerging Infectious Diseases, Center for Disease Control, (CDC), August, 26-29, 2018, Atlanta, USA.
22. Al-Shammarri NS, **Iqbal J.** Seroprevalence of *Toxoplasma gondii* infection among pregnant women in Kuwait. 24th HSC Poster Conference, 12-14 March, 2019, Kuwait University, Kuwait.
23. A Al Azmi, **W Jamal**, Al Kabbaz A, **VO Rotimi.** A study of the target anaerobes associated with periodontal infections in Kuwait. Anaerobe 2018, 14th Biennial International Congress of the Anaerobe Society of the Americas, organized by the Anaerobe Society of the Americas (ASA), Tropicana Hotel, July 9 - 12, 2018, Las Vegas, Nevada, USA.
24. **W Jamal**, Khodakhast F, Rotimi VO. Antimicrobial susceptibility and prevalence of extra-intestinal enterotoxigenic *Bacteroides fragilis* among a 5-year collection of isolates causing sepsis in Kuwait. Infectious Diseases Society of America ID Week 2018 conference, organized by IDSA, SHEA, HIVMA and PIDS, held in the Moscone Convention Center, October 3 - 7, 2018, San Francisco, USA.
25. Alfadhli A, **W Jamal**, **VO Rotimi.** Unusual high prevalence of OXA-181 carbapenemase-producing Enterobacteriaceae from ICU patients in Kuwait Hospitals. Third Gulf Congress of Clinical Microbiology and Infectious Diseases (GCCMID), Conrad Hotel, November 7 - 11, 2018, Dubai, UAE. **First Best Oral Presentation Winner.**
26. A Al-obaidan, G Al Hashem, A Chadha, **W Jamal**, **VO Rotimi.** Imported PVL-producing *Staphylococcus aureus* to Kuwait. 24th HSC Poster Conference, 12-14 March, 2019, Kuwait University, Kuwait.
27. A Al Fadhli, **W Jamal**, **VO Rotimi.** Prevalence of rectal colonization by carbapenem-resistant Enterobacteriaceae (CRE) in patients admitted to the intensive care units (ICU) of 7 major hospitals in Kuwait. 24th HSC Poster Conference, 12-14 March, 2019, Kuwait University, Kuwait.
28. A Sonnevend, R suliman, F Arena, V di Pilato, LH De Angelis, A Ghazawi, **W Jamal**, S Weber, D Hong, GM Rossolini, T Pal. Hypervirulent carbapenemase producer *Klebsiella pneumoniae* in the Arabian Peninsula. 29th European Congress of

- Clinical Microbiology and Infectious Diseases (29th ECCMID), organized by European Society of Clinical Microbiology and Infectious Diseases (ESCMID), in RIA Amsterdam, April 13 - 16, 2019, Amsterdam, Netherlands.
29. **Udo EE**, Boswihi SS., **AlFouzan W**, Mathew B, Noronha B, Verghese T., Al Jemaz A, AlShaqer F, Tappa S. Stability of the dominant methicillin-resistant *Staphylococcus aureus* clones in Kuwait hospitals in 2016-2017. Gulf Congress of Clinical Microbiology & Infectious Diseases. GCCMID, 7-10 November 2018. Dubai, UAE.
 30. **Udo EE**. DNA microarray in detection of emerging variants of methicillin-resistant *Staphylococcus aureus* genotypes. 18th Annual Laboratory Management and Medicine Congress, MEDLAB 2019, 4-7 February, 2019. Dubai. UAE.
 31. **Udo EE**, Boswihi S, **AlFouzan W**, Mathew B, Noronha B, Verghese T, AlJemaz A, AlSaqer F, Tappa S. Stability of the dominant Methicillin-resistant *Staphylococcus aureus* clones in Kuwait hospitals in 2016-2017. 24th HSC Poster Conference, 12-14 March, 2019, Kuwait University, Kuwait.
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 34. Safar HA, **Amoudy H**, El-Hashim A, **Mustafa AS**. Evaluation of four antigen delivery systems for the induction of antigen-specific and protective cellular immune responses to major *Mycobacterium tuberculosis*-specific antigens. 8th Global Summit on Microbiology and Infectious Diseases 2018, Paris, France. (Award Winner)
 35. **Alfouzan W**, Dhar R, Nicolau DP. In vitro activity of newer and conventional antimicrobial agents, including fosfomycin and colistin, against gram-negative bacilli in Kuwait. 3rd Gulf Congress of Clinical Microbiology & Infectious Diseases (GCCMID), November 7-10, 2018. Dubai, UAE.

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37. Albaroud L, **Alfouzan W**. Retrospective analysis of *Candida* isolated from various clinical samples. (Abstract no. 90). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait
38. **AlFouzan W**, Dhar R, Nicolau DP. In vitro activity of newer and conventional antimicrobial agents, including fosfomycin and colistin, against selected gram-negative bacilli in Kuwait. (Abstract no. 92). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.
39. Dhar R, Al-Ghanem S, Abdo N, **Al-Fouzan W**. Analyzing antibiotic utilization in a secondary care facility prior to implementation of antimicrobial stewardship program: a sample study. (Abstract no. 98). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.
40. Dhar R, **Alfouzan W**, Al Merdasi N, Naglaa M A. An ongoing *Candida auris* outbreak in the high dependency unit of a secondary care facility in Kuwait. (29th ECCMID), organized by European Society of Clinical Microbiology and Infectious Diseases (ESCMID), held in Amsterdam, Netherlands, April 13 - 16, 2019.
41. Dhar R, **Alfouzan W**, Sheikh S, Eipen S. Polymicrobial versus monomicrobial bloodstream infections: An experience in a secondary care facility in Kuwait. (29th ECCMID), organized by European Society of Clinical Microbiology and Infectious Diseases (ESCMID), held in Amsterdam, Netherlands, April 13 - 16, 2019.
42. **Essa S**, **Al-Attiah R**, Siddique I, **Al-Nakib W**. The Conceivable Influence of Persistent Genotype-4 Hepatitis C Virus Infection on Cellular Immune Subsets before, during and after Pegylated Interferon- α and Ribavirin Therapy. 10th International Virology Congress and Expo, July 2-4, 2018, Vienna, Austria.
43. **Essa S**, Siddique I, **Al-Nakib W**, **Raghupathy R**. The influence of persistent genotype-4 hepatitis C virus infection on cellular immune subsets before, during and after pegylated interferon- α and ribavirin therapy. 10th International Virology Congress and Expo, July 2-4, 2018, Vienna, Austria.

44. **Essa S, Siddique I, Al-Nakib W, Raghupathy R.** The influence of neutrophils on the production of cytokines associated with different Th cell subsets in chronic HCV-infected patients with compensated liver disease.(Abstract.172). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.
45. **Al Ahmad M.** A Real- life study on efficacy of fixed-dose combination inhaled corticosteroids/long- acting beta agonists therapy delivered by dry powder inhalers to combined therapy delivered by pressurized metered dose inhalers for Asthma . AAAAI Annual Meeting, 2019, San Francisco, USA.
46. **Madi N, Chehadeh W, Asadzadeh M, Al-Turab M, Al-Adwani A.** Analysis of Genetic Variability of Respiratory Syncytial Virus Group A and B in Kuwait. (Abstract no. 101). 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.

1. CONTRIBUTION

a. Participation in Ministry/ Government activity

Clinical Services for Ministry of Health in Mubarak Hospital

Prof. Z.U. Khan Consultant, In-charge National Mycology
Reference Centre

Prof. W. Al-Nakib Consultant & Head, Clinical Virology Unit

Prof. V. O. Rotimi Consultant and Head, Clinical Microbiology Unit
& Head, Anaerobe / Hospital Infections Reference
Laboratory

Prof. A. S. Mustafa Consultant, Legionella / Special Bacterial
Diseases/Serology/Molecular Microbiology

Prof. M. J. Albert Consultant, Enteric Microbiologist

Prof. R. Raghupathy Consultant Immunologist, Ministry of Public Health

Prof. S. Ahmad Consultant Molecular Microbiologist

Prof. E. Mokaddas	Consultant Clinical Microbiologist
Prof. R. Al-Attiyah	Consultant & Head, Clinical Immunology Unit
Prof. N. Al-Sweih	Consultant, Clinical Microbiology
Prof. J. Iqbal	Consultant Clinical Parasitologist
Prof. W. Jamal	Consultant Clinical Microbiologist Head, Microbiology Unit, Mubarak Al Kabeer Hospital
Dr. E. E. Udo	Consultant, MRSA Reference Laboratory Consultant, Quality Control Program, Microbiology
Dr. W. Chehadeh	Consultant Virologist
Dr. W. Al-Fouzan	Consultant, Clinical Microbiologist
Dr. M. Al Ahmad	Consultant, Clinical Immunologist and Allergist
Dr. M. Hussain	Senior Specialist, Clinical Immunologist
Dr. K. Albenwan	Consultant, Clinical Microbiologist
Dr. H. Al –Tawalrah	Specialist, Clinical Virologist

Consultants to Other Hospitals

Prof. W. Al-Nakib	Consultant, Infectious Diseases Hospital
Prof. E. Mokaddas	Consultant Clinical Microbiologist, MOH Director of Laboratory Department, Ibn Sina Hospital Director, Kuwait TB National Reference Laboratory
Prof. N. Al-Sweih	Consultant and Director of Laboratory Department, Maternity Hospital Head of Laboratory, Sabah Al Ahmad Urology & Kidney Center
Prof. J. Iqbal	Consultant, Infectious Diseases Hospital Head, National Parasitology Reference Laboratory
Dr. E. E. Udo	Consultant - Quality Control Laboratory, MOH

Dr. W. Al-Fouzan	Consultant, Director of Laboratory Medicine, Farwaniya Hospital
Dr. M. Al Ahmad	Consultant and Head, Clinical Immunologist and Allergist, Al Rashed Allergy Center Chairman, Allergy and Clinical Immunology Department, Allergy Centre
Dr. M. Hussain	Senior Specialist in Bone Marrow Transplant, NBK Children's Hospital Head, Pediatric Stem Cell Therapy Unit Director, NBK Children's Hospital
Dr. K. Albenwan	Senior Specialist, Medical Microbiology and Head of Microbiology Unit, Al-Amiri Hospital
Dr. H. Al-Tawalah	Specialist, Clinical Virology, Head of Virology Unit, Kuwait Cancer Control Center

b. Offices held in Professional organizations

Prof. Z. U. Khan

- Member of European Society of Clinical Microbiology & Infectious Diseases (ECCMID)
- Member of International Society of Human & Animal Mycology (ISHAM)

Prof. W. Al Nakib

- Chairman, Faculty of Clinical Virology, KIMS (until March 2017)
- Chairman, AIDS Technical Committee, MOH
- Member, Virology Committee, MOH
- Member, AIDS National Committee, MOH
- Member, American Society for Microbiology
- Fellow, Infectious Disease Society of America
- Fellow, Royal College of Pathologists, UK

Prof. V. O. Rotimi

- Chairman, Faculty of Clinical Microbiology, KIMS
- Head of FRCPATH Training (Medical Microbiology)
- Member, ECCMID Study group on Anaerobic Infections

Prof. A. S. Mustafa

- Member, American Society for Microbiology
- Member, American Association of Immunologists
- Member, International Immunology Society
- Member, European Mycobacteriology Society
- Member, International Society for Infectious Diseases
- Member, American Biographical Institute
- Member, International Biographical Centre (Advisory Council)
- Member, Academy for Infection Management
- Member, New York Academy of Sciences
- Member, American Association of Immunologists
- Member, Federation of American Societies for Experimental Biology
- Fellow of the Royal College of Pathologists, UK

Prof. M. J. Albert

- Member, American Society for Microbiology
- Fellow, American Academy of Microbiology
- Fellow, Royal College of Pathologists, UK
- Member, European Mycobacteriology Society

Prof. R. Raghupathy

- Fellow, Royal College of Pathologists, UK
- Member, International Society for Immunology of Reproduction
- Member, Alps-Adriatic Society for Immunology of Reproduction
- Member, Indian Immunology Society
- Member, American Society for Reproductive Immunology

Prof. S. Ahmad

- Member, European Society of Clinical Microbiology and Infectious Diseases
- Member, American Society of Microbiology
- Member, International Union Against Tuberculosis and Lung Disease
- Member, International Society for Human and Animal Mycology

Prof. E. Mokaddas

- Member, Kuwait Medical Association
- Member, European Society of Clinical Microbiology and Infectious Diseases
- Member, Infectious Disease Society of America
- Member, American Society of Microbiology
- Member, International Union against Tuberculosis and Lung Disease

Prof. W. Jamal

- Fellow, Royal College of Pathologists, UK
- Fellow, Infectious Disease Society of America
- Member, Kuwait Medical Association
- Member, American Society for Microbiology
- Member, European Society of Clinical Microbiology and Infectious Diseases
- Member, ECCMID Study group on Anaerobic Infections
- Member, Infectious Disease Society of America
- Member, Anaerobe Society of Americas

Dr. W. Al-Fouzan

- Member, Kuwait Medical Association
- Member, General Medical Council, UK
- Member, European Society of Clinical Microbiology and Infectious Diseases
- Member, British Society of Antimicrobial Chemotherapy
- Member, The International Society for Human and Animal Mycology

Dr. S. Essa

- Member, European Society for Virology (ESV)
- Member of the European Society for Clinical Virology (ESCV)

Dr. M. Al-Ahmad

- Member, Kuwait Medical Association
- Member, American College of Physicians & American Society of Internal Medicine
- Member, College of Physician and Surgeons of Canada
- Fellow of the American Academy of Allergy, Asthma & Clinical Immunology
- Member, American College of Allergy, Asthma & Clinical Immunology
- Member, World Allergy Organization
- Member, European Academy of Allergy and Clinical Immunology
- Member, Canadian Society of Allergy, Asthma, and Clinical Immunology
- Member, Ontario Society of Allergy, Asthma and Clinical Immunology
- Member, American Thoracic Society
- Member, Omani Thoracic Society

Dr. Nada Madi

- Member of European Society for Clinical Virology (ESCV)
- Member of World Society for Virology (WSV)
- Member of European Society of Virology (ESV)
- International Society for Infectious Diseases (ISID)

c. Advisory editor services for Professional Journals

Prof. Z. U. Khan

- Deputy Editor, Mycoses: Diagnosis, therapy and prophylaxis of fungal diseases - an official publication of the German-speaking Mycological Society and European Confederation of Medical Mycology.
- Member, Editorial Board, Journal of Medical Microbiology Case reports (JMM-CR):. Society for General Microbiology, UK.

Prof. W. Al-Nakib

- Member, Editorial Board: Saudi Medical Journal
- Reviewer for following Journals:
 - Journal of Clinical Virology
 - Kuwait Medical Journal
 - Journal of Infection in Developing Countries

Prof. V. O. Rotimi

- Associate Editor, Anaerobes
- Member, International Advisory Board, Reviews in Medical Microbiology
- Regular reviewer for:
 - Journal of Medical Microbiology (JMM)
 - Journal of Chemotherapy (JC)
 - Journal of Antimicrobial Chemotherapy (JAC)
 - Anaerobes
 - Medical Principles and Practice (MPP)
 - Kuwait Medical Journal (KMJ)
 - African Journal of Clinical and Experimental Microbiology
 - Clinical Microbiology and Infection (CMI)
 - Journal of Pediatrics
 - Journal of Pediatric Infectious Disease
 - Egyptian Journal of Medical Microbiology
 - Saudi Annals of Medicine
 - Journal of Infection in the Developing Countries (JIDC)
 - International Journal of Antimicrobial Agents (IJAA)
 - Southern Medical Journal
 - Journal of Public Health and Infection
 - BMC – Infectious Disease

Prof. A. S. Mustafa

- Editorial Board Member of the following Journal
 - Recent Patents on Anti-Infective Drug Discovery- 2010 onwards
 - Vaccine: Development and Therapy- 2010 onwards
 - Mycobacterial Diseases – 2012 onwards
 - ISRN Preventive Medicine – 2012
 - World Journal of Diabetes-2010 onwards
 - Vaccines-2012 onwards
- Reviewer designate for the following journals:
 - Translational Biomedicine Journal
 - Reviews in Infection
 - Science Alert
 - Protein and peptide letters
 - Mycobacterial Diseases

- Adhoc Reviewer for the following journals:
Kuwait Medical Journal
Eastern Mediterranean Health Journal
Lancet Respiratory Diseases
BioMed Research International
PLOS ONE
Medical Principles and Practice

Prof. M. J. Albert

- Editorial Board Member for the following journals:
Indian Journal of Medical Research
The Open Virology Journal
ISRN Microbiology
Austin Journal of Clinical Immunology
- Referee for papers submitted to the following journals:
Journal of Microbiological Methods
Journal of Infectious Diseases
Journal of Clinical Microbiology
Indian Journal of Medical Research
Medical Principles and Practice
Gut Pathogens

Prof. R. Raghupathy

- Editor-in-Chief, Medical Principles and Practice
- Member, Editorial Board: American Journal of Reproductive Immunology
- Reviewer for following Journals:
American Journal of Reproductive Immunology
Clinical and Developmental Immunology
Journal of Reproductive Immunology
Obstetrics & Gynecology
Scientific Reports
Experimental Cell Research

Prof. S. Ahmad

- Member, Editorial Board: Bacteriology and Parasitology
- Asian Pacific Journal of Tropical Biomedicine
- Reviewer designate for the following journals:

Journal of Medical Microbiology
 Annals of Saudi Medicine
 Annals of Clinical Microbiology and Antimicrobials
 International Journal of Infectious Diseases
 International Journal of Mycobacteriology
 Expert Reviews in Molecular Diagnosis, Frontiers in Microbiology
 Medical Mycology
 BMC Infectious Diseases
 International Journal of Tuberculosis and Lung Disease
 Indian Journal of Medical Research
 Journal of Mycology
 Journal of Infection in Developing Countries
 Journal of Infection and Public Health
 Journal of Antimicrobial Chemotherapy
 Microbial Drug Resistance
 Microbial Pathogenesis
 Saudi Medical Journal
 Lung India
 Mycoses
 Lancet Infectious Diseases

Prof. E. Mokaddas

- Member, Editorial Board:
International Journal of Infectious Diseases
- Reviewer for the following journals:
 Kuwait Medical Journal
 Journal of Medical Microbiology
 Annals of Saudi Medicine
 International Journal of Infectious Diseases
 BMC Infectious Diseases
 Journal of Microbiology and Infectious Diseases
 Clinical Microbiology

Prof. R. Al Al-Attiah

- Reviewer for:
 Kuwait Medical Journal, Kuwait
 FEMS Immunology & Medical Microbiology
 Research Administration, Kuwait University

Prof. J. Iqbal

- Reviewer for the following journals:
 - American Journal of Tropical Medicine and Hygiene, USA
 - Journal of Medical Microbiology, UK
 - Kuwait Medical Journal (KMJ), Kuwait
 - Eastern Mediterranean Health Journal (EMRO/WHO)
 - Journal of Medical Science Monitor (MSM), USA
 - Journal of Tropical Medicine and International Health, UK
 - Pakistan Journal of Medical Research (PJMR)

Dr. E. E. Udo

- Ad Hoc Reviewer for the following Journals
 - Journal of Medical Microbiology
 - Medical Principles and Practice
 - BMJ Open
 - BMC Infectious Diseases
 - BMC Research Notes
 - Annals of Medical and health Sciences Research
 - Revista da Sociedade Brasileira de Medicina Tropical / Journal of the Brazilian Society of Tropical Medicine
 - Journal of Diary Science
 - Microbial Drug Resistance

Dr. Wassim Chehadeh

- Adhoc Reviewer for the following journals:
 - Journal of Medical Virology (Wiley-Liss, USA)
 - BMC Pediatrics (Biomed Central, England)
 - Medical Principles and Practice (Karger, Switzerland)
 - Kuwait Medical Journal (Kuwait Medical Association, Kuwait)

Dr. Wadha Al Fouzan

- Critical Reviews in Microbiology (Informa Healthcare, England)
- Kuwait Medical Journal (Kuwait Medical Association, Kuwait)

Dr. Mona Al Ahmad

- Board Member: Communication Council of the World Allergy

Organization (WAO)

- Reviewer: World Allergy Organization Journal (WAOJ)
- Board Member: World Allergy Organization Web-site Committee

Dr. Nada Madi

- Journal: Infection and Drug Resistance

d. Active participation in Professional Conferences/Symposium:

Prof. Z. U. Khan

- 20th Congress of International Society of Human and Animal Mycology, June 30 to July, 4, 2018.

Poster Presentation :

ERG6 and *ERG2* are major targets conferring reduced susceptibility to amphotericin B in clinical *Candida glabrata* isolates.

- Mycocon 2018, September 21-23, 2018, New Delhi.

Poster Presentation :

- Candida lusitanae* fungemia among neonates in Kuwait
- An outbreak of *Cyberlindnera fabianii* fungemia among preterm neonates in Kuwait

- Participated in the 24th HSC Poster Conference, March 12-14, 2019.

Poster Presentation :

Multilocus sequence typing of unrelated strains of *Candida glabrata* isolates in Kuwait: another MLST scheme needs to be developed.

- Coordinated a workshop on Medical Mycology for KIMS residents and MOH technologists, jointly organized by KIMS and Ministry of Health, March 24-26, 2019.
- Participated in the KIMS sponsored International Symposium on "Update in Clinical Microbiology and Infectious Diseases, 2019". April 7-9, 2019.

Chaired a session on Overlooked Medical Conditions :7th April 2019

Presented a talk:

Candida auris in Kuwait

Prof. W. Al-Nakib

- IDWeek 2018, organized by IDSA, SHEA, HIVMA and PIDS, held in Moscone Convention Center, October 3-7 2018, San Francisco, CA, USA.

Poster Presentation :

- Transcriptional stimulation of antiviral response components by the structural and accessory human coronavirus OC43 proteins
- The potential rise in the incidence of Rotavirus G3[P8] in Kuwait
- Attended the World Federation for Medical Education's (WFME) conference, 7-10 April 2019, Seoul, South Korea.

Prof. V. O. Rotimi

- IDWeek 2018, organized by IDSA, SHEA, HIVMA and PIDS, held in Moscone Convention Center, October 4-8, 2018, Francisco, CA, USA.

Poster Presentation:

- a. Prevalence of extended-spectrum B-lactamase (ESBL) – and carbapenem-resistant Enterobacteriaceae (CRE) isolates in positive blood cultures of patients in a teaching hospital in Kuwait over a 2-year period.
- Attended MedLab, Dubai, UAE, February 5-9, 2018.
- 20th LSIDCM Congress at Le Royal Hotel, Dbayeh, February 21st, 2019, Beirut, Lebanon.

Oral Presentation:

- a. High prevalence of rectal carriage of blaKPC-mediated carbapenem-resistant Enterobacteriaceae among healthy community food handlers and infected inpatients from different hospitals in Kuwait.
- 24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 7-9, 2019.

Poster Presentation:

- a. Food safety knowledge and hygiene practices among food handlers working in community and healthcare settings in Kuwait districts.
- b. Explosive emergence of Colistin-resistant and Carbapenem-resistenat Enterobacteriaceae (CRE) among community food handlers in Kuwait.
- c. High prevalence of rectal carriage of blaKPC medicated carbapenem-resistant Enterobacteriaceae among healthy community food handlers and infected inpatients from different hospitals in Kuwait.

- 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), April 13-16, 2019, Amsterdam, The Netherlands.

Poster Presentation :

- a. Emergence of Nosocomially acquired OXA-181 Carbapenemase-producing *Enterobacteriaceae* in the intensive care units of two major hospitals in Kuwait.

Prof. A. S. Mustafa

- 25th ISCB International Conference (ISCBC-2019) January 12 to 14, 2019, Lucknow, India.

Oral Presentation:

Distribution of Vitamin D Binding Protein Subtypes in Kuwaiti.

- Faculty of Medicine Curriculum workshop, March 31 – April 3, 2019, Kuwait University, Kuwait.

Moderator of the Session:

Discussion with FOM Accreditation Committee

Oral Presentation:

Standard 9 of TEDPAD Self Evaluation Report.

- Symposium on Update in Clinical Microbiology and Infectious Diseases 2019, April 7-9, 2019, Kuwait.

Keynote Lecture:

Whole genome sequencing in infectious diseases.

- 24th Health Science Centre Poster Conference, March 12 - 14 2019, Kuwait University, Kuwait.

Poster presentation:

Comparative genome analysis of *Brucella melitensis* isolates from Kuwait.

- International Conference on Infectious Diseases and Health (ICIDH 2019), April 24-25, 2019, Boston, USA.

Oral Presentation:

Evaluation of four different DNA targets in polymerase chain reaction for detection and genotyping of *Helicobacter pylori*.

Chaired Session II: 10:30-12:05: 23rd April 2018

Prof. M. J. Albert

- Annual General Meeting of Microbe, the American Society Microbiology, Atlanta, Georgia, USA June 6-11, 2018.

Poster presentation:

Whole genome characteristics of *Helicobacter pylori* from native Arab Kuwaitis.

- 24th Health Science Centre Poster Conference, March 12 - 14 2019, Kuwait University, Kuwait.

Poster presentation:

- a. In vitro spleen cell cytokine responses of adult mice immunized with a recombinant porA (major outer membrane protein [MOMP]) from *Campylobacter jejuni*.

Prof. R. Raghupathy

- 38th Annual Meeting of the American Society for Reproductive Immunology and the 6th Annual Meeting of the Chinese Society for Reproductive Immunology June 28-1 July 2018, Shanghai, China.

Poster Presentation:

- a. Is intra-uterine growth restriction associated with a pro-inflammatory cytokine bias?

- 10th International Virology Congress and Expo, July 2-4 2018, Vienna, Austria

Poster Presentation:

- a. The influence of persistent genotype-4 hepatitis C virus infection on cellular immune subsets before, during and after pegylated interferon- α and ribavirin therapy

24th Health Science Centre Poster Conference, March 12 - 14 2019, Kuwait University, Kuwait.

Poster Presentation:

Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low BMD.

World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases, April 4-7 2019, Paris, France.

Poster Presentation:

Circulatory pattern of cytokines, adipokines and bone markers in postmenopausal women with low BMD.

Prof. S. Ahmad

- 20th Congress of International Society of Human and Animal Mycology (ISHAM), June 30 - July, 4, 2018, Amsterdam, Netherlands.

Poster Presentation:

b. Molecular fingerprinting of bloodstream isolates of *Candida*

parapsilosis suggests horizontal transmission of infections among candidemia patients in neonatal intensive care units in Kuwait.

- MYCOCON 2018, September 22-23, 2018, New Delhi, India

Oral Presentation:

Molecular basis of reduced susceptibility to amphotericin B in clinical *Candida glabrata* isolates in Kuwait.

- 24th Health Sciences Center Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Poster Presentation:

a. Multilocus sequence typing of unrelated strains of *Candida glabrata* isolates in Kuwait: another MLST scheme needs to be developed.

Prof. E. Mokaddas

- ID Week, Annual meeting of Infectious Disease Society of America (IDSA), San Francisco, CA, USA, October 3-7, 2018.

Poster Presentation:

a. Molecular characterization and epidemiology of multidrug-resistant *Mycobacterium tuberculosis* (MDR-TB) and identification of possible cases of local transmission of MDR-TB in Kuwait.

- Annual Congress of the Lebanese Society for Infectious Disease and Clinical Microbiology (LSIDCM) 22-24 February, 2019. Beirut.

Oral Presentation:

Antimicrobial Stewardship Program, Kuwait Experiences.

- 24th Health Sciences Center Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Poster Presentation:

- a. Performance comparison of GeneXpert MTB/RIF Ultra and BBD Max MDR-TB for rapid rifampicin and isoniazid in a country with a low incidence of multidrug-resistant tuberculosis.
 - b. Healthcare-associated Infections in a Tertiary-care Neurocritical Care Unit in Kuwait.
- International Meeting 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), April 13-16, 2019 Amsterdam, Netherlands. (Abstract No.2356)

Poster Presentation:

- a. Performance comparison of GeneXpert MTB/RIF Ultra and BBD Max and its *Mycobacterium tuberculosis* TB for rapid detection of-MDR resistance to rifampicin and isoniazid in a country with a low incidence of resistant tuberculosis-multidrug.
- April, 2019, Dubai, UAE 26-DICID, 25

Poster Presentation:

NNew Advances in the diagnosis and management of Tuberculosis
MSD symposium on 27th April, 2019, Marina Hotel, Kuwait.

Oral Presentation:

Role of Empiric Antifungal Therapy.

Prof. R. Al-Attiah

24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Welcome Address : Vice Dean Research & Postgraduate Studies
Member, Organizing Committee

Prof. N. Al-Sweih

- 3rd Gulf Congress of Clinical Microbiology & Infectious Diseases, November 7-10, 2018, Conrad Hotel, Dubai, UAE.

Poster Presentation :

- a. Susceptibility Pattern among Carbapenem-Resistant Enterobacteriaceae isolated from Food Handlers working in Kuwait.
- 24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Poster Presentation:

- a. Microbial analysis of the hands of food handlers in Kuwait restaurants
- b. *Escherichia coli* and *Klebsiella pneumoniae* Infections in Neonates at Maternity Hospital in Kuwait.
- c. The First Report of Neonatal Outbreak of *Ralstonia mannitolilytica* Associated with the use of Commercial Irrigation Solution in Maternity Hospital NICU Kuwait
- 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), April 13-16, 2019, Amsterdam, The Netherlands.

Poster Presentation :

- a. Emergence of Nosocomially acquired OXA-181 Carbapenemase-producing *Enterobacteriaceae* in the intensive care units of two major hospitals in Kuwait.

Prof. J. Iqbal

- 24th Health Sciences Centre Poster Conference, Kuwait University, March 12-14, 2019, Kuwait.

Poster presentation:

- a. Seroprevalence of *Toxoplasma gondii* infection among pregnant women in Kuwait
- International Conference on Emerging Infectious Diseases, Center for Disease Control, (CDC), August, 26-29, 2018, Atlanta, USA.

Poster presentation:

- a. Molecular surveillance of *Cryptosporidium* infection in children in Kuwait
- Faculty seminar on ‘Reflection & Feedback as Conceptualized and Practiced: FOM Hanging in the Middle’ Abdul Razzak Auditorium, 13 November, 2018,

Faculty of Medicine, Kuwait.

- Symposium on Update in Clinical Microbiology and Infectious Diseases 2019, April 7-9, 2019, Kuwait.

Chairman Scientific Session IV: Theme: Mycoses

- 2nd National Conference of Kuwait Lab Week, 18th Conference on Recent Advances in Clinical Virology, March 27-28, 2019, Sheikh Jaber Al-Ahmed Cultural Center.

Session Chairman

- Faculty Development Workshop, 'Phase III Curriculum Review'
Organized. Clinical skill Lab Auditorium, March 31st –April 3rd, 2019
Faculty of Medicine, Kuwait University, Kuwait.

Prof. Wafaa Jamal

- 14th Biennial International Congress of the Anaerobe Society of the Americas, organized by the Anaerobe Society of the Americas (ASA), held in Tropicana Hotel, July 9 - 12, 2018, Las Vegas, Nevada, USA.

Poster presentation:

- a. A study of the target anaerobes associated with periodontal infections in Kuwait.
- Advances in the anti-infective management of high risk patients, organized by MSD, held in Radisson Blu Hotel, September 17, 2018, Kuwait.

Oral Presentation:

Emerging Gram negative resistances in Kuwait.

- Infectious Disease Society of America ID week 2018 Conference, IDSA, SHEA, HIVMA and PIDS, held in Moscone Convention Center, October 3 - 7, 2018, San Francisco, USA.

Poster presentation:

- a. Antimicrobial susceptibility and prevalence of extra-intestinal enterotoxigenic *Bacteroides fragilis* among a 5-year collection of isolates causing sepsis in Kuwait.
- Third Gulf Congress of Clinical Microbiology and Infectious Diseases (GCCMID) held in Conrad Hotel, November 7 - 11, 2018, Dubai, UAE.

Oral Presentation:

Unusual high prevalence of OXA-181 carbapenemase-producing
Enterobacteriaceae from ICU patients in Kuwait Hospitals

- School Health Workshop, held in Millennium Hotel, November 13 -14, 2018, Kuwait.

Oral Presentation:

Tuberculosis and Typhoid fever.

- Attended “The Third Annual Biofire Meeting on syndromic testing”, organized by Biomerieux, held in Park Hyatt Dubai Hotel, November 5, 2018, Dubai, UAE.
- MEDLAB, 18th Annual Laboratory Management and Medicine Conference, organized by Cleveland Clinic, held in Dubai International Exhibition and Convention Centre, February 4 - 7, 2019, Dubai, UAE.
- 24th Health Sciences Centre Poster Conference, Kuwait University, March 12-14, 2019, Kuwait.

Poster presentation:

- a. Imported PVL-producing *Staphylococcus aureus* to Kuwait.
 - b. Prevalence of rectal colonization by carbapenem-resistant Enterobacteriaceae (CRE) in patients admitted to the intensive care units (ICU) of 7 major hospitals in Kuwait.
- 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), European Society of Clinical Microbiology and Infectious Diseases (ESCMID), held in RIA Amsterdam, April 13 - 16, 2019, Netherlands.

Poster presentation:

- a. Hypervirulent carbapenemase producer *Klebsiella pneumoniae* in the Arabian Peninsula.
- Organizer & Coordinator of Symposium on “Update in Clinical Microbiology and Infectious Diseases, 2019”, Kuwait Institute for Medical Specialization (KIMS), Faculty of Medicine, Kuwait University, April 7 - 9, 2019, Kuwait.
- Attended Royal College/KIMS Examiner workshop 2019, organized by the Royal College of physicians and surgeons of Canada and KIMS, held in the Millennium hotel, April 24 - 26, 2019, Kuwait.
- Attended 18th Conference on Recent advances in Clinical Virology,

organized by Infectious Diseases Hospital Laboratory, held in Sheikh Jaber Al-Ahmad Al Sabah Cultural Center, April 27 - 28, 2019, Kuwait.

Dr. Edet E Udo

- 3rd Gulf Congress of Clinical Microbiology and Infectious Diseases 2018 (GCCMID 2018), Dubai, UAE, 7-10 November, 2018.

Poster Presentation:

- c. Stability of the dominant methicillin-resistant *Staphylococcus aureus* clones in Kuwait hospitals in 2016-2017.
- MEDLAB 2019, 18th Annual Laboratory Management and Medicine Conference organized by Cleveland Clinic, held in Dubai International Exhibition and Convention Centre, February 4 - 7, 2019, Dubai, UAE

Poster presentation:

- a. DNA microarray in detection of emerging variants of methicillin-resistant *Staphylococcus aureus* genotypes
- 24th Health Sciences Center Poster Conference, Kuwait University, March 12-14, 2019 Kuwait.

Poster presentation:

- a. Investigation of Fusidic acid resistance determinants in Methicillin-resistant *Staphylococcus aureus* obtained in Kuwait hospitals.
- b. Livestock-associated methicillin-resistant *Staphylococcus aureus* in patients admitted in Kuwait hospitals, 2016-2017.
- c. Stability of the dominant methicillin-resistant *Staphylococcus aureus* clones in Kuwait hospitals in 2016-2017.
- 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), European Society of Clinical Microbiology and Infectious Diseases (ESCMID), held in Amsterdam, Netherlands, April 13 - 16, 2019.

Poster presentation:

- a. Livestock-associated methicillin-resistant *Staphylococcus aureus* in patients admitted in Kuwait hospitals, 2016-2017.

Dr. Wassim Chehadeh

- 24th Health Science Centre Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Poster presentation:

- a. Analysis of Genetic Variability of Respiratory Syncytial Virus Group A and B in Kuwait.
- ID Week, Annual meeting of Infectious Disease Society of America (IDSA) 2018, October 03-07, 2018, San Francisco, CA, USA.

Poster presentation:

- a. Transcriptional stimulation of antiviral response components by the structural and accessory human coronavirus OC43 proteins.
- b. The potential rise in the incidence of Rotavirus G3 [P8] in Kuwait.

Dr. Wadha Al Fouzan

- Nuclear Medicine Conference, Kuwait 24-26 March 2018, Kuwait.

Speaker:

- a. Insight on skeletal infections

Chaired a Session: Bone Infection

Organizing Committee member:

- 3rd Gulf Congress of Clinical Microbiology and Infectious Diseases 2018 (GCCMID 2018), Dubai, UAE, 7-10 November, 2018.

Speaker:

- a. Do we have *Candida auris* in the Middle East?
- b. How can we diagnose invasive *aspergillosis*?

Poster Presentation:

- a. In vitro activity of newer and conventional antimicrobial agents, including fosfomycin and colistin, against selected gram-negative bacilli in Kuwait
- 2nd medical laboratory and OBY/GYN conference, 11-13 March, 2019, Kuwait.
- 13th Saudi Society of Medical Microbiology and Infectious Disease conference. 30 Jan-2 Feb 2019, Jeddah, KSA.

Speaker:

- a. Blood cultures are here to stay.
- 24th Health Sciences Center Poster Conference, Kuwait University, Kuwait,

March 12-14, 2019.

Poster Presentation:

- a. Audit of physician's adherence to the local antibiotic policy guidelines in a tertiary care hospital.
 - b. Retrospective analysis of *Candida* isolated from various clinical samples.
 - c. Analyzing antibiotic utilization in a secondary care facility prior to implementation of antimicrobial stewardship program: a sample study.
 - d. In vitro activity of newer and conventional antimicrobial agents, including fosfomycin and colistin, against selected gram-negative bacilli in Kuwait.
- 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID), organized by European Society of Clinical Microbiology and Infectious Diseases (ESCMID), held in April 13 - 16, 2019, Amsterdam, Netherlands.

Poster Presentation:

- a. Spinal implant infections: an experience from spine-infection clinic

Dr. Sahar Essa

- 10th International Virology Congress and Expo, July 2-4, 2018, Vienna, Austria.

Poster presentation:

- a. The Conceivable Influence of Persistent Genotype-4 Hepatitis C Virus infection on Cellular Immune Subsets before, during and after Pegylated Interferon- α and Ribavirin Therapy.
- Participated in 3rd Infectious Disease Hospital Conference (Idhc), Jumeirah Beach Hotel, September 22-23, 2018.
- 3rd Global Virology Congress & Expo Virology, December 6-8, 2018, Valencia, Spain.

Oral presentation:

Modulation of Cellular Immune Subsets by PEGylated Interferon- α and Ribavirin therapy in Chronically Infected Hepatitis C patients.

- 24th Health Science Centre Poster Conference, March 12-14, 2019, Kuwait University, Kuwait.

Poster presentation:

- a. The influence of neutrophils on the production of cytokines

associated with different Th cell subsets in chronic HCV-infected patients with compensated liver disease.

- 2nd Kuwait Medical Laboratory and OB/GYN Conference, Farwaniya Hospital Laboratory”, Millennium Hotel, March 13-14, 2019.
- 2nd National Conference of Kuwait Lab Week, 18th Conference on Recent Advances in Clinical Virology, Sheikh Jaber Al-Ahmed Cultural Center, March 27-28, 2019.
- Participated in KIMS Symposium on Update in Clinical Microbiology and Infectious Diseases, April 7-9, 2019, held in Faculty of Medicine, Kuwait University.

Dr. Mona Al Ahmad

- AAAAI Annual Meeting, San Francisco, USA, 2019

Poster Presentation:

- a. A Real- life study on efficacy of fixed-dose combination inhaled corticosteroids/long- acting beta agonists therapy delivered by dry powder inhalers to combined therapy delivered by pressurized metered dose inhalers for asthma

Dr. Nada Madi

- 10th International Virology Congress and Expo. July 02-04, 2018, Vienna Austria.

Oral Presentation

Metagenomic analysis of viral diversity in respiratory Samples from patients with respiratory tract infections in Kuwait

- 24th Health Sciences Center Poster Conference, Kuwait University, Kuwait, March 12-14, 2019.

Poster presentation:

- a. Analysis of Genetic Variability of Respiratory Syncytial Virus Group A and B in Kuwait

1st Medical Laboratory and Public Health Conference. 20 - 22, March 2018. Kuwait

Dr. Haya Al Tawalrah

- 12th Saudi Society of Medical Microbiology and Infectious Disease Conference. 20 – 22 Feb 2018, Jeddah, KSA.

Speaker:

Why did Zika virus become virulent?

- Kuwait Thoracic Society: 2nd Scientific Day Update in Respiratory Infections, held in Boubyan Hall, Radisson Blu Hotel, 27 October, 2018, Kuwait.

Speaker:

Acute influenza: The most important viral illness.

- 3rd Gulf Congress of Clinical Microbiology and Infectious Diseases 2018 (GCCMID 2018), 7-10 November, 2018 Dubai, UAE.

Speaker:

a. Update on EBV in Transplantation?

Speaker at Workshop on:

Developing a new diagnostic service for newborn babies with sensorineural hearing loss caused by congenital CMV infection

- School Health Workshop” Viral infections. School Health Program, November, 2018, Kuwait.
- 13th Saudi Society of Medical Microbiology and Infectious Disease Conference. 30 Jan-2 Feb 2019, Jeddah, KSA.

Speaker at Workshop on:

Needle stick injuries.

e. Service as external examiners outside Kuwait

Prof. V. O. Rotimi

- External examiner, MLS University, Khartoum, Sudan
- External examiner, Sudan Medical Postgraduate Board, Khartoum, Sudan
- External examiner, Board of Pathology, Riyadh, Saudi Arabia
- External Examiner, National PG Medical College, Nigeria
- Reviewer of application for promotion to full and Associate Professors:
 - i. Arabian Gulf University, College of Medicine & Medical Sciences, Manama, Bahrain.
 - ii King Saud University, Riyadh, Saudi Arabia
 - iii. College of Medicine, University of Lagos, Nigeria

iv. Ghana University Medical School, Accra, Ghana.

Prof. Eiman Mokaddas

- Examiner, Saudi Board for Clinical Microbiology & Infectious Disease,
Al Dammam University, KSA

f. Contribution to Committees outside the Faculty

Prof. Z. U. Khan

- In-Charge of the Mycology Reference Center, offers laboratory diagnostic services for fungal infections to Mubarak Al Kabeer and various hospitals in Kuwait.
- Participate in clinical meetings, Case presentations, CME training programs organized by KIMS/Ministry of Health

Prof. W. Al-Nakib

Important Membership of Committees at University Level

- Member, University Higher Committee on H1N1, 2009- to date

Membership of Committees at Ministry of Health and Hospital Level

- Chairman, AIDS Technical Committee, Ministry of Health
- Member, Ministry of Health Higher Committee on Infection
- Member, Ministry of Health National Committee on MERS-coronavirus.
- Member, Ministry of Health Permanent Technical Consultant Committee on Pre-Marital Testing
- Member, AIDS National committee, Ministry of Health

Prof. V. O. Rotimi

- Head of Clinical Microbiology Unit, Mubarak Al-Kabeer Hospital (until Dec.2017)
- Chairman, Faculty of Clinical Microbiology Board, KIMS
- Head of FRCPath Training Program
- Member, Laboratory Council, Mubarak Hospital (until Dec.2017)
- Member, Dean's Promotion Review Committee, Faculty of Dentistry, HSC, Kuwait University.
- Member, Dean's Promotion Review Committees, Faculty of Pharmacy, HSC, Kuwait University.
- Member, Faculty Promotion Committees, Faculty of Allied Health Sciences, HSC, Kuwait University, 2015-to date

- Member, Faculty Promotion Committee, Faculty of Dentistry, HSC, Kuwait University.

Prof. A. S. Mustafa

- Consultant Immunologist, Ministry of Public Health
- Adhoc Reviewer, Research projects and Progress reports submitted to the Research Sector, Kuwait University and the Ministry of Health, Kuwait
- Member, Microbiology Unit Council, Mubarak Al-Kabeer Hospital
- Member of Graduate Program Committee of the College of Graduate Studies Joint MSc Program in Molecular Biology
- Chairman of the Promotions Review Committee of the Faculty of Allied Health Sciences, Kuwait University
- Chairman of Departmental Review Committee for a candidate in the Faculty of Dentistry for the promotion to full professor
- Member of Promotion Review Committee for the promotion of an applicant from Assistant to Associate Professor in the Faculty of Dentistry, Kuwait University

Prof. M. J. Albert

- Consultant Enteric Microbiology, Mubarak Al-Kabeer Hospital, MOH

Prof. Raj Raghupathy

- Consultant Immunologist, Ministry of Public Health
- Member, Clinical Immunology and Allergy Fellowship Program, Kuwait Institute of Medical Specialization (KIMS)

Prof. S. Ahmad

- Member, Health Sciences Center Ethical Committee
- Member, Health Sciences Center Phase I Examination Committee
- Member, Health Sciences Center Library Committee

Prof. E. Mokaddas

- Head of Microbiology Unit, Laboratory Department, Ibn Sina Hospital
- Director of Kuwait National Tuberculosis Control Reference Laboratories
- Member, The Kuwait National Committee for the Rational Use of Antibiotics
- Member, Ministry Microbiology Committee, Ministry of Health
- Member, Ministry National Committee for the Control of Tuberculosis
- Member, Consultant Committee for Emerging Infectious Diseases
- Program Director, Faculty of Clinical Microbiology, KIMS

- Chairperson, Infection Control Committee and Antibiotic Policy Committee in the KCCC
- Leader, Accreditation Committee Ibn Sina Hospital
- Coordinator, Monthly Microbiology Meeting for all Microbiologists in Kuwait

Prof. R. Al-Attiyah

- Head, Clinical Immunology Lab, Mubarak Hospital, MPH
- Chairman, Committee by MOH to scrutinize Immunology orders (2017-2018)
- Member, Laboratory Council, Mubarak Hospital
- Offer Clinical services to Ministry of Public Health
- Member, Board of Trustees, Jaber Al-Ahmed for Molecular Imaging Center (2013-ongoing)
- Member, Diagnostic and Investigative Immunology Residency Program, Kuwait Institute of Medical Specialization (KIMS)

Prof. N. Al-Sweih

- Chairperson, Infection Control Committee, Maternity Hospital
- Chairperson, Microbiology Committee, Ministry of Health
- Member, Organization Committee of National Committee of Antibiotics, Ministry of Health
- Member, Organization Committee of National Antibiotic Policy Guidelines
- Member, Organization Committee of WHO Preparatory team – Joint External Evaluation (JEE), Kuwait *International Health Regulations 2005 (IHR)*
- Member, Antibiotic Policy Committee, Maternity Hospital
- Member, Premarital Counseling Committee, MOH
- Member, Organization Committee of Technical New Job Description Specification Committee, Ministry of Health
- Member, Laboratory Council, Ministry
- Member, Sabah Al Ahmad Urology Center Council
- Member, Laboratory Safety Committee, Maternity Hospital

Dr. E. E. Udo

- Consultant, Quality Control Program in Microbiology
- Consultant, MRSA Reference Laboratory, Ministry of Health.
- Member, Quality Control Committee, MPH
- Member, Curriculum Committee, Faculty of Allied Health, Kuwait University

Dr. J. Iqbal

- Member, Kuwaiti Board in Clinical Microbiology, KIMS
- Member, HSC Pre-Professional program Review Committee

Technical Assistance to other Committee in Health Sciences Centre

A. Health Sciences Centre

- Assisting in Review of Pre-Professional Program (Year 1) in the Pre-Professional Program Review Committee for the Year 2014-2015

B. Faculty of Medicine

- KIMS CARE 2019: 2nd International Medical Education Leaders Forum (IMELEF). 9th February, 2019. Jumeirah, Messilah Beach Hotel & Spa, Kuwait.
- Faculty Development Workshop, 'Phase III Curriculum Review' **Organized**. Clinical skill Lab Auditorium, March 31st –April 3rd, 2019, Faculty of Medicine, Kuwait University, Kuwait.
- Assisting the Nervous System Module Review Committee in reviewing NS Module curriculum for the Year 2015-2016
- Assisting the Department of Microbiology Curriculum Committee in reviewing the Microbiology content contribution in Foundation Block II and I & I Module for the Year 2018-2019
- Assisting the Phase II OSPE Committee in review, coordination and conduction of OSPE I & OSPE Assessments for the 3rd & 4th Year Medical/Dental students for the Year 2018-2019
- Assessments for the 3rd & 4th Year Medical/Dental students for the Year 2018-2019.
- Providing the Examination Committee with detailed reports on the performance of both the students and the questions in every exam paper.
- Participation in the process of establishing the new clinical training skills lab and Medical Education Centre.

C. Faculty of Dentistry

- Assisting the Vice Dean Academic, Faculty of Dentistry in review of Item analysis of Oral Hygiene Module for the 4th year Dental student for the Year 2018-2019

Prof. Wafaa Jamal

- Head of Microbiology Unit, Mubarak Al Kabeer Hospital, MOH
- Chairperson, Antibiotic Policy Committee, Mubarak Hospital, MOH
- Chairperson, Laboratory Safety Committee, Mubarak Hospital, MOH
- Chairperson, Antibiotic Review Committee, Mubarak Hospital
- Chairperson, Infection Control Committee, Mubarak Hospital
- Member, Secretary, Assistant Program Director, Faculty of Clinical Microbiology, KIMS

- Member, Active participant, Infection Control Directorate – Environmental Sampling, Mubarak Hospital (December 2010 till date)
- Member, Quality Control Committee, Mubarak Hospital
- Member, Laboratory Council Committee, Mubarak Hospital
- Member, Safety and Risk assessment Committee, Mubarak Hospital
- Member, National Microbiology Committee, Ministry of Health, Kuwait.
- CEPD officer, member of Examination Committee, Scientific/ Workshop Committee KIMS Board, Faculty of Clinical Microbiology
- Coordinator and Member of the Organizing Committee for Symposium “Update in Clinical Microbiology and Infectious Diseases, 2019” organized by Kuwait Institute for Medical Specialization (KIMS), held in Faculty of Medicine, Kuwait, April 7 - 9, 2019.

Dr. Wassim Chehadeh

- Consultant Virologist in the Virology Diagnostic Service of Mubarak Al-Kabeer Hospital, Ministry of Health, Kuwait.
- Member of Kuwaiti Board Postgraduate Committee, Faculty of Clinical Virology, Kuwait Institute for Medical Specialization.
- Member of Kuwaiti Board Examination Committee, Faculty of Clinical Virology, Kuwait Institute for Medical Specialization.

Dr. Wadha Al-Fouzan

- Member, Microbiology Committee, Ministry of Health.
- Member, Antibiotic Policy Committee, Farwaniya Hospital.
- Member, Antibiotic Accreditation Committee, Farwaniya Hospital
- Member, Infection Control Committee, Farwaniya Hospital.
- Member, Faculty of Clinical Microbiology, Kuwait Institute of Medical Specialization (KIMS).
- Member, Faculty of Clinical Microbiology, Curriculum Committee, KIMS.

Dr. Mona Al Ahmad

- Consultant Clinical Immunologist and allergist, Ministry of Health, Al-Rashed Allergy Centre
- Head, Drug Allergy / Immunology Unit, Allergy Department in Al-Rashed Allergy Center
- Chairman, Allergy and Clinical Immunology Department, Allergy Centre
- President, Kuwait Society of Allergy and Clinical Immunology
- KIMS Exam Chair, Diagnostic and Investigative Residency Program
- Member, Clinical Fellowship Of Allergy and Clinical Immunology, KIMS

- Coordinator, Drug Approval for Allergic Asthma at Allergy Centre, MOH
- Member, Research Committee, Al Rashid Allergy Center, MOH

Dr. Khalifa Omran Albenwan

- Head of Clinical Microbiology Unit, Amiri Hospital
- Member, Laboratory Council, Amiri Hospital
- Member, Research and Ethics Committee
- Member of Kuwaiti Board Postgraduate Committee, Faculty of Clinical Virology, Kuwait Institute for Medical Specialization

Dr. Haya Al Tawalrah

- Chairperson, Faculty of Clinical Microbiology, Kuwait Institute of Medical Specialization (KIMS)
- Member, Virology Committee, Ministry of Health
- Chairperson, Faculty of Clinical Virology Exam Board Committee, Kuwait Institute of Medical Specialization (KIMS)

g. Contribution to Committees in the Faculty of Medicine

Prof. Z. U. Khan

- Chairman, Department of Microbiology (since May 2012)
- Chairman, Department Appointment and Promotion Committee for Academic Staff (2012-till date)
- Chairman, Department Budget & Instrumentation Committee
- Chairman, Department Scholarship Committee
- Chairman, Department Examination Committee

Prof. W. Al-Nakib

- Chairman, Academic Accreditation Committee, Faculty of Medicine, Kuwait University
- Head, Virology Unit, Department of Microbiology
- Member, Department Budget & Instrumentation Committee
- Member, Department Appointment & Promotion Committee

Prof. V. O. Rotimi

- Member, Dean's Promotion Review Committees for Departments of Medicine, Nuclear Medicine and Pathology, Faculty of Medicine
- Chairman, Dean's appointed Departmental Promotion Review Committee, Department of Microbiology, FOM

- Member, Department Appointment and Promotion Committee, FOM
- Phase III, Department Representative

Prof. A. S. Mustafa

- Coordinator of the Accreditation Committee of the Faculty of Medicine
- Chairman of the Accreditation Committee of the Department of Microbiology
- Member, Graduate Program (PhD) Director, Department of Microbiology
- Departmental Coordinator for HSC Website, Kuwait University
- Member of the Department Council, Microbiology Dept., Faculty of Medicine, Kuwait University
 - Coordinator of the Biology-1 course offered to Pre-professional students of Health Sciences Centre
- Chief Invigilator of Biology-1 course
- Member of Safety and Space Committee, Department of Microbiology, Faculty of Medicine
- Chairman of the Subcommittee appointed by VDR to prepare a proposal to grant credit to staff for graduate thesis supervision
- Member of Promotion Review Committee of a candidate in the Department of Physiology from Assistant to Associate Professor
- Member of Promotion Review Committee of a candidate in the Department of Pediatrics from Associate to Full Professor
- Liaison Officer between the Department of Microbiology and the Academic Accreditation Unit, Faculty of Medicine
- Member of dissertation Examination Committee for a PhD student in Medical Microbiology
- Member of thesis Examination Committee for a MSc student in Molecular Microbiology
- Member of thesis supervisory Committee of a MSc student in Microbiology
- Member of dissertation supervisory Committee for a PhD student in Medical Microbiology

Prof. M. J. Albert

- Director, Departmental Graduate Program (PhD) Committee
- Chairman, Research Review Committee (Dept. of Microbiology).
- Member, HSC Library Committee
- Member, Faculty of Medicine Promotions Committee
- Member, Faculty of Medicine Accreditation Committee

- Member, Faculty of Medicine Committee for selection of Young Researcher Award & Distinguished Researcher Award
- Phase II, Department Representative, Endocrine System

Prof. R. Raghupathy

- Editor-in-Chief, Medical Principles and Practice
- Chairman, Phase I, Examination Committee
- Member, Scientific Advisory Committee, Faculty of Medicine
- Member, Musculoskeletal Module Coordinating Committee
- Member, Graduate Program (MSc), Department of Microbiology
- Member, Microbiology Department Research Committee
- Member, Microbiology Department Space and Safety Committee
- Member, Microbiology Department Budget & Instrumentation Committee
- Phase II, Department Representative, Musculoskeletal System

Prof. S. Ahmad

- Member, Medical Research Committee
- Member, Radiation Safety Committee
- Member, Departmental Research Committee
- Chairman, Department Recruitment Committee for Technical and Support staff
- Member, PhD program Committee, Department of Microbiology

Prof. E. Mokaddas

- Chairman, Department Safety Committee
- Member, Departmental Examination Committee, Phase II
- Member, Faculty Examination Committee, Phase III
- Member, Department Scholarship Committee
- Member, Department Budget & Instrumentation Committee
- Member, Departmental Curriculum Committee

Prof. R. Al-Attiah

- Vice Dean for Research and Post Graduate Studies
- Chairman of the Post-Graduate Area Committee
- Chairman, Medical Research Committee
- Chairman of the Radiation Safety Committee, Health Sciences Centre
- Supervisor, Health Science Center, Research Core Facility
- Ex-Officio Member of the Dean's Executive Committee
- Ex-Officio Member, Faculty Council, Faculty of Medicine
- Ex-Officio Member, Board of Examiners, Faculty of Medicine

- Ex-officio Member, Curriculum and Assessment Committee, Faculty of Medicine (2013-to-date)
- Chairman, Faculty Committee for the selection of those eligible for the University Research Award (2018)
- Chairman of the Animal Ethical Committee (2015-to-date)
- Chairman of the Postgraduate Students Grievance (2018)
- Chairperson, Departmental Review Committee on Curriculum (2010 to date)
- Member, Departmental Promotion and Appointment Committee for Academic Staff (2005 to date)
- Member, the examination committee of the Ph.D. student, Hussian A. Safar, March, 2019

Prof. N. Al-Sweih

- Vice Dean for Academic Affairs, Faculty of Medicine
- Member, Faculty Council, Faculty of Medicine
- Member, Dean Executive Committee, Faculty of Medicine
- Member, Faculty Graduate Committee, Faculty of Medicine
- Member, Recruitment Committee, Faculty of Medicine
- Member, Departmental Curriculum Committee
- Member, Department Graduate Program Committee (PhD)
- Phase II, Department Representative, Respiratory module

Prof. J. Iqbal

- Director, Medical Education Unit, Faculty of Medicine
- Director, Clinical Skill Laboratory
- Chairman, Phase II Examination Committee
- Coordinator, Phase II Clinical Skill
- Chairman, Clinical Skill Review Committee
- Member, Phase III Curriculum Review Committee
- Member, Faculty Accreditation Committee
- PBL Coordination Group (ad hoc)
- Member, Parasitology Unit Safety Officer
- Member, Departmental Appointment & Promotion Committee
- Member, Kuwaiti Board in Faculty of Clinical Microbiology, KIMS

Technical Assistance to other Committee in Health Sciences Centre

- Assisting the Department of Microbiology Curriculum Committee in reviewing the Microbiology content contribution in Foundation Block II and I & I Module for the Year 2018-2019

- Assisting in Review of Pre-Professional Program (Year 1) in the Pre-Professional Program Review Committee for the Year 2018-2019
- Providing the Examination Committee with detailed reports on the performance of both the students and the questions in every exam paper.

Prof. Wafaa Jamal

- Member, Academic Portfolio Committee, Faculty of Medicine
- Member, Examination Committee, Phase II (Year 3 and 4)
- Member of Phase II OSPE Committee (Year 3 and 4)
- Faculty Coordinator for Infection and Immunity module for Year 2
- Phase II, Department Representative, Infection and Immunity module
- Member, Department Safety and Space Committee
- Member, Department Curriculum Committee
- Member, Department Postgraduate Committee (MSc)

Dr. E. E. Udo

- Director, Department Graduate Program Committee (MSc.)
- Member, Instrument Committee, Faculty of Medicine
- Member, Scholarship Committee, Department of Microbiology
- Phase II, Department Representative, Foundation Block I & II

Dr. Wassim Chehadeh

- Member, Department Accreditation Committee
- Member, Department Curriculum Committee
- Member, Department Research Committee
- Member, Department Examination Committee
- Member, Department Scholarship Committee
- Member, Department Graduate Program Committee (PhD.)
- Phase II, Department Representative, Central Nervous System
- Member, of the Judging Committee, 24th HSC Poster Conference 2019

Dr. Hanady Amoudy

- Member, Department Space and Safety Committee
- Member, Department Graduate Program Committee (MSc.)
- Member, Department Promotion and Recruitment Committee for Technical Staff

Dr. Wadha Al Fouzan

- Member, Research Committee, Department of Microbiology
- Member, Department Accreditation Committee
- Phase II, Department Representative, Cardio Vascular module

Dr. Mona Al Ahmad

- Member, Department Examination Committee
- Member of Department Research Committee
- Member of Phase II Examination Committee
- Member of PBL Curriculum Review Committee
- Member of the Faculty Academic Accreditation Committee
- Member, Organizing Committee and Reviewer for Abstract Screening
- Departmental Representative, Renal, Reproduction & Breast module

Dr. Sahar Essa

- Member, Departmental Promotion and Recruitment Committee for Technical Support Staff
- Phase II, Department Representative, Blood module

Dr. Nada Madi

- Director, Center for Research Support and Conferences
- Secretary, Departmental Council
- Member of Health and Safety Committee, Virology Unit
- Member, Accreditation Committee, Virology Unit
- Member, Department Accreditation Committee

Dr. Khalifa Omran Albenwan

- Member, Department Curriculum Committee
- Member, Departmental Promotion and Recruitment Committee for Technical Support Staff

Dr. Haya Al Tawalrah

- Member, Departmental Promotion and Recruitment Committee for Technical Support Staff
- Member, Department Accreditation Committee

h. Contribution to Committees in the University

Prof. W. Al-Nakib

- Member of the University Higher Committee on H1N1, 2009 – to date

Prof. R. Al Attiyah

- Member of the Funding Committee, Research Sector, Kuwait University
- Member of the Faculty Council, College of Graduate Studies, Kuwait University
- Member, The team working with the Vice President for Planning to follow up the execution of the University Strategic Plan in the Faculty of Medicine (2015 to date)
- Member, The scientific committee for the Awards to the Graduate Students Projects, for the academic year (2018-2019)

Dr. J. Iqbal

- Kuwait University Faculty Association, Academic-subcommittee
- HSC Pre-Professional Program Review Committee

NUCLEAR MEDICINE

INTRODUCTION

Nuclear Medicine is continuing to progress and introduce new clinical applicants of newly developed radiopharmaceuticals particularly utilizing hybrid imaging modalities: PET/CT, SPECT/CT and PET/MRI.

The Department of Nuclear Medicine, Faculty of Medicine, and Kuwait University has continued to provide quality teaching both at the undergraduate and the postgraduate levels. The department has redistributed the representation of phase II undergraduate modules based on the expertise of the faculty members to provide the best possible teaching. An elective course in nuclear medicine for undergraduate as well as a post graduate course in scientific writing are offered by the department. The department has continued to contribute to clinical services in various hospitals of Ministry of Health. The department succeeded to get a grant for a general teaching including upscaling an animal SPECT/PET/CT spectrum.

Objectives:

The objectives of the department in various areas are as following:

Phases II & III teaching and involvement in the coordination and being facilitators of the various courses, modules and clinical skills lab.

Teaching at other faculties like allied health and faculty of pharmacy.

Postgraduate education: Teaching of the MSc Nuclear Medicine and Postgraduate courses in Nuclear Medicine Specialty of Kuwait Institute for Medical Specializations (KIMS).

Spend efforts to recruit candidates for the PhD program.

Encourage collaborative research activities with other departments and ministry of health team.

Clinical service:

The department has continued to provide clinical services at the various Departments of Nuclear Medicine in the Ministry of Health hospitals. It is hoped that there will be an academic Department of Nuclear Medicine in a teaching hospital of Kuwait University. Needless to say that such an academic department is necessary for the effective execution and management of both the MSc and the PhD programs.

Three faculty Members are currently chairmen of departments at MOH and one is the head of the council of nuclear medicine and another the second of the council.

Outreach:

The department continues to collaborate with local and international bodies for the exchange of ideas. The department collaborates with the several local institutions; Kuwait Institute for Medical Specializations, Kuwait Foundation for the Advancement of Sciences, Kuwait Society of Nuclear Medicine, the Sheikh Jabber Al Ahmed Al Sabah Center for Nuclear Medicine and Molecular Imaging and Kuwait Institute for Scientific Research.

The members of the department take active part in various international organizations that include: Society of Nuclear Medicine and Molecular Imaging, European Association of Nuclear Medicine, British Society of Nuclear Medicine, Egyptian Society of Nuclear Medicine, International Atomic Energy Agency, and World Health Organization.

Overall, the department remains an integral part of the Faculty of Medicine with complete commitment to carrying out its mission for education, research and community service in the state of Kuwait and the Arabian Gulf region.

Obstacles:

The roadmap for near and distant future is to have an academic clinical nuclear medicine facility and have a well-furnished laboratory to enable active research in basic sciences.

Radiochemistry laboratory facilities are not available.

The difficulties of the department continue to be inadequate academic staff particularly a senior medical physicist.

MANPOWER

Faculty Members

Dr. Abdelhamid H Elgazzar MD, FCAP, ABP (Clinical & Anatomic), ABNM
Professor, Nuclear Medicine Physician

Dr. Gaber AM Ziada BSc, MSc, PhD
Associate Professor, Nuclear Medicine Physicist

Dr. Issa Loutfi MD, MSc, PhD, ABNM, Nuclear Medicine Specialist (UK)
Associate Professor Nuclear Medicine Physician

Dr. Ismet Sarikaya, MD
Associate Professor, Nuclear Medicine

Dr. Fatma JFM Al-Saeedi, BSc, MSc, PhD
Assistant Professor, Nuclear Medicine Scientist

Dr. Saud Alenezi, MBBCh, FRCPC, ABNM
Assistant Professor, Nuclear Medicine Physician

Dr. Mohammad Ghanem MD, FRCPC, ANZPANM

Assistant Professor, Nuclear Medicine, Physician

Dr. Shorouk F Dannoos BSc, PhD
Assistant Professor, Radiopharmaceutical Chemist

Dr. Maryam Yousef Alqabandi, PhD
Assistant professor, Biophysics

Dr. Nahel Al-Nafeesi, MBBCh, FRCPC, ABNM
Assistant Professor, Nuclear Medicine, Physician

Teaching Assistants

Mrs. Jehan M Al-Shammeri BSc, MSc, Radiobiology

Lab Physicians

None

Clinical Tutors

Dr. Iman Al-Shemmeri, Senior Specialist and Head of Department, Adan Hospital.
Dr. Michael Maasomi, physicist, Adan Hospital.
Dr. Abdelmonem Omar, consultant, Mubarak Al-kabeer Hospital.

Visiting Professors and External Examiners

None

External Examiners

None

M.Sc. Students

Dr Reema Abu Shawareb

Ph.D. Students

None

SUPPORT STAFF

Research Assistant and Scientific Assistants

Mrs. Heba Essam Eldeen, BSc, Scientific Assistant, Nuclear Medicine.

Technologists

- Mr. Mohammad Sakr BSc, Diploma (Radiation Physics), MSc, PhD, Chief Technologist and Radiation Safety Officer, Radiation Physics
- Mr. Ashiq Kanchwala BSc, MSc, Senior Technologist, Chemistry
- Ms. Aseel Al Kandari BSc, Technologist, Nuclear Medicine
- Mrs. Esraa Ezat Elkasby, BSc, Lab Technologist, Veterinarian
- Mrs Fatama Alrwaih, BSc, Technologist

Biological Researcher

- Mrs. Samar Almutairi, BSc, Biological Researcher, zoology

Secretaries

- Mrs. Jehan Essam, BSC, Secretary

STAFFING CHANGES

Appointed

Dr. Nahel Al-Nafeesi
Mrs. Jehan Essam

Promotions

None

Staff who left the departments

None

TEACHING IN THE DEPARTMENT PROGRAM

I. Faculty of Medicine

a) Undergraduate teaching

Lectures	:	49
Tutorials/Seminars/PBL	:	161
Practical /CSL	:	152

Total teaching hours given to Students per year	:	362

II. OTHER FACULTIES

a) Undergraduate teaching in Faculty of Allied Health Sciences

Lectures : 15+12=27

Tutorials :

Practicals :

a) Undergraduate teaching in Faculty of Pharmacy (PharmD program)

Lectures : 12 hr

Tutorials :

Practicals : 12 hr

Post graduate teaching (KIMS/MSc) : 1330

RESEARCH AND PUBLICATIONS

Researches:

***Funded:**

Title: Preclinical Evaluation of Various Radiopharmaceuticals for Diagnosis Purposes of Heterotopic Bone Formation

Funding: Funded

Status: On going

Name of principal investigator: Shorouk F. Danno

Name(s) of co-investigators: Saud Al Enezi, Abdelhamid H. Elgazzar, Samar Almutairi

Title: Preclinical Nuclear Medicine and Molecular Imaging Laboratory

Funding: Funded

Status: On going

Name of principal investigator: Rajaa Alatya

Name(s) of co-investigators: Abdelhamid Elgazzar, Mehraj Sheikh, Mabayoje Oriowo, Segun Mojiminiyi

****Unfunded:**

Title: The added value of SPECT- CT in the detection and localization of heterotopic ossification on bone scintigraphy.

Funding: Unfunded

Status: Manuscript accepted

Name of principal investigator: Dr Mohammad Ghanem

Title: Prognostic value of lymphatic channels seen on sentinel lymph node mapping in patients with breast cancer.

Funding: Unfunded

Status : ready for submission

Name of principal investigator: Dr Mohammad Ghanem

Title: The significance of ^{18}F -FDG PET/CT in restaging of high-risk testicular carcinoma

Funding: Unfunded

Status : ready for submission

Name of principal investigator: Dr Sharjeel Usmani

Title : Value of HbA1C in predicting the image quality in diabetic patients performing FDG PET-CT in an ontological setting

Funding: Unfunded

Status : on going

Name of principal investigator: Dr Mohammad Ghanem

Title: Evaluation of pathophysiological changes in diabetes: role of functional imaging in experimental investigation of diabetes and its complications.

Funding: Unfunded.

Status: On going.

Principal Investigator: Dr. Fatma Al-Saeedi.

Title: $^{99\text{mTc}}$ -HMPAO brain test for monitoring pathophysiological changes of early diabetes using a rat animal model.

Funding: Unfunded.

Status: On going.

Principal Investigator: Dr. Fatma Al-Saeedi.

Title: Detection of early change in renal glomerular filtration in experimental diabetes mellitus using radiolabeled $^{99\text{mTc}}$ -DTPA and nuclear medicine imaging.

Funding: Unfunded.

Status: On going.

Principal Investigator: Dr. Fatma Al-Saeedi.

Title: ^{99m}Tc Sulfur colloid and ^{99m}Tc mebrofenin hepatobiliary functional liver imaging in normal and diabetic rats: Biochemical blood sampling.

Funding: Unfunded.

Status: On going.

Principal Investigator: Dr. Fatma Al-Saeedi.

Title: ^{99m}Tc Sulfur colloid functional liver imaging in normal and diabetic treated with insulin rats: A histological changes view.

Funding: Unfunded.

Status: On going.

Principal Investigator: Dr. Fatma Al-Saeedi.

Title: Impact of Obesity on Musculoskeletal Imaging Funding: unfunded

Status: Ongoing

Name of principal investigator: Saud Al-Enezi

Name(s) of co-investigators: Shorouk Dannoon, Naheel Al-Nafisi, Abdelhamid Elgazzar

Title: Investigation of a simple protocol to reduce radiation exposure from PET patients

Funding: unfunded

Status: Ongoing

Name of principal investigator: Shorouk F. Dannoon

Name(s) of co-investigators: Saud Al-Enezi, Naheel Al-Nafisi, Abdelhamid Elgazzar, Samar Almutairi

Title: Studying Ga-68 PSMA ligand, a new potential radiotracer for renal cortical imaging, in patients with pyelonephritis

Funding: unfunded

Status: Ongoing

Principal Investigator: Dr. Ismet Sarikaya

Title: Myocardial perfusion imaging in patients with coronary artery stents

Funding: unfunded

Status: Ongoing

Principal Investigator: Dr Issa Loutfi

Title: Optimization of the thyroid/parathyroid imaging protocol.

Funding: Funding application in progress

Status: Ongoing

Principal Investigator: Dr Issa Loutfi

Title: Enhanced display of the pyramidal lobe by Tc-99m pertechnetate thyroid scan as corroborating evidence of thyrotoxic Graves' disease

Funding: unfunded

Status: Ongoing

Principal Investigator: Dr Issa Loutfi

Title: Structural/functional imaging of the fatty liver using Tc-99m colloid liver SPECT/CT

Funding: Funding application in progress

Status: Ongoing

Principal Investigator: Dr Issa Loutfi

Title: Monitoring the effects of immunotherapy of cancer using nuclear medicine and molecular imaging methods

Funding: unfunded

Status: Ongoing

Principal Investigator: Dr Issa Lout

Publications:

Original Articles:

1. Alnafisi N, Dannoon S, Alenezi S, Salem S, Alsaleh M, Asa'ad S. Septal/Lateral wall ratio in myocardial perfusion imaging: is it different between hypertensive and normotensive patients? Egyptian Journal of Radiology and Nuclear Medicine Manuscript Accepted for Publication on October 2018
2. Dannoon S, Al-Fouzan W, Alenezi S, Alosaimi A, Alhusain M, Elgazzar A. Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis". Indian Journal of Nuclear Medicine 2019; 34: 27-31.
3. Sarikaya I, Sarikaya A. Current Status of Radionuclide Renal Cortical Imaging in Pyelonephritis. J Nucl Med Technol. Accepted for publication 2019.
4. Sarikaya I, Sarikaya A, Sharma P. Assessing effect of various blood glucose levels on 18F-FDG activity in the brain, liver and blood pool. J Nucl Med Technol. 2019. Accepted for publication.

5. Sarikaya I, Sharma P, Sarikaya A. F-18 fluoride uptake in primary breast cancer. *Annals of Nuclear Medicine*. Ann Nucl Med. 2018; 32:678-686.
6. Sarikaya I, Sarikaya A. Assessing 18F-FDG uptake in the sentinel lymph node in breast cancer. *J Nucl Med Technol*. 2018 Nov 9.pii: jnmt.118.219758.doi:10.2967/jnmt.118.219758.
7. Sarikaya I, Sharma P, et al. Assessing oral glucose and intravenous insulin loading protocol in 18F-FDG PET cardiac viability studies. Accepted for publication. *World J Nucl Med* 2018.
8. Ege GA, Karamustafaoglu Y, Balta C, Sut N, Sarikaya I, et al. Prognostic Significance of F-18 Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography Derived Metabolic Parameters in Surgically Resected Clinical N0 Non-Small-Cell Lung Cancer. *Nucl Med Commun*. 2018; 39:995-1004.
9. Ghanem M, Elgazzar A: The added value of SPECT- CT in the detection of Heterotopic Ossification on bone scintigraphy. *Skeletal Radiology*, accepted
10. Sarikaya I, Sarikaya A, Elgazzar AH, Caloglu VY, Sharma P, Baqer A, Caloglu M, Alfeeli M. PSA cutoff value for ordering NaF PET/CT bone scan in patients with prostate cancer. *World Journal of Nuclear Medicine* 2018;17: 281-285
11. Loutfi I, Medical Nuclomics: a new order in nuclear medicine practice. *Nuclear Medicine Communications* 40:294-6, 2019
12. Masoomi M, Alnafisis N, Alenezi S, Aldousari H, Alshammari I. Efficiency of Yttrium-90 time of flight PET/CT in post radioembolization imaging of microsphere biodistribution in Radiosynovectomy. *International journal of nuclear medicine and radioactive substances*.1:100-105, 2018
13. Nicola De Franceschi, Maryam Alqabandi, Winfried Weissenhorn, Patricia Bassereau. Dynamic and Sequential Protein Reconstitution on Negatively Curved Membranes by Giant Vesicles Fusion. *Bio-protocol* 9(13): e3294. DOI: 10.21769/BioProtoc.3294. Published Vol 9, Iss 13, 05 July 2019
14. Nicola De Franceschi^{1*}, Maryam Alqabandi^{1*}, Nolwenn Miguët, Christophe Caillat, Stephanie Mangenot, Winfried Weissenhorn, Patricia Bassereau. The ESCRT protein CHMP2B acts as a diffusion barrier on reconstituted membrane necks. *J Cell Sci* 2019 132: jcs217968 doi: 10.1242/jcs.217968 Published August 2018
15. Alexandre Beber, Maryam Alqabandi, Coline Prevost, Fanny Viars, Daniel Levy, Patricia Bassereau, Aurélie Bertin, Stéphanie Mangenot. Septin-based readout of PI(4,5)P2 incorporation into membranes of giant unilamellar vesicles. *Cytoskeleton*, doi: 10.1002/cm.21480 Published August 2018

Abstracts:

1. Ashkanani H, Akl A, Loutfi I. Patterns of F-18 fluorodeoxyglucose (FDG) PET/CT uptake in ocular tissues and muscles, 24th HSC poster day, March, 2019
2. Almaateeq B, AlHaddad SH, Loutfi I. Joint/Bone Ratio as an Indicator of Arthritis on the Tc-99m HDP Bone Scan. 24th HSC poster day, March, 2019

3. Al Amiri F, Loutfi I. Fatty Liver Evaluation using CT in Tc-99m Tetrofosmin Myocardial Perfusion Imaging and Gated SPECT/CT and its Correlation with Coronary Artery Disease. 24th HSC poster day, March, 2019
4. Al Kandari AWF, Al Kandari ARF, Al Musaileem A, Loutfi I. Tc-99m Tetrofosmin Gated-SPECT Myocardial Perfusion Imaging For Assessment of Left Ventricular Contraction Dyssynchrony in Patients with Myocardial Ischemia and Infarction. Society of Nuclear Medicine and Molecular Imaging Mid-Winter Meeting, Palm Springs, California, USA, January, 2019.
5. Al-Saeedi F. Cancer-imaging agent and method of radio imaging using the same. 1st Kuwait University forum of inventions and innovation poster, 13 Feb 2019. Khaldiya, Kuwait University, Kuwait.
6. Al-Saeedi F. titled: Cancer-imaging agent and method of radio imaging using the same. The 11th International Invention Fair in the Middle East, Gulf Cooperation Council (GCC) Patent Office. 27-30 Jan 2019. Kuwait Science Club, Kuwait
7. Elgazzar AH, Ghanem M. The added value of SPECT/CT in the proper diagnosis of heterotopic ossification by bone scintigraphy. Society of Nuclear medicine and molecular imaging, Anaheim. California, June, 2019
8. Dannon S, Alenezi, S. A.; Elgazzar, A. The Efficacy of the Available Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumors: A Meta-Analysis. Technetium and Other Radiometals in Chemistry and Medicine (TERACHEM 2018), Bressanone (BZ), Italy; September, 2018
9. Dannon S, Al-Fouzan W, Alenezi S, Alosaimi A, Alhusain M, Elgazzar A. Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis. European Association of Nuclear Medicine (EANM'18), Düsseldorf, Germany; October 2018
10. Alenezi S, Dannon S, Alnafisi N, Asaad , Osman M, Elgazzar A. Effect of brown adipose tissue activation on myocardial F-18 FDG uptake. 24rd HSC Poster Conference, Faculty of Medicine, Kuwait; March 2019
11. Sarikaya1, A. Sarikaya2, K. Khaled Ateyah3, W. Kamel4, N. Essa Bin Essa5; Visual and Semiquantitative analysis of F-18 Fluorodeoxyglucose positron emission tomography brain images of patients with dementia. EANM Annual Meeting, October 2018, Dusseldorf, Germany.

Books:

Elgazzar AH, Alenezi S: Concise guide to Nuclear Medicine, second edition, Springer, Berlin-New York. In press

Awards:

Ralph Blumhardt Award of the ACNM for poster: Al Kandari AWF, Al Kandari ARF, Al Musaileem A, Loutfi I. Tc-99m Tetrofosmin Gated-SPECT Myocardial Perfusion Imaging for Assessment of Left Ventricular Contraction Dyssynchrony in Patients with Myocardial Ischemia and Infarction. Society of Nuclear Medicine and Molecular Imaging Mid-Winter Meeting, Palm Springs, California, USA, January, 2019.

Book Chapter:

CONTRIBUTIONS

a) **Participation in Ministry/Government activities**

- **Prof. Abdelhamid H. Elgazzar**

1. Seconded as Senior Consultant at the Department of Nuclear Medicine, Mubarak Al-Kabeer Hospital.
2. Member, national radiation safety committee, MOH.
3. Clinical tutor, Postgraduate Training Program in Nuclear Medicine, Kuwait institute for medical specialization (KIMS).

- **Dr. Gaber Ziada**

1. Seconded as Nuclear Medicine physicist, at the department of nuclear medicine, Mubarak Al-Kabeer Hospital.
2. Tutor, postgraduate training program in Nuclear medicine, Kuwait institute for medical specialization (KIMS)

- **Dr. Issa Loutfi**

1. Seconded as Senior Consultant of Nuclear Medicine, Department of Nuclear Medicine, Mubarak Al-kabeer Hospital
2. Research coordinator, Department of Nuclear Medicine, Mubarak Al-Kabeer Hospital
3. Member of the staff Orientation Committee, Mubarak Al-Kabeer Hospital
4. Member of the KIMS Nuclear medicine examination committee

- **Dr. Ismet Sarikaya**

- a. Seconded as a senior consultant to Mubarak Al-kabeer Hospital, MOH
- b. Teaching at Nuclear Medicine Residency program, KIMS, MOH

- **Dr. Saud Alenizi**

1. Seconded as a chairman of nuclear medicine department, Farwaneya Hospital
2. Teaching in KIMS nuclear medicine program
3. Head of Nuclear Medicine Council, MOH
4. Member of Radiation Protection Committee, MOH

5. Member of Board of Trustees, Jaber Al-Ahmad Molecular Imaging Center, MOH & KFAS

- **Dr. Fatma Al-Saeedi**

Seconded to Mubarak Al-Kabeer Hospital, Ministry of Health, Department of Nuclear Medicine (Radiopharmacy laboratory).

- **Dr. Shorouk Dannoan**

1. Seconded to Mubarak Al-Kabeer Hospital, Ministry of Health, Department of Nuclear Medicine (Radiopharmacy laboratory).
2. Teaching Radiopharmacy, KIMS nuclear medicine program

- **Dr. Mohammad Ghanem**

1. Seconded as a Nuclear Medicine Consultant and Head of Department of Nuclear Medicine, Jaber Al-Ahmad Hospital.
2. Program Director, Kuwait board Post-graduate Training Program, Kuwait Institute of Medical Specialization

- **Dr. Maryem Alqabandi**

Seconded to Mubarak Al-Kabeer Hospital, Ministry of Health, Department of Nuclear Medicine

Dr. Naheel Alnafisi

1. Seconded as a senior consultant and chairperson at Mubarak al Kabeer hospital. MOH
2. Secretary, Nuclear Medicine council, MOH

b) **Offices (e.g. president) held in professional organizations.**

- **Prof. Abdelhamid H. Elgazzar**

1. Chief Advisor, International Committee for Development of Cancer Centers.
2. Member, Committee for Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME), UNISCO.
3. Sub chair scientific program, Society of Nuclear Medicine and Molecular Imaging USA.
4. Advisor, Arab Society of Nuclear Medicine
5. Chairman, scientific committee, Kuwait Annual Nuclear Medicine Conference March 24- 26, 2019
6. Judge, poster award, Society of Nuclear Medicine and molecular imaging annual meetings

- **Dr. Gaber Ziada**

1. Member, European Society of Nuclear Medicine (ESNM)
2. Member, American Society of Nuclear Medicine (SNMMI)
3. Member, society of Nuclear Cardiology (ASNC)
4. Member, Egyptian society of Nuclear medicine specialist (ESNMS)

- **Dr. Issa Loutfi**

1. Member Society of Nuclear Medicine and Molecular Imaging
2. Member Kuwait Society of Nuclear Medicine and Molecular Imaging
3. Fellow Royal Statistical Society

- **Dr. Ismet Sarikaya**

1. Coordinator, Research Committee, Department of Nuclear Medicine
2. Department representative, Respiratory module

- **Dr. Saud Alenizi**

Head, organizing committee, Kuwait Annual Nuclear Medicine Conference
March 24- 26, 2019

- **Dr. Mohammad Ghanem**

Member of Kuwait Society of Nuclear Medicine and Molecular Imaging

- **Dr. Shorouk Dannoon:**

Member, Scientific Committee Member and organizing committee, Annual Nuclear Medicine Conference March 24-26, 2019

- **Dr. Naheel Alnafisi**

Member, organizing committee, Kuwait Annual Nuclear Medicine Conference
March 24- 26, 2019

c) **Advisory editor services for professional journals.**

- **Prof. Abdelhamid H. Elgazzar**

1. Member, Editorial Board, International Journal of Orthopedics.
2. Member, Editorial Board of World Journal of Nuclear Medicine.
3. Member, Editorial Board, Asia Oceania Journal of Nuclear Medicine & Biology.
4. Member, Editorial board, Egyptian Journal of Nuclear Medicine.
5. Member, Editorial board of Pakistan Journal of Nuclear Medicine.
6. Reviewer Journal of Nuclear Medicine and Molecular Biology.
7. Member, Editorial board journal of case reports of medicine.

- 8. Member, editorial board, clinics in oncology
- 9. Regional editor, Gulf Journal of Oncology.

- **Dr. Gaber Ziada**

Advisory Editor, Egyptian J Nuclear Medicine

- **Dr. Issa Loutfi**

Reviewer, Medical Principles and Practice
 Reviewer, Kuwait Medical Journal
 Reviewer, Journal of Nuclear Medicine Technology
 Member of the editorial board: International Journal of Radiology & Medical Imaging
 Weekly contributor to Afaq (Kuwait University Newspaper)

- **Dr. Saud Alenizi**

An active editor in the Journal of Nuclear Medicine Communications.

- **Dr. Shorouk Dannoon:**

- a. An active editor in the Journal of Radiochimica Acta since November 2014.
- b. An active editor in the World Journal of Nuclear Medicine since January 2019.

d) **Active participation in professional conferences.**

Conference attendance by staff shall be listed only in cases of active participation in the conference. Please give staff member name, date and place of conference, title of paper/abstract/poster or nature of activity (guest speaker/chaired session etc.)

- **Prof. Abdelhamid H. Elgazzar**

1. SNMMI 65th Annual Meeting, Philadelphia, PA; June 2018:
 - a. Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis (abstract)
 - b. Sub chair, scientific program
 - c. Judge, poster presentations
2. First Arab society of Nuclear Medicine, Amman, Jordan August , 2018:
 - a. Key note lecture: Understanding Principles of Creativity: Impact on Professional Development (guest speaker)
 - b. Diagnosis of chronic and vertebral osteomyelitis (guest speaker)
 - c. Attended board meeting as the society advisor
3. Kuwait Annual Nuclear Medicine Conference, Kuwait; March 2019
 - a. Chairman, scientific program committee
 - b. The Rising Importance of Learning Creativity & Innovation (guest speaker)
 - c. Conference's high-light talk (guest speaker)

4. Radiation Safety training meeting, health science center, Kuwait University, Kuwait; April 2019. Program chairman.

- Dr. Gaber Ziada

1. Egyptian Nuclear Medicine Congress The 17th International Nuclear Medicine Conference Marriott Hotel - Cairo, Egypt 23rd. – 24th.March, 2019.
2. The Faculty of Science Helwan University, Cairo: Advanced medical imaging physics: exchange between Egypt and japan keynote speaker Helwan 25-28 March 2019

- Dr. Issa Loutfi

1. Society of Nuclear Medicine and Molecular Imaging Mid-Winter Meeting, Palm Springs, California, USA, 2019. Poster title: Tc-99m Tetrofosmin Gated-SPECT Myocardial Perfusion Imaging for Assessment of Left Ventricular Contraction Dyssynchrony in Patients with Myocardial Ischemia and Infarction.
2. Kuwait Annual Nuclear Medicine Conference, Kuwait; March 2019, session chairman

Dr. Ismet Sarikaya

European Association of Nuclear Medicine (EANM'18), Düsseldorf, Germany; October 2018:

- Dr. Saud Alenizi

1. Kuwait Annual Nuclear Medicine Conference, Kuwait; March 2019
 - a. Conference Chairman
 - b. Past, Current and Future status of Nuclear Medicine in Kuwait (guest speaker)
2. Technetium and Other Radiometals in Chemistry and Medicine (TERACHEM 2018), Bressanone (BZ), Italy; September, 2018: Poster Participation: "The Efficacy of the Available Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumors: A Meta-Analysis."
3. European Association of Nuclear Medicine (EANM'18), Düsseldorf, Germany; October 2018: Attendance and Poster Presentation: Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis.

4. 24rd HSC Poster Conference, Faculty of Medicine, Kuwait; March 2019: Poster Presentations: Effect of Brown Adipose Tissue Activation on Myocardial [18F]FDG Uptake

Dr. Shorouk Dannoon:

1. SNMMI 65th Annual Meeting, Philadelphia, PA; June 2018
Presented oral talk titled “Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis”
2. Technetium and Other Radio metals in Chemistry and Medicine (TERACHEM 2018), Bressanone (BZ), Italy; September, 2018
Poster Presentation: “The Efficacy of the Available Peptide Receptor Radionuclide Therapy for Neuroendocrine Tumors: A Meta-Analysis.”
3. European Association of Nuclear Medicine (EANM’18), Düsseldorf, Germany; October 2018: Poster Presentation: Effect of Microbiologic Characteristics of Causative Micro-Organisms on Patterns of Labeled WBCs Uptake in Osteomyelitis.
4. 24rd HSC Poster Conference, Faculty of Medicine, Kuwait; March 2019 Poster Presentations: Effect of Brown Adipose Tissue Activation on Myocardial [18F] FDG Uptake
5. Kuwait Annual Nuclear Medicine Conference, Kuwait; March 2019
Chaired Session (moderator): Radiopharmaceuticals II
6. Radiation Safety training meeting, health science center, Kuwait university, Kuwait; April 2019
Invited Speaker: “Quality assurance and safety aspects of PET radiopharmaceutical” and “Radiation Safety Aspects in Radiopharmacy: Transport safety, source security and dealing with waste”

- **Dr. Naheel Alnafisi**

-

Kuwait Annual Nuclear Medicine Conference, Kuwait; March 2019, session chairman

- e) Service as external examiners outside Kuwait.
None

f) Contribution to committees in the Faculty of Medicine.

- Prof. Abdelhamid H. Elgazzar

1. Member Accreditation steering committee, Faculty of Medicine
2. Chairman, human resources accreditation subcommittee
3. Member, Ethics committee
4. Member, radiation safety committee
5. Coordinator, clinical nuclear medicine course, MSc Program
6. Coordinator, Scientific writing and communication course, graduate program

- Dr. Gaber Ziada

1. Graduate Program Director.
2. Member, Department Appointment & Contract Renewal Committee
3. Member Department Scholarships committee

- Dr. Issa Loutfi

1. Member Phase II Examination Committee
2. Judge, 24th Health Sciences Center Poster Conference 2019
3. Member departmental Appointment & Contract Renewal Committee
4. Member departmental Scholarships Committee
5. Member Departmental Graduate Program (PhD & MSc) Committee
6. Departmental representative Phase II curriculum review committee for Nervous System
7. Departmental representative Phase II curriculum review committee for the Endocrine System
8. Departmental representative Phase II curriculum review committee for the Renal System

- Dr. Saud Alenizi

1. Member, Examination Committee, Phase I.
2. Member, Examination Committee, Phase III.
3. Member, PBL coordination group
4. Member, cardiovascular system module committee
5. Member Departmental Graduate Program Committee
6. Member departmental Appointment & Contract Renewal Committee Departmental recruitment committee
7. Member, Accreditation Human Resources Sub-Committee

- Dr. Mohammad Ghanem

1. Member of phase II examination committee at Faculty of Medicine
2. Member of the Health and Safety committee at Faculty of Medicine.

3. Member of the departmental Appointment and Contract Renewal Committee
4. Member of Departmental Graduate Program (MSc) Committee

- Dr. Shorouk Dannoon:

1. Departmental Scholarship Committee
2. Member, Accreditation Human Resources Sub-Committee
3. Student Advisor
4. Member, department Supporting Staff Interview Committee

g) Contribution to committees outside the Faculty

- Prof. Abdelhamid H. Elgazzar

Member, scientific journal accreditation committee, Kuwait University

Member, national radiation protection committee

Member, social security fund for university employees, Kuwait University

Member, chairman search and review committees, faculty of dentistry

Member, promotion review committees, faculty of dentistry and pharmacy

CONCLUSION

The Department of Nuclear Medicine has continued to strive in the provision of excellence in teaching, research, clinical services and community contributions. The department remains dedicated to the establishment of a well-equipped research facility that will include radiochemistry and computer laboratories, and the much anticipated Micro PET/CT in which a general faculty grant was approved. The department has produced 15 original articles, 1 book and 1 international award winning abstracts.

The major obstacle however is the lack of proper clinical site with an academic philosophy and atmosphere to facilitate further development in teaching, service and research activities. The department is in need for senior staff in medical physics since the department is hoping to activate the PhD program.

OBSTETRICS AND GYNAECOLOGY

1.0 INTRODUCTION

Through a unique mixture of theory, practical and innovative teaching methods and practitioner interactions, the undergraduate programme of Department of Obstetrics and Gynaecology, Faculty of Medicine, Kuwait University, Kuwait, delivers the hands on clinical experience and skills necessary for well grounded medical practitioners and suitable candidates for postgraduate specialisation in Obstetrics and Gynaecology and related subspecialties of Reproductive medicine, fetal-maternal medicine, gynae oncology and urogynaecology.

2.0 Our Mission, Vision and Profile

2.1 Our Mission

To train and produce medical doctors that are well grounded in the science and practice of Obstetrics and Gynaecology, that will be able to contribute towards enhancement of Women's healthcare in Kuwait. In addition, the doctors would have a solid foundation for postgraduate training and specialisation in Obstetrics and Gynaecology and subspecialisation in Reproductive Medicine and Assisted Reproductive Technology (ART), Maternal and Fetal Medicine, Gynae Oncology and Uro-Gynaecology.

2.2 Our Vision

The vision of the future will embrace a robust staff development program through the Faculty of Medicine Scholarship Program and Staff recruitment. The department is in the forefront in contributing to the erecting of a solid structure of sustainable women healthcare, with operational excellence with dedication, honesty and integrity.

The department will set the standards in community relations and service and actively promote the sustainable development of maternal healthcare in Kuwait. The department will provide for its staff an exciting and fulfilling place to work and the opportunity to develop their potential with an international outlook and mindset.

2.3 Profile of the department

The department is blessed with an assemblage of intellectuals of enviable background of academic specialisation, namely, Reproductive Medicine and Assisted reproductive Technology (ART), Fetal and Maternal Medicine, Gynaecological oncology and Urogynaecology. Expertise in Reproductive endocrinology, Reproductive Immunology and reproductive Physiology abound. In recent years, there has apparent underperformance in the students involvement in labour ward activities. This is an area of the curriculum that needs urgent reshaping. Similarly, research philosophy will need revalidation in keeping with the vision of the future. The academic staff members of the department have continued their involvement in community services as specialty and sub-specialty experts, by offering quality clinical services at the Maternity and Adan Hospitals. They have used their expertise in giving hope to many in areas of Reproductive

Medicine (infertility), Maternal fetal Medicine, Gynaecology and Urogynaecology. The andrology laboratory of the department has continued with its increased patronage from Maternity and Mubarak Al-Kabeer Hospitals and Private Clinics. The department is happy to welcome back Dr. Waleed Al-Jassar, Assistant Professor in the subspecialty of Gynae Oncology from his one year study leave.

2.4 MANPOWER

ACADEMIC STAFF

1. Faculty Members

Dr. Alexander E. Omu, MRCOG, FRCOG
Professor & Chairman,
Since March 4, 2014
Joined 1992

Dr. Eyad Al-Saleh, FRCS(C)
Professor
Joined 2000

Dr. Majedah K. Al-Azemi, FRCOG
Professor
Joined 2000

Dr. Nandakumaran Moorkath, Ph.D
Professor
Joined 1984

Dr. Majed Al-Shammari, FRCS (C)
Associate Professor,
Joined 2000

Dr. Rachana Chibber, FRCOG
Associate Professor
Joined December 2008

Dr. Jehad Al-Harmi, FRCS(C)
Assistant Professor
Joined January 2006

Dr. Waleed Al-Jassar, FRCS(C)
Assistant Professor
Joined July 2009

Dr. Baydaa Al-Sannan, FRCS(C)

Assistant Professor
Joined Dec. 2013

Dr. AbdulRahman Al-Serri, FRCS(C)
Assistant Professor
Joined August 2015

1. Teaching Assistants-Nil

2. Lab Physicians- Nil

2. Clinical Tutors

1. Dr. Jassim Al-Hijji, Consultant, MD, PhD, Jaber Al-Ahmad Hospital.
(Chairman of Obstetrics & Gynaecology Dept., Jaber Al-Ahmad Hospital)
2. Dr. Khalid Al-Najjar, Senior Specialist, Kuwaiti Board, Maternity Hospital.
(Chairman of Obstetrics & Gynaecology Dept., Maternity Hospital)
3. Dr. Abeer Al-Zaydai, Senior Specialist, MRCOG, Adan Hospital.
(Chairperson of Obstetrics & Gynaecology Dept., Adan Hospital)
4. Dr. Mohammed Foda, Consultant, FRCOG, Adan Hospital.
5. Dr. Khalid Al-Akkad, Consultant, MD, Adan Hospital.
6. Dr. Selim Youssef Ebeid, Consultant, FRCOG, Adan Hospital.
7. Dr. Mariam Al-Dosseri, Consultant, Kuwait Board, Adan Hospital
8. Dr. Nawal Y. Khajah, Consultant, MRCOG, Maternity Hospital.
9. Dr. Mona Taleb Al-Qanae, Consultant, Arab Board, Maternity Hospital.
10. Dr. Iman Shamali, Consultant, FRCOG, Maternity Hospital.
11. Dr. Fatima Al-Kandari, Consultant, FRCOG, Maternity Hospital.
12. Dr. Hatem Mattar, Consultant, MRCOG, Maternity Hospital.
13. Dr. Manal Al-Jaber, Consultant, MRCOG, Maternity Hospital.
14. Dr. Warqa Al-Shayji, Consultant, FRCS(C), Maternity Hospital.
15. Dr. Maysoun A. Hasan, Senior Specialist, Kuwaiti Board, Maternity Hospital.
16. Dr. Tareq Ali Assem, Senior Specialist, MD, Maternity Hospital.
17. Dr. Mohammed Farghali, Senior Specialist, MD, Maternity Hospital.
18. Dr. Shaima Al-Ragum, Senior Specialist, Kuwaiti Board, Maternity Hospital.
19. Dr. Huda Abdul Hameed, Senior Specialist, MRCOG II, Maternity Hospital.
20. Dr. Fatima Al- Ameer, Specialist, MRCOG 1, Kuwaiti Board,
Maternity Hospital.
21. Dr. Amel A. Abdulla, Specialist, Kuwaiti Board, Maternity Hospital.
22. Dr. Fatima Al-Dehrab, Specialist, MBCHB (Aberdeen) , Maternity Hospital.
23. Dr. Hanan Al-Khatlan, Specialist, Kuwait Board, Maternity Hospital.
24. Dr. Alia Al-Tuhoo, Specialist, Kuwait Board, Maternity Hospital.

25. Dr. Shaikha S. Al-Salem, Senior Registrar, Kuwait Board, Maternity Hospital.
26. Dr. Jameela Al-Qahtani, Senior Registrar, Kuwait Board, Maternity Hospital.
27. Dr. Mohammed Khalaf, Senior Registrar, MD, Maternity Hospital.
28. Dr. Saja Abdulla Sultan, Senior Registrar, Kuwait Board, Maternity Hospital.

3. Visiting Professors and External Examiners

External Examiners

1. Prof. Justin C. Konje
Professor/Honorary Consultant,
Obstetrician & Gynaecologist,
Department of Obstetrics & Gynaecology,
University of Leicester, 13 Weare, UK.
Email: jck4@le.ac.uk, jkonje@sidra.org
Tel: 01162525826/01162596943
2. Prof. Jim Thornton
Professor of Obstetrics and Gynaecology,
Nottingham City Hospital NHS Trust,
Academic Division of Obstetrics and Gynaecology,
Maternity Unit, Hucknall Road, Nottingham, UK.
Email: jim.thornton@nottingham.ac.uk
Tel: +044 (0) 115 82 31889
3. Prof. Mohammed Hisham Al-Sibai
Professor of Obstetrician & Gynaecologist,
The Arab Board of Medical Specialization,
Secretary General, General Secretariat in
Syrian Arab Republic, Amman Office,
Kingdom of Jordan.
Email: hishamalsibai@hotmail.com
Tel: 00963116119742, 932221112
4. **M.Sc Students -Nil**
5. **Ph.D. Students - Nil**
6. **Scholarship Students – Nil**

7. SUPPORT STAFF

1. Scientific Assistants

1. Susan George, BSc., MSc. Joined 2001

2. Technicians

1. Asiya Tasneem Ibrahim B.Sc, B.Ed., Chief Technician, Joined 1984
2. Wisam Muawad, BSc. Joined May 2009
3. Smitha Pariyani, MSc., Joined, November, 2012
4. Anju Raveendran Nair, BVSc & AH., Joined April, 2013
5. Chetana Madala, BTech Biotechnology, Joined December, 2017

3. Secretaries

1. Alexander Joseph, B.Sc. Joined December, 2009

8. STAFFING CHANGES

1. **Promotions:** - Nil

2. **Staff who left the department:** - Prof. Michael Diejomaoh, Joined in the year 1996, Contract ended and left the department on 15/03/2018.

3. **Academic staff on Sabbatical leave:** - Dr. Waleed Al-Jassar
(Joined back in Sept. 2018)

3.0 Operative objectives of the Department: Broad Objective.

1. The department continues with its overall broad objectives which include:
Equipping the student with the basic cognitive knowledge as well as psychomotor and affective skills related to the practice of obstetrics and gynaecology.
2. Sharpening the communication skills of the students to be able to confidently evaluate the obstetrical and gynaecological problems of the patients concerned under the supervision of senior or junior colleagues.
3. Supporting and encouraging excellence in professional competence of academic

staff through an effective continuing education programme, biomedical and clinical research and active participation at International Conferences.

3. Involving academic staff members in community service, in quality patient care, in health policy evolution and community education and leadership.

3.1 Undergraduate Programme

Our undergraduate teaching programme has continued to offer the students high level of clinical knowledge, acumen and expertise. The making of a young medical doctor needs experienced and dedicated personnel. The Department has continued to play this role with a high degree of professionalism. The emphasis on communication in Obstetrics and Gynaecology and increased and improved patient contact in the undergraduate programme has begun to yield dividends in the student-patient relationship. This has improved the gathering of data to understand the problems of patients and develop better rapport with the patients and their relations. The sixth year (2nd Clinical Year), Phase III students, rotated through Obstetrics and Gynaecology under Course Nos. 0590604 & 0590605 respectively, in three batches designated E, D and F Groups. Each group of students is taught in block system over approximately 12 weeks; some of the rotations were shortened because of dedicated holidays. The department is working hard to fulfill the tenets of the new curriculum [Phase III], with absolute confidence in facing the inherent challenges posed in its implementation.

3.3 Specific Learning Objectives:

At the end of the posting in Obstetrics and Gynaecology the students would demonstrate:

1. Requisite skills in obtaining a pertinent history and performing physical examination, with special regard to female pelvic organs in health and disease;
2. Ability to recognize the normal, detect the abnormal, and plan an approach to diagnosis and management of common diseases in the practice of obstetrics and gynaecology;
3. Competence to carry out the conduct of normal delivery and recognize abnormal and high risk labour;
4. Skills for fetal and newborn evaluation;
5. Ability to communicate with patients and to gain their confidence and attention, while discussing specific health problems with them;
6. Comprehensive knowledge of diseases and conditions affecting human fertility and their evaluation and the understanding of methods of fertility regulation;
7. Ability to interpret data of haematological, biochemical, histopathological and imaging investigations commonly employed in the practice of obstetrics and gynaecology;
8. Comprehensive knowledge of the use, possible abuse and adverse effects of drugs in pregnancy, as well as in pre-and post-menopausal periods;

9. Comprehension of the role and functions of Health Care Team;
10. Ability to appreciate the continuity of primary, secondary and tertiary health care, from peripheral clinic to hospital, hospital outpatients to ward, effectively combining inter-professional consultation and other services, and the follow-up;
11. Adequate knowledge about epidemiological and preventive aspects of gynaecology and obstetrics pertaining to the sociocultural background of the patients;
12. Awareness of, and sensitivity to, the religious belief and social customs in reproductive health;
13. Adequate knowledge of the need and rationale of vital statistics as an instrument of medical auditing, and for the ascertainment of disease burden in the community;
14. Knowledge of basic surgical practice in Obstetrics and Gynaecology;

4.0 Curriculum development and reforms

With the dynamic curriculum of the department that is built on transformational innovative spirit, emphasis is placed on use of emergent technology. Inevitably this will continue to enhance standards, quality and learning expectations, thus creating enabling and conducive learning environment for both students and teachers

4.1 Undergraduate Teaching

Student-Centered Technique (PBL and quizzes)e and Mini-CEX

The department has continued to work hard towards the successful implementation of the Phase III curriculum in Obstetrics and Gynaecology. This student-centered learning process has gained the full attention of all the academic staff, the clinical tutors and the students.

The interest, the team-spirit, joy and enthusiasm with which the students prepare for their seminars is not only a testimony to the necessary role of the student seminars, but also a stoical reflection of the absolute acceptance of this self-learning technique. Similarly the multi-disciplinary seminars have put the stamp of an all-embracing legitimacy and credibility in our vertical and horizontal integration with other departments of the Faculty of Medicine.

In addition to didactic lectures, and PBL sessions, tremendous emphasis is placed on daily clinical activities from 7.00a.m to 4.00p.m. The students worked hard in the preparation and submission of their clinical notes during each rotation and some of the clinical notes submitted were of outstanding in quality. The students also took call-duty in their respective clinical units and they participated in the supervision of mothers in labour and they conducted some deliveries under supervision. The overall basic aim has been the training of a doctor who is knowledgeable about the health problems of the community, and has the expertise and effective skills of communicating his concerns and interventional strategies to the citizenry. In the years ahead, we hope to adapt fully to the new innovative curriculum and we are confident that the student led seminars (SLS) in groups of 4-6 students will continue to emphasize research, team work and presentation in front of their peers.

The Mini-CEX

This is a formative assessment of core clinical skills. It is a One-On-One encounter between a student and a clinical staff, in which the student takes a focused history for about 5 minutes and examines the patient. The Clinical staff then review the performance of the students for 10 minutes. Two Mini-CEX sessions are carried out 3rd week of the clinical posting and the week before the end of the posting In-course assessment. It highly evaluated by the students and staff. And passing out from the curriculum the the young medical doctors will be better equipped to face the challenging demands of an ever changing and advancing field of clinical care and research. The academic members of staff were also actively involved in the comprehensive training of residents of Kuwait Board of Obstetrics and Gynaecology (KIMS).

4.2 Clinical thinking through clinico-pathological correlation. Clinical reasoning, also known as clinical judgment, is the process by which clinicians collect signs, process information, understand the patient's medical situation or problem, plan and implement appropriate medical interventions, evaluate outcomes, and learn from this entire process. In a nutshell, medical professionals use clinical reasoning to consider the various aspects of patient care and make a relevant and appropriate decision aimed at prevention, diagnosis, and treatment of a patient's problem: a critical aspect of strong clinical skills and quality care. This important aspect of teaching is gradually gaining momentum through sessions on clinic-pathological correlation with use of surgical pathological specimens and instruments.

4.3 Development of BluePrint at the begining of the academic year- to guide academic staff to showcase the scope of their lectures and clinical interactions with the medical students and what to involve in the end of posting and end of year final assessment.

4.4 End of Posting and end of year assessment

Computerised Eloops in MCQ format- Although this has a clinical coloration, it is structured in the format of multiple choice questions (MCQ). It is a fair plain and level playing field of assessment. We have used it in the three incourse and final assessment in the current academic year. A computerised MCQ assessment has also been introduced. In addition to saving of stationery, it has resulted in ease of computation of results. Both students and staff have highly evaluated the outcome of these two important reforms.

5.0 Staff Development and Activities:

The department plans to have a focus and greater emphasis in the sub-specialty interests in reproductive medicine, maternal-fetal medicine, gynaecological oncology and urogynaecology with some of our academic staff already in most of these areas of specialisation. In spite of the heavy clinical and teaching load of the academic members of staff, the department has not relented in its research efforts. The Department has continued to be involved through its members, in community service, with membership of many committees in the Faculty of

Medicine and Kuwait University, and the Ministry of Health and Kuwait Institute for Medical Specialisation (KIMS).

6.0 TEACHING IN THE DEPARTMENT PROGRAM

6.1. Faculty of Medicine

a) Undergraduate teaching

Alexander E. Omu

1.0 Introduction

I became a faculty member of Department of Obstetrics and Gynaecology in September 1992 as an Associate Professor and promoted to the rank of a full Professor in 1998. It gives me tremendous feeling of appropriate contribution, when I am greeted by former students who are now Faculty or consultants in different hospitals in Kuwait. I have been fully involved in curriculum development in the Department of Obstetrics and Gynaecology, Faculty of Medicine, Kuwait University, Kuwait. In addition to ageing, which is a natural biological process, I have gained tremendous academic, clinical and research experiences. But above all, I am wiser in human resources management. Yet there have been many and intricate challenges, which undoubtedly enriched my wisdom and experience luggage.

2.0 Undergraduate Programme:

Medical students contact encompasses lectures, clinics, ward rounds (bedside care), labour wards, theatre sessions and seminars. The clinico-pathological correlation has become a teaching tool during theatre sessions.

(a) Students-contact hours in lectures /seminars / clinical activities

- | | |
|--|-------------------|
| 1. Introduction to the posting in Obstetrics and Gynaecology | 2 hours per annum |
| 2. Reproductive anatomy and physiology | 6 hours per annum |
| 3. Primary and secondary sex differentiation and
Endocrinology of puberty. | 6 hours per annum |
| 4. Communication in O & G, ethics of practice, domestic
violence/sexual abuse | 6 hours per annum |
| 5. Benign and Malignant Ovarian tumors | 6 hours per annum |
| 6. Recent advances in O & G / Vital statistics | 6 hours per annum |

7.	Surgical/Pathological specimens for the weekly session of Clinico-pathological Correlation	24 hours per annum
8.	Supervision of students seminars	16 hours per annum
	(i) Pre-operative, intra-operative and post-operative care of the gynaecological and obstetrical patients.	
	(ii) Maternal mortality	
	(iii) Infections in Pregnancy	
9.	Revision	
	i. Multiple Choice Question mock exam and review	6 hours per annum
	ii. Objective Structured Clinical Examination (OSCE)	6 hours per annum
	iii. Museum Specimens	6 hours per annum
10.	Multidisciplinary seminar on "Imaging in Obstetrics and Gynaecology" with Department of Radiology of Faculty of Medicine, Kuwait University and Ultrasonography Unit.	3 hours per annum
11.	Multidisciplinary Seminar with Pathology and Microbiology 'Pelvic inflammatory disease'	6 hours per annum
12.	Mini-Cex – 2 per rotation	3 hours per annum
	Subtotal	102 hours per annum

2.2 Maternity Hospital

13.	Early morning ward round four times a week	60 hours per annum
14.	Teaching in the two outpatient clinics per week and Theatre Sessions once a week and 1 on 4 on-call duty	72 hours per annum
15.	Grandround / labour ward / on-call ward round	72 hours per annum
16.	Student tutorials-clinical thinking and reasoning	60 hours per annum
	Total Contact Hours	366 hours per annum

Eyad Al-Saleh

Undergraduate Teaching:

Students-Led Seminar

1.	Surgical Instruments in Obs and Gynae	6 hours per annum
2.	Obstetrics and Gynae Emergencies	6 hours per annum

Medical School Day

3. Surgical Instruments in Obs and Gynae 6 hours per annum
4. Participated and supervised all in-course examinations and final examination.
5. Interactive teaching **82 hours per annum**

Total contact hours : 100 hours per annum

Majedah K. Al-Azemi**Undergraduate Teaching****Lectures:**

1. Obstetrics Haemorrhage
-late pregnancy bleeding . Postpartum Haemorrhage 6 hours per annum
2. Management of Infertility 6 hours per annum
3. Examination and discussion 18 hours per annum

Total 30 hours per annum

Practical and Clinical Teaching:

1. Bedside teaching: case presentation and management
discussion and grand ward rounds. 72 hours per annum
2. Involvement of students in labour ward activities,
Outpatient clinic and operating theatre. 72 hours per annum

Total 174 hours per annum

PBLs (Problem Based Learning) 30 hours per group x 3 groups **90 hours per annum**

I have participated in all in course and final examinations conducted for our students

Total contact hours 300 hours per annum

Nandakumaran Moorkath**1. Undergraduate teaching****Lectures:**

1. Teaching Reproductive Physiology to 6th year
Medical Students. (Course :0590604 & 0590605) 6 hours per annum

Other contact hours (discussion, examination,
Invigilation) to 6th year medical students

6 hours per annum

Subjects taught: Adaptive changes in pregnancy including maturation of ovum,
Fertilization, implantation, pregnancy diagnostic tests, endocrine, circulatory, respiratory,
urinary and immune system changes in pregnancy, assessment of fetal growth, etc.

2. Participation as PBL facilitator in various teaching modules (Endocrine
Module, Infection & Immunology Module).

Total undergraduate Teaching (including Phase III & Phase II PBL Teaching)
Academic Year 2017/2018

60 Hours

Scheduled Undergraduate Teaching for Year 2019-2020 : 72 Hours

Majed Al-Shammari

Lectures:

- i. The following topics were presented as part of the Obstetrics and Gynecology sixth year
teaching program, and repeated over the year for three groups.

1. Antepartum and Intrapartum Fetal monitoring 6 hours per annum

2. Low birth weight: Preterm and
Intrauterine growth restriction 6 hours per annum

3. Case presentation: selective cases given
including pyelonephritis in pregnancy and postoperative
complications. 6 hours per annum

Medical School Day (MSD)

Rhesus iso-immunisation. Hydrops fetalis. Prevention &

Management. 4 hours per annum

Total 22 hours

- ii. Clinical Teaching: Direct and daily supervision of students rotating in Unit II in Maternity Hospital including outpatient 10hours/week and inpatient care, emergency room, labour wards, operating theatre(average 5 hours/week). Students were encouraged to participate under supervision with clinical duties. Regular tutorials and case presentations are conducted.

Total: 144 hours per annum.

Exam preparations

Preparation for exams 30 hours per annum

Correction of Incourse exam

1. OSCE/E-Loops (3 hours per rotation) 9 hours per annum

2. Essays and short notes (4hours per rotation) 12 hour per annum

Total 217 hours per annum

Rachana Chibber

Lectures / Multidisciplinary / Students Seminars:

1. Principle of Preconception counselling, antenatal, intrapartum and postnatal care : 6 hours Per annum
2. Multiple Pregnancy : 6 hours Per annum
3. Drugs in Obstetrics and Gynaecology : 6 hours Per annum
4. Premature Rupture of Membranes and Preterm deliveries . This was a Multidisciplinary Seminar with the department of Pediatrics : 6 hours Per annum
5. Surgical Instruments in Obstetrics & Gynaecology : 6 hours Per annum
6. Gynae-endoscopy : 6 hours per annum
7. Obst. & Gyne Emergencies : 6 hours per annum
8. Family planning : 6 hours per annum
9. Contraception and Counselling : 6 hours per annum
10. Medical School Day
 - 1) Contraception and Counselling : 1 hour per annum
 - 2) Premature Rupture of Membrane (PROM) and Preterm Deliveries : 1 hour per annum

- | | | |
|-------------------------------|---|------------------|
| 3) Gynae Endoscopy | : | 1 hour per annum |
| 4) Surgical Instruments | : | 1 hour per annum |
| 5) Obst. & Gynae. Emergencies | : | 1 hour per annum |

Clinical

Clinical teaching / Demonstration in Clinics : 6 hours each week

Bed side Teaching / Demonstration Stations /

Tutorials in the Ward during Grand Rounds : 90 hours per annum

Demonstrations / Teaching / Tutorials in the Operating

Theatres' adjoining room and during the on call /

Emergency duties of the students

I have participated in all in course and Final examinations of Phase III and

Final Examinations of Phase II for our students.

Phase II Renal Reproductive and Breast Module – Lecture

Normal Menstrual Bleeding and Menstruation Disorders

: 2 hours

Problem based Learning

- | | | |
|-------------------------------|---|---------------------|
| 1. Obstetrics and Gynaecology | : | 160 hours per annum |
|-------------------------------|---|---------------------|

Conducting of Incourse Exams

- | | |
|--------------------------|----------------------|
| 1. OSCE/E-Loops | |
| 2. Essay and Short notes | : 80 hours per annum |
| 3. Clinical | |

Co-ordinator

1. Phase III co-ordinator Ob/Gyn since the start in **2010 till 2014**

Total Teaching hours : 397 hours per annum

Student Evaluation: Consistently Excellent

Jehad Al-Harmi

Exempted from clinical secondment in Adan Hospital by the Dean for family circumstances.

1. **Teaching Activities for Sixth year medical students:**

Lectures:	9 hours
1. Management of normal and abnormal labor	
2. Hypertensive disorders of pregnancy	
3. Diabetes and pregnancy	
Student-led Seminars:	24 hours
1. Normal and abnormal pureperium	
2. Menopause and postmenopausal disorders	
3. Endometriosis and adenomyosis	
4. Malpresentations	
Medical School Day Presentations:	
1. Infections of the lower genital tract	
2. Sexually transmitted diseases	3 hours
Other activities:	146 hours
1. Preparation for exams and lectures	
2. End of rotation evaluation and review	
3. PBL sessions for one rotation	
4. Medical School Day	
5. Marking exams	
6. Review sessions	
2. Teaching Activities For Phase II Students:	
1. Module coordinator for Reproductive/Breast module	75 hours
2. Preparation of 3 learning topics for Reproductive/Breast module	
i. Labor initiation	
ii. Teratogens	
iii. Sexual response cycle	9 hours
d. Lectures for 4th year medical students in Reproductive/Breast module:	
i. Lactation	
ii. Menopause	
iii. Introduction to clinical Obstetrics and Gynaecology	
iv. Communication skills in Obstetrics and Gynecology	9 hours
Grand Total -	275.5 hours per annum

Dr. Waleed Al-Jassar

Lectures:

- | | |
|---|-------------------|
| 1. Benign and malignant conditions of the ovary | 3 hours per annum |
| 2. Trophoblastic disease | 3 hours per annum |
| 2. Seminars(MDS): | |

1. Screening for cervical cancer	1 hour per annum
2. Uterine malignancies	3 hours per annum
3. Pelvic inflammatory disease (PID)	3 hours per annum
4. Carcinoma of Cervix	2 hours per annum
4. Lower abdominal mass (SLS)	2hours 15 Minutes per annum
6. HPV & gynecological disorders (SLS)	1 hour per annum
7. Examination and discussion	18 hours per annum

Total Lecture hours 36 hours per annum

Practical and Clinical Teaching:

1. Bedside teaching: case presentation and management discussion and grand ward rounds.	72 hours per annum
2. Involvement of students in labour ward activities, Outpatient clinic and operating theatre.	72 hours per annum
	192 hours per annum

PBLs (Problem Based Learning) 30 hours per group x3groups **90 hours per annum**

I have participated in all in course examinations conducted for our students

Total teaching hours 282 hours per annum

Other years (Phase 2 programme)

1. Actively involved in Year 3 & 4 Phase 2- OSCE/OSPE (since 2012 till date) teaching programme.
2. As Examiner in Phase 2 Examinations since 2012 till date.
3. Actively involved in Year 3 & 4 Phase 2 examinations as invigilator and marker since 2012 till date.

Baydaa Al-Sannan

Teaching Activities

Lectures

1. Teaching Phase III clinical Rotation,
Topic "Genital Prolapse and urinary incontinence
2. Teaching Phase III clinical Rotation,
Topic "Abnormal Uterine bleeding"

3. Student led seminar teaching lectures, Phase III clinical rotation
Topic “Maternal Mortality-the way forward”
4. Student led seminar teaching lectures, Phase III clinical rotation
Topic “Infections in pregnancy ”
5. Participation as PBL Facilitator in phase III 6th year students Rotation, 4 hours per week.
Total of 8-9 PBLs in each group

108 hours

Clinical Teaching

- Clinical teaching at the hospital about 7 hours/week (morning and on call teaching).
- Bedside teaching, clinic, Labor room and OR for phase III groups/ OBGYN clinical rotation.

154 hours

Examination:

I have participated in all in course and final examinations conducted for our students

Phase II

1. Teaching Phase II preclinical Renal, reproductive and breast system module
 - a. Early fetal development
 - b. Fertilization and implantation
2. Participation as PBL Facilitator in phase II of RRB system module
3. Participation as PBL Facilitator in phase II of blood system module
4. Participation as PBL Facilitator in phase II of Digestive system module

Examination:

I have participated in Markers for OSCE examinations Phase-II

Total Contact Hours

268 hours

AbdulRahman Al-Serri

Actively involved in teaching (undergraduate/postgraduate) setting exams, examination of undergraduates, committees member, and research.

Undergraduate programme

Lectures:

Title of Course: Phase III - Obstetrics and Gynaecology , 059604 & 059605

Core lecture:

- | | |
|---------------------------|-------------------|
| 1. 1st trimester bleeding | 3 hours per annum |
|---------------------------|-------------------|

Medical school day:

- | | |
|--|------------------|
| 1. Assisted reproductive technology (ART) in Kuwait. | 1 hour per annum |
| 2. Hyperandrogenism. | 1 hour per annum |

Clinical:

- | | |
|---|--------------------|
| 1. Mini-CEX teaching (3 hours per rotation x 3 rotations) | 9 hours per annum |
| 2. Small group teaching (10 hours per rotation x 3 rotations) | 30 hours per annum |
| 3. PBL Facilitator (4 hours per week x 9 weeks) | 36 hours per annum |

Exam facilitator/examiner:

- | | |
|---|--------------------|
| All In-course exams (MCQ/eLoops) (4 hours each x 3 rotations) | 12 hours per annum |
| Final exam (MCQ/eLoops/ OSCE) | 14 hours per annum |
| Correction of repeat exams | 2 hours |

Phase II:

- | | |
|--|--------|
| Lecture-1: Fertilization and Implantation. | 1 hour |
|--|--------|

Total contact hours

109 hours per annum

6.2 Postgraduate teaching

Alexander E. Omu

- | | |
|--|--------------------|
| 1. Supervision of candidates from Kuwait, preparing for the MRCOG and Kuwait Board of Obstetrics and Gynaecology. | 30 hours per annum |
| 2. Daily supervision of the medical/resident doctors, grand round teaching, one theatre session per week and management of a busy labour unit with about 40 deliveries/day, once a week and in a 1 in 5 call duty system, including weekends and national Public Holidays. | 72 hours per annum |
| 3. Morning hand-over meetings | 30 hours per annum |

Total contact hours

132 hours per annum

Eyad Al-Saleh

Lectures:

- | |
|---|
| 1. Contribution to Residency programme in Kuwait Board of Obstetrics and Gynaecology. |
|---|

Majedah K. Al-Azemi

Lectures/Seminars/Clinics/Beside Teaching/Grand Rounds:

1. Director, Kuwait Board of Obstetrics and Gynaecology Programme
2. Involvement of teaching of Kuwait Board candidates

Examination:

- Actively involved in the programme
- Supervision of postgraduate trainees
- Practical preparation of residents for clinical examination and final examination
- Preparing question papers
- Conducting examinations

Rachana Chibber

1. Conducting and active participation in sessions for Residents preparing for post graduate examinations in various countries.
2. Imparting bedside clinical training in the residents and preparing them for their Examination.

Total lectures/ Training/ Contact hours (Seminars) : 80 hours per annum

Total Teaching hours 80 hours per annum

Dr. Jehad Al-Harmi

- | | |
|--------------------------------|----------|
| 1. Renal diseases in pregnancy | 1 hour |
| 2. Journal club | 1 hour |
| 3. Preparation for mock exam | 20 hours |

Dr. Waleed Al-Jassar

Chairman, Faculty of Obstetrics and Gynaecology , KIMS, Kuwait.

1. Contribution to Residency programme in Kuwait Board of Obstetrics and Gynaecology as a direct teaching in hospital and seminars.

Examination:

- Supervision of postgraduate trainees in operation theatres
- Practical preparation of residents for clinical examinations and final examinations

- Preparation, invigilation & correction of examinations

Baydaa Al-Sannan

Lectures/Seminars/Clinics/Beside/Teaching/Grand Rounds:

Contribution in clinical teaching for the Kuwaiti Board resident of Obstetrics & Gynecology at the clinic's, OR's and grand rounds.

AbdulRahman Al-Serri

Post graduate teaching (Kuwaiti board of ObGyn residency program)

- | | |
|---|-----------|
| 1. Hyperandrogenism and PCOS | 1 hour |
| 2. Amenorrhea and Premature ovarian failure | 2 hours |
| 3. OSCE training/Small group teaching | 24 hours |
| 4. Clinical/surgical teaching (3 hours per week x 44 weeks) | 132 hours |

Total contact hours per annum: 159 hours

1. OTHER FACULTIES - Nil
2. STUDENT ADVISORS – Advisor for CV preparation./ on student staff committee

7.0 RESEARCH AND PUBLICATIONS

7.1 Research:

Alexander E. Omu

. Proposal for funding

1. The role of Kisspeplin on pregnancy outcome.

. Projects as Principal investigator – unfunded research

1. Anti-Mullerian Hormone: A biomarker of male sex development and Ovarian reserve
2. Implications of Altered Cytokine Network on Seminal plasma.
3. Changing Trend on conservative surgical management of ovarian torsion
4. The Role of Oxidative Stress and butyrylcholinesterase on the pathogenesis of Gestational Diabetes Mellitus (GDM) and seminal parameters
5. Mini Cex for the clinical evaluation of students in posting

6. Management of preterm labour with Atosiban
7. Significance of Oxytocin receptors in Pregnancy

Eyad Al-Saleh

1. Nandakumaran M, Al-Sannan B, Chibber R, Al-Dossary M, Alshammari M, **Al-Saleh E.** Transport of some essential trace elements across the human placenta in diabetic pregnancies in late gestation. Project Duration: 36 Months. Start of Project: 1st October 2011. Funds Approved: 78050 K.D. (SEVENTY-EIGHT THOUSAND AND FIFTY KUWAITI DINARS) **End of Project : 30 November, 2016.**
Evaluation Report : EXCELLENT

Majedah K. Al-Azemi

Ongoing Project No. MO 01/16

1. Follicular fluid concentration of vascular endothelial growth factor, Inhibin A and Inhibin B in IVF cycles: Are they markers for Ovarian response and pregnancy outcome?
Principal Investigator: Prof. Majedah K. Al-Azemi
Contributor 1: Doctor Mohammed Hatem Al-Husseiny
Contributor 2: Susan George
Total Budget of Project: KD 4000/-
Project starting date: March 24, 2017
Project ending date: March 24, 2018
Project Research Productivity:

Conference paper submitted and accepted for oral presentation for the 24th Annual International Conference on New Trends and Developments in Women's Reproductive Health conducted by the Egyptian Fertility and Sterility Society on 29-30 November, 2018.

Nandakumaran Moorkath

Research projects:

1. **Nandakumaran M,** Al-Sannan B, Chibber R, Al-Dossary M, Alshammari M, Al-Saleh E. Transport of some essential trace elements across the human placenta in diabetic pregnancies in late gestation. Project Duration: 36 Months. Start of Project: 1st October 2011. Funds Approved: 78050 K.D. (SEVENTY-EIGHT THOUSAND AND FIFTY KUWAITI DINARS) **End of Project : 30 November, 2016.**

Evaluation Report : EXCELLENT

Research project in preparation:

1. **Title:** Effect of oral administration of coconut oil and olive oil on hematologic&metabolic parameters in normal and diabetic male and female rats
Investigators : Moorkath Nandakumaran, et al Project Duration 2 Years ; Grant Amount to be Requested : 48000 K.D. Proposed Starting Date 31st March , 2020 (Subject to approval & funding).

Majed Al-Shammari

Research projects:

1. Nandakumaran M, Al-Sannan B, Chibber R, Al-Dossary M, **Alshammari M**, Al-Saleh E. Transport of some essential trace elements across the human placenta in diabetic pregnancies in late gestation. Project Duration: 36 Months. Start of Project: 1st October 2011. Funds Approved: 78050 K.D. (SEVENTY-EIGHT THOUSAND AND FIFTY KUWAITI DINARS) **End of Project : 30 November, 2016.**

Evaluation Report : EXCELLENT

Rachana Chibber

Contribution to Research

1. Ongoing Project/Projects under preparation

- i. Confidential enquiries into Maternal Deaths in Kuwait: Going beyond figures.
- ii. Vaginal birth after cesarean section in the grand multipara with a previous lower segment scar.
- iii. Induction of labor in grand multiparous women and previous cesarean section: Is it safe?
- iv. High order gestation: Triplet and beyond: A growing concern

Jehad Al-Harmi

On-going projects:

1. Maternal and fetal/neonatal outcomes in pregnancy complicated by diabetes
2. Use of oral hypoglycemic agents in pregnant patients with type II diabetes
3. The impact of obesity on pregnancy outcome
4. Vitamin D deficiency in pregnant women
5. Patient profile in patients with secondary postpartum hemorrhage

6. Patient profile in VBAC in Adan Hospital
7. The effect of Miswak on human endometrium
8. Prevalance of GDM in Kuwait (Dasman Diabetes Institution)

Baydaa Al-Sannan

1. 1. Research in preparation (Ongoing project)

Title: Effects of Intraperitoneal administration of pentosan polysulphate on hematalologic, metabolic parameters and antioxidant enzyme status in normal, pregnant and experimentally- induced diabetic rats.

Investigators: **Baydaa Al-Sannan**, Moorkath Nandakumaran, Jehad Al-Harmi, Alexander Omu.

Project Duration 2-3 years; Grant Amount to be requested: 42000 KD. Proposed starting Date 1st January or 1st April, 2019 (Subject to approval and funding).

2. Research in preparation (Ongoing Project)

Title: Pilot study on the prevalence of *Toxoplasma gondii* in some aborted women and household cats.

Investigators: Adawia Henedi, Baydaa Alsannan, Fawzi Able, Ghadeer Akbar, Osama Alazazy, Attia Sami, Khoshy Varghese

Project Duration 1 year, source of Fund: Public authority of agriculture affairs and fish Resources, Ethical approval from MOH. Started March 2018

3. Completed Project

(KFAS) Research Project # 2010-1302-03

Nandakumaran M, **Al-Sannan B**, Chibber R, Al-Dossery M, , Al-Shammary M, and Al-Saleh E.

Duration of Project: 36 months. Budget Requested: 78050 KD.

Start Date: 1 Oct., 2011; End of Project: 30 November, 2015. Project Successfully Completed

Title: Transport of some essential trace elements across the human placenta in diabetic pregnancies in late gestation.

AbdulRahman Al-Serri

1. Ongoing research projects:

In affiliation with McGill University:

1. Timing of embryo transfer in natural-cycle frozen-thawed embryo transfer.
2. RCT: IUI catheter prewash.

3. Progesterone start in frozen-thawed embryo transfer cycles.
In affiliation with Ministry of Health (MOH) and Kuwait University
4. **Seven** projects with Ethical approval.

7.2 Publications:

Alexander E. Omu

1. **Omu AE, Omu FE.** Effect of smoking on Cytokine Network. Published in proceedings of 72nd Tobacco Science Conference

Papers under preparation

1. **Omu AE** , Al-Azemi MK, Omu FE, George S , Pariyani S , Nair A, Muawad W
Association between Oxidative Stress and Butyrylcholinesterase Activity in Human semen
2. **Omu AE** A historical cross-over management of hyperprolactinemia with bromocriptine and Cabergoline
3. **Omu AE** Modulation of Apoptosis of Testicular cell sub-population by trace elements- Zn, Se, Cu, Cd and Magnesium

Eyad Al-Saleh

- 1) Moorkath Nandakumaran, Shankar Bhat, Majed Al-Shammari, **Eyad Al-Saleh**
Induction of Diabetes Mellitus alters Distribution of Some Essential Trace Elements and Anti-Oxidant Enzyme Status in Female Adult Rats. J.Bionnov. 6, 132-143, 2017
- 2) Nandakumaran M., Foda M, **Al-Saleh E.** Maternal-Fetal Transport Kinetics of O-methyl Glucose in Diabetic Model Perfused Human Placenta: In Vitro Study. Journal of Diabetes Research & Therapy 2019 (In Press)
- 3) **Nandakumaran M.**, Foda M, Al-Shammari M, **Al-Saleh E.** Maternal-Fetal Transport Kinetics of Arachidonic Acid in Insulin-Dependent Diabetic Pregnancies in Vitro Journal of Global Diabetes & Clinical Metabolism, 2019 (In Press)
- 4) Al-Sannan B, Al-Harmi J. Nandakumaran M. Foda M, **Al-Saleh E.** Assessment of Pregnancy Outcome in Diabetic Obstetric Population in Kuwait Tertiary Hospital. Int J. Scient. Res 8, 322-325, 2019

Majedah K. Al-Azemi

1. Omu AE, **Al-Azemi MK**, Omu FE, Al-Harmi J, Diejomaoh FME. Attitudes of academic staff and students towards the objective structured clinical examination (OSCE) in Obstetrics and Gynaecology Creative Education 2016.
2. Omu A E, **Al-Azemi M K**, Omu F E, Mohammed AT, George S. Genital Operations and Male Infertility: Is Inguinal hernia a component of Testicular Dysgenesis Syndrome? Journal of Genital System & Disorders. 2016
Papers under preparation
3. Omu AE, **Al-Azemi MK**, Al-Jassar WF, Omu FE, George S, Mohammed TS
The implications of altered cytokine network in seminal plasma.
4. Proinflammatory and anti-inflammatory cytokines in fetal growth retardation. Clin and Exp Obstetrics & Gynaecology 2016; 48:98-103.

Papers under preparation

1. Omu AE, **Al-Azemi MK**, Al-Jassar WF, Omu FE, George S, Mohammed TS
The implications of altered cytokine network in seminal plasma.
2. Omu AE , **Al-Azemi MK**, Omu FE, George S , Pariyani S , Nair A, Muawad W
Association between Oxidative Stress and Butyrylcholinesterase Activity in Human semen
3. Omu AE , **Al-Azemi MK**, Omu FE, George S , Pariyani S , Nair A, Muawad W
Association between Oxidative Stress and Butyrylcholinesterase Activity in Human Semen.

Nandakumaran Moorkath

- 1) **Moorkath Nandakumaran**, Shankar Bhat, Majed Al-Shammari, Eyad Al-Saleh
Induction of Diabetes Mellitus alters Distribution of Some Essential Trace Elements and Anti-Oxidant Enzyme Status in Female Adult Rats. J.Bionnov. 6, 132-143, 2017
- 2) **Nandakumaran M.**, Foda M, Al-Saleh E. Maternal-Fetal Transport Kinetics of O-methyl Glucose in Diabetic Model Perfused Human Placenta: In Vitro Study. Journal of Diabetes Research & Therapy 2019 (In Press)
- 3) **Nandakumaran M.**, Foda M, Al-Shammari M, Al-Saleh E. Maternal-Fetal Transport Kinetics of Arachidonic Acid in Insulin-Dependent Diabetic Pregnancies in Vitro Journal of Global Diabetes & Clinical Metabolism, 2019 (In Press)
- 4) Al-Sannan B, **Nandakumaran M.**, Al-Harmi J, Al-Shammari M, Foda M. Transport Kinetics of Chromium in Perfused Human Placental Lobule in Late Gestation: In Vitro study J. Mat-Fet Neonat Med. Doi: 10. 1080/14767058.2018.1454425, 2018

- 5) Al-Sannan B, Al-Harmi J. **Nandakumaran M.** Foda M, Al-Saleh E. Assessment of Pregnancy Outcome in Diabetic Obstetric Population in Kuwait Tertiary Hospital. Int J. Scient. Res 8, 322-325, 2019

Research Articles in Press & In Preparation

1. Effect of Hyperglycemic Load on Maternal-fetal transport kinetics of chromium in „“Diabetic Model „“perfused human placenta in vitro; (**Nandakumaran M**, et. al, To be submitted soon to Placenta (2019)
2. Effect of Hyperglycemic Load on Maternal-fetal transport kinetics of chromium in „“Diabetic Model „“perfused human placenta in vitro; (**Nandakumaran M**, et. al, To be submitted soon to American Journal of Obstetrics& Gynecology (2019)

Majed Al-Shammari:

- 1) Moorkath Nandakumaran, Shankar Bhat, **Majed Al-Shammari**, Eyad Al-Saleh Induction of Diabetes Mellitus alters Distribution of Some Essential Trace Elements and Anti-Oxidant Enzyme Status in Female Adult Rats. J.Bionnov. 6, 132-143, 2017
- 2) Nandakumaran M., Foda M, **Al-Shammari M**, Al-Saleh E. Maternal-Fetal Transport Kinetics of Arachidonic Acid in Insulin-Dependent Diabetic Pregnancies in Vitro Journal of Global Diabetes & Clinical Metabolism, 2019 (In Press)
- 3) Al-Sannan B, Nandakumaran M., Al-Harmi J, **Al-Shammari M**, Foda M. Transport Kinetics of Chromium in Perfused Human Placental Lobule in Late Gestation: In Vitro study J. Mat-Fet Neonat Med. Doi: 10. 1080/14767058.2018.1454425, 2018

Rachana Chibber:

1. **Chibber R**^{1,2}, Al-Hijji J², Amen A², Fouda M², Kaleemullah ZM², El-Saleh E¹, Mohammed AT¹. Maternal and perinatal outcome of eclampsia over a decade at a tertiary hospital in Kuwait. J Matern Fetal Neonatal Med. 2015 Nov 30;1-6. [Epub ahead of print]
2. **Chibber R**, Al-Harmi J, Foda M, Mohammed K Z, Al-Saleh E. Induction of labor in grand multiparous women with previous cesarean delivery: How safe is this? J Matern Fetal Neonatal Med, 2015; 28(3): 366–370
3. Chhabra N, Gupta A, Chibber R, Minhaj M, Hofer J, Mueller A, Tung A, O'Connor M, Scavone B, Rana S, Shahul S.

Outcomes and mortality and parturient and non-parturient patients with peripartum cardiomyopathy: A national readmission database study.

Dr. Waleed Al-Jassar

1. de Sanjosé S¹, Alemany L, Ordi J, Tous S, Alejo M, Bigby SM, Joura EA, Maldonado P, Laco J, Bravo IG, Vidal A, Guimerà N, Cross P, Wain GV, Petry KU, Mariani L, Bergeron C, Mandys V, Sica AR, Félix A, Usubutun A, Seoud M, Hernández-Suárez G, Nowakowski AM, Wilson G, Dalstein V, Hampl M, Kasamatsu ES, Lombardi LE, Tinoco L, Alvarado-Cabrero I, Perrotta M, Bhatla N, Agorastos T, Lynch CF, Goodman MT, Shin HR, Viarheichyk H, Jach R, Cruz MO, Velasco J, Molina C, Bornstein J, Ferrera A, Domingo EJ, Chou CY, Banjo AF, Castellsagué X, Pawlita M, Lloveras B, Quint WG, Muñoz N, Bosch FX; HPV VVAP study group.

Collaborators (183)

Perrotta M, Jaen A, Garland SM, Tabrizi SN, Wain GV, Kennedy CJ, Chiew YE, Sharma R, Joura EA, Stani J, Horvat R, Nessa A, Nahar Rahman AJ, Kamal M, Ahmed F, Viarheichyk H, Valeriy S, Searhei A, Iljazovic E, Maldonado P, Almeida GL, Val I, Fonseca R, Lima RJ, Mannarino M, Furtado Y, Prado R, Molina C, Muños R, Rodriguez X, Guerrero M, Leiva V, Olave E, Ramis C, Toro V, Murillo R, Hernández Suárez GA, Pinzón CE, Muñoz N, Mandys V, Laco J, Tinoco L, Clavel C, Birembaut P, Dalstein V, Bergeron C, Tommasino M, Hampl M, Baldus, Petry KU, Pawlita M, Halec G, Holzinger D, Agorastos T, Lombardi LE, Kestler E, Salic O, Marroquin S, Argueta V, Guerra W, Morales H, Ferrera A, Henríquez O, Portillo S, Bhatla N, Bornstein J, Livoff A, Cohen HI, Mariani L, Vocaturo A, Benevolo M, Marandino F, Rollo F, Shin HR, Oh JK, Kang SG, Kim DC, **Al-Jassar W**, Al-Safi R, Seoud M, Kamate B, Ndiaye C, Alvarado-Cabrero I, López-Revilla R, Magaña-León C, Oros C, Carrilho C, Bigby SM, Eva LJ, Jones RW, Banjo AA, Abdulkareem FB, Daramola AO, Anunobi CC, Anorlu RU, Malami S, Umar AB, Kasamatsu E, Cubilla AL, Perrota F, Llave CL, Toral JA, Domingo EJ, Germar MJ, Thaddeus J, Luna P, Fernandez AM, Castro CZ, Balacuit R, Nowakowski AM, Jach R, Orlowska-Heitzman J, Kabzinska-Turek M, Przybylska P, kula-Prykan M, Cruz E, Gentil F, Félix A, Ndiaye C, Ndiaye Ba N, Mendes V, Alejo M, Lloveras B, Alemany L, Bosch F, Bravo I, Camón V, Castellsagué X, Clavero O, de Sanjosé S, Espuña I, Esteban A, Godínez JM, Florencia Y, Klaustermeier J, Muñoz N, Patón N, Quirós B, Saunier M, Rajo C, Tous S, Vergara M, Vidal A, Condom E, Ordi J, Velasco J, Pérez C, Cheng-Yang C, Chu TY, Huang KF, Wen-Fang C, Ho CM, Quint W, Molijn AC, Geraets DT, Guimera N, Meijer CJ, Usubutun A, Kitchener H, Wilson G, Cross P, Sica AR, Caserta B, Cedeira M, Mazal D, Rodríguez G, Cozen W, Goodman MT, Hernández BY, Lynch CF, Olson DB, Selk FR, Barriola VG, de Gómez MN, Figueredo A, Navarro J, Meijer CJ, Tommasino M, Pawlita M, Ordi J, Quint W, Alejo M, Muñoz N.

Worldwide human papillomavirus genotype attribution in over 2000 cases of intraepithelial and invasive lesions of the vulva. *Eur J Cancer*. 2013 Nov;49(16):3450-61. doi: 10.1016/j.ejca.2013.06.033. Epub 2013 Jul 22.

2. Diejomaoh MF, Bello Z, **Al-Jassar W**, Jirous J, Karunakaran K, Mohammed AT. Consecutive successful pregnancies subsequent to intravenous immunoglobulin therapy in a woman with recurrent spontaneous miscarriage. *Int. Med Case Rep J.* 2015; 8: 337-44.
3. Diejomaoh MFE, **Al-Jassar W**, Bello Z, Karunakaran K, Mohammed AT. The significance of the second cesarean section in the reduction of institutional cesarean section delivery rates. *Obstet Gynecol* 2015; 125: 15S
4. de Sanjose S¹, Quint WG, Alemany L, Geraets DT, Klaustermeier JE, Lloveras B, Tous S, Felix A, Bravo LE, Shin HR, Vallejos CS, de Ruiz PA, Lima MA, Guimera N, Clavero O, Alejo M, Llombart-Bosch A, Cheng-Yang C, Tatti SA, Kasamatsu E, Iljazovic E, Odida M, Prado R, Seoud M, Grce M, Usubutun A, Jain A, Suarez GA, Lombardi LE, Banjo A, Menéndez C, Domingo EJ, Velasco J, Nessa A, Chichareon SC, Qiao YL, Lerma E, Garland SM, Sasagawa T, Ferrera A, Hammouda D, Mariani L, Pelayo A, Steiner I, Oliva E, Meijer CJ, **Al-Jassar WF**, Cruz E, Wright TC, Puras A, Llave CL, Tzardi M, Agorastos T, Garcia-Barriola V, Clavel C, Ordi J, Andújar M, Castellsagué X, Sánchez GI, Nowakowski AM, Bornstein J, Muñoz N, Bosch FX; Retrospective International Survey and HPV Time Trends Study Group. Human papillomavirus genotype attribution in invasive cervical cancer: a retrospective cross-sectional worldwide study. *Lancet Oncol.* 2010 Nov;11(11):1048-56. doi: 10.1016/S1470-2045(10)70230-8. Epub 2010 Oct 15.

Baydaa Al-Sannan

Publications

1. Adawia Abdul-ruhman Henedi, Sulaiman Salisu, Abdullah Asem, **Baydaa Alsannan**: Factors Associated with the Prevalence of head lice among children in kindergarten and primary Schools in Kuwait, *International Journal of Applied and Natural Sciences(IJANS)*, April 2019
2. **Baydaa F Alsannan**, Ghadeer S Akbar, Anthony P Cheung, Comparison of hysterosalpingography and hysteroscopy in evaluating the uterine cavity in infertile women, *MOJ Women's Health*, Volume 8(I), Pages 46-49, January-2019.
3. **Baydaa AlSannan**, Jehad Al-Harmi, Moorkath Nandakumaran, Mohammed Foda, Eyad Al-Saleh, Assessment of pregnancy outcome in diabetic obstetric population in Kuwait tertiary hospital, *International Journal of Scientific Research*, Volume-8, issue-1, ISSN No 2277-8179, Pages 322-325, January-2019.

4. **B. Al-Sannan**, M. Nandakumaran, J. Al-Harmi, M. Al-Shammari, M. Foda, Transport kinetics of chromium in perfused human placental lobule in late gestation: in vitro study, The Journal of Maternal-Fetal & Neonatal Medicine, Published online 5 April 2018, :1-7. doi: 10.1080/14767058.2018.1454425.
5. **Baydaa Al Sannan**, Queena Chou, Oral Pentosan Sulfate/ Intra-Vesicle Chondroitin Sulfate Treatment for Interstitial Cystitis, MOJ Women's Health Journal, Volume 4, Issue 5, March-2017.
6. Moorkath Nandakumaran, Majed Al-Shammari, **Baydaa Al-Sannan**, Anju R Nair, Eyad Al-Saleh, Oral Loading of Coconut Oil Does Not Raise Homocysteine and Total Cholesterol and Other Metabolic and Hematological Parameters in Adult Female Rates. International Journal of Scientific Research, Volume 5, Issue 1, ISSN No 2277-8179, Pages 267-270. January-2016.
7. Moorkath Nandakumaran, **Baydaa Al-Sannan**, Susan George, Anju R Nair, Asiya Mohammed, Sesame Oil Administration Does Not Alter Hematologic and Metabolic Parameters in Female Rats. Journal of Bio Innovation, Vol 4(3), Pages 108-118, May 2015.
8. Moorkath Nandakumaran, **Baydaa Al-Sannan**, Hameed Al-Sarraf, Majed Al-Shammari, Maternal- Fetal Transport Kinetics of manganese in perfused human placental lobule in vitro, The Journal of Maternal-Fetal Neonatal Medicine, volume 29, Issue 2, Pages 274-278, 2016.
9. Moorkath Nandakumaran, **Baydaa Al-Sannan**, Mariam Al-Dosarry, Majed Al-Shammari, Effect of Olive Oil Administration on Certain Hematologic and Metabolic Parameters in Pregnant Rats. International journal of Pure & Applied Bioscience, volume 2(4), Pages 93-99, ISSN: 2320-7051, 2014.

Abdulrahman Al-Serri

- Co-author Poster conference 2019. "Accuracy and appropriateness of social media content in five medical specialties.

8.0 CONTRIBUTIONS TO COMMUNITY SERVICE

Alexander E. Omu

8.1 Participation in Ministry/government activities

- | | | |
|--------|-----|-----------------------------|
| Member | i) | Departmental Council |
| | ii) | Committee of Heads of Units |

- iii) Adhoc Investigative Panels

8.2 Membership of Committees in Faculty of Medicine

1. Member, Faculty Council
2. Member, several Adhoc Promotion Review Committees, Faculty of Medicine.
3. Member, Curriculum Assessments and Admission Committee
4. Member, Promotion Committee, Faculty of Allied Health, Health Sciences Center

8.3 Departmental

1. Chairman, Dept. Of Obstetrics and Gynaecology (March 4, 2014 till Date)
2. Phase 3 curriculum Committee
3. Undergraduate Examination Committee
4. Phase 2 curriculum Committee
5. Chairman, Scholarship Committee
6. Chairman, Promotion and appointment committee

8.4 Clinical Services for Ministry of Public Health, Kuwait

1. Head of Unit III Maternity Hospital, Kuwait
2. Two clinics per week at Maternity Hospital
 - i. Outpatient clinic in Obstetrics and Gynaecology
 - ii Combined-Infertility Clinic (Andrology Consultation)

9. Reviewer to International Journals

1. Kuwait Medical Journal (KMJ)
2. Medical Principles and Practice (MPP)
3. Archives Gynec and Obstet
4. Eur J Obs Gynec and RB
5. Saudi J of Medical Sciences
6. J. Obstetrics and Gynaecology
7. Journal of Nutrition and Metabolism

10. Scientific Conferences Attended and Presentations

- 1 72nd Tobacco Science Conference, September 16-19, 2018, Memphis USA, Presented a paper titled: Effect of Smoking on Cytokine Network

2. **23rd Poster Conference March 13-15, 2019 Health Science Center, Kuwait University.** I presented Four Posters.
 - i. Significance of Oxytocin receptors in Pregnancy. Omu AE, Al-Qahtani J.S, Malalla Y, Mohammed A., George S, Pariyani S, Nair A.
 - ii. Tractocile in the management of Preterm Labour in Kuwait. Behbehani A, Al-Malalla Y, Omu AE.
 - iii. Bioinflammatory markers in gestational diabetes mellitus (GDM). Omu AE, George S, Pariyani S, Nair A, Mohammed A.
 - iv. Determinants of Caesarean Section in Kuwait. Al-Babtain AA, Al-Yahya A, Al-Qahtani J, Mohammed A, Omu AE
3. Update in Clinical Microbiology and Clinical Diseases. April 7-9, 2019, Faculty of Medicine, Kuwait University, Kuwait.
4. Breast Cancer and Women's health Conference. July 3-6 London, UK.

Eyad Al-Saleh

Participation in Ministry/government activities

1. President, Kuwait Society of Obstetrics and Gynaecology from 1999 till date.
2. Consultant, Obstetrics and Gynaecology Department, Adan Hospital, Ministry of Health, Kuwait 1999 till date.
3. Consultant, Gynaecological Oncologist, Kuwait Cancer Center, 1999 till date.
4. Professor, Obstetrics and Gynaecology Department, Faculty of Medicine, from 2009.
5. Vice-Dean for Research, Faculty of Medicine from Feb. 2003 - August 2007.
6. Chairman, Dept. of Obstetrics and Gynaecology from Jan. 2006 for two years.
7. Member- Gynaecology and Obstetric Council, Ministry of Public Health , 2006.

Chairmanship/Membership in Faculty/Univ. Committees

1. Examination Committee member
2. Phase III Curriculum Committee member
3. Departmental Appointment and Promotion Committee member

4. Departmental Scholarship Committee – Member
5. Post Graduate Committee – Member
6. Department Safety Committee – Member
7. Department Space Committee – Member
8. Department Student Grievances Committee

Membership in Scientific Societies

1. Society of Obstetricians and Gynaecologists of Canada
2. American College of Obstetricians and Gynaecologists
3. Society of Canadian Colposcopists
4. Society of Advanced Endoscopic Surgery – France
5. DA Boyes Society of Gynaecological Oncology of British Columbia – Canada
6. Society of Gynaecological Oncologist of Canada- first member from the Arabian Gulf and the Middle East to join this society.
7. Kuwait Medical Association.

Conferences Attended

ECCMID Conference – Copenhagen April 25-28, 2015

Health Sciences Centre Poster Conference

1. Nandakumaran M, Foda M, George S, Nair AR, **Al-Saleh E**, Al-Shammari M Effect of hyperglycemia on maternal-fetal transport of arachidonic acid in ‘Diabetic Model’ placental lobule. Health Sciences Centre Poster Conference, 2-4 May 2016, Kuwait. .
2. Nandakumaran M, Al-Shammari M, George S, Nair AR, **Saleh E**. Maternal-Fetal Transport of Arachidonic Acid in Pre-eclampsia Blood Flow ModEL Placental Lobule: In Vitro Study . Health Sciences Centre Poster Conference, 10-12 March, 2019, Kuwait.

Majedah K. Al-Azemi

a. Membership of the following committees:

Faculty of Medicine

1. Member MRC Committee, Faculty of Medicine
2. Phase II Coordinator for Renal Reproductive module 2009 till date
3. Member, Department's Promotion and Appointment committee
4. Member, Departmental Examination Committee
5. Member, Departmental Scholarship Committee
5. Chairperson, Department Postgraduate Committee

Ministry

1. Member Kuwait Institute of Medical Specialisation (KIMS)
2. Director, Kuwait Board of Obstetrics and Gynaecology
3. Maternity Hospital
 - a. Antenatal Clinic, Recurrent abortion clinic, and infertility clinic
 - b. Member of the following committees at Maternity Hospital
 1. Scientific Committee
 2. Drugs and instruments committee
 3. Emergency committee

International

1. Member of Royal College of Obstetricians and Gynaecologists (RCOG)

International Conference attended

1. Gynaecological Surgery Course – Practical Laparoscopic Anatomy for Advanced Gynaecological Techniques. Strasbourg, France. 16-18 April 2018.
2. Benign Abdominal Surgery Hands on Practical Course on Laparoscopic Psycometer Skills and Energy Modalities Joint RCOG/BSGE Meeting. London, UK. 17-19 September, 2018.

Health Sciences Poster Conference

1. Saeed BA, Behbehani A, Abduellahi M, **Al-Azemi M**, Omu A E. Mayer-Rokitansky-Kuster-Hauser (MRKH) Syndrome
2. Omu AE, **Al-Azemi MK**, Al-Jassar WF, Mohammed TA, George S and Monem R. Antimullerian Hormone is a marker of Spermatogenesis but not Sperm quality

Reviewer to Journals

1. Lancet
2. Fertility & Sterility
3. Expert review of Obstetrics & Gynecology
4. Biochemistry, Molecular Biology and Biophysics
5. Kuwait Medical Journal

Nandakumaran Moorkath

a. Participation in Ministry/Government activities

Faculty of Medicine

Departmental level

1. Department Research Co-ordinator
September 2003 and from September 2008 till date
2. Member, Departmental Research and Equipment Committee since March 2004 till date
3. Member, Phase III Examination Committee
4. Member, Phase II Curriculum Committee
5. Member, Postgraduate committee of the department
6. Member, Departmental Safety Committee
7. Member, Departmental Space Committee

Membership in Professional Scientific Societies

1. Member by special invitation, American Diabetes Association, USA since April, 2005.
2. Member by Special Invitation to American Chemical Society, Washington DC, USA, since September, 2010.
3. Member, European Association of Toxicology (EUROTOX), Paris, France since year 2002.
4. Member, Organizing Committee by special Invitation, 18th European Diabetes Congress, 17, 18 July, 2017, Lisbon, Portugal.
5. Member by Invitation, Organizing Committee & For Invited Lecture, 5th International Congress of Gynaecology and Obstetrics China-2017, Taiwan, Nov 1-3, 2017, China

International Conferences attended as Invited Speaker

1. **Nandakumaran M.** Maternal-Fetal Transport Kinetics of 3-O-Methyl Glucose in Diabetic Model“ perfused human placenta : In Vitro Study (Invited Lecture) 18th European Diabetic Congress, July 17-18, 2017, Lisbon, Portugal.
2. **Nandakumaran M.** Maternal-Fetal Transport Kinetics of Arachidonic Acid in Placentae from insulin-dependent Diabetic Pregnancie : In Vitro Study (Invited Lecture) Gobal Congress in Medical & Clinical Case Reports, Diabetic Congress, July 16-17, 2018, BangKok, Thailand
3. **Nandakumaran M.** Maternal-Fetal Transport Kinetics Of Chromium and Vanadium in Vitro in Obese Human Diabetic Pregnancies (Invited Lecture) Wordl Congress on Obesity , July 22-23, 2019. KualaLampur, Malaysia

Poster Presentations at Health Science Center Poster Conference

1. **Nandakumaran M,** Foda M, George S, Nair AR, Al-Saleh E, Al-Shammari M Effect of hyperglycemia on maternal-fetal transport of arachidonic acid in ‘Diabetic Model’ placental lobule. Health Sciences Centre Poster Conference, 2-4 May 2016, Kuwait.
2. **Nandakumaran M,** Foda M, George S, Nair AR Transport kinetics of de-oxy glucose in gestational diabetic pregancies: in-vitro study . Health Sciences Centre Poster Conference, 7-9 March, 2017, Kuwait.
3. **Nandakumaran M, Al-Shammari M,** George S, Nair AR, Saleh E. Maternal-Fetal Transport of Arachidonic Acid in Pre-eclampsia Blood Flow ModEL Placental Lobule: In Vitro Study . Health Sciences Centre Poster Conference, 10-12 March, 2019, Kuwait.

Majed Al-Shammari

a. Participation in Ministry/Government activities

Faculty of Medicine

1. Member of the Department of Obstetrics and Gynaecology Research Committee
2. Member of the Department of Obstetrics and Gynaecology Phase III Curriculum Committee
3. Member of the Department Equipment Committee
4. Member of the Department Examination Committee
5. Member of the Department Promotion and Appointment Committee.
6. Member of the Department Scholarship Committee
7. Member of the Department Space Committee
8. Member of the Department Postgraduate Committee

Ministry

1. Consultant, Maternity Hospital, Kuwait, Unit 3.
2. Special Maternal-Fetal Medicine Clinics, Maternity Hospital, Twice weekly.

Membership of committees outside Faculty

1. Faculty of Obstetrics and Gynaecology, KIMS.
2. Member of the Scientific Committee, Maternity Hospital.
3. Maternity Hospital (clinical duties).
 - i. Consultant, Obstetrics and Gynaecology Unit III/V
 - ii. Maternal and Fetal Medicine subspecialty clinic on Sundays and Mondays, receive referrals of complicated pregnancies from all over Kuwait.

Rachana Chibber

Participation in Ministry / Activities:

- i. Senior Consultant, Obstetrics and Gynaecology Department, Adan Hospital, Ministry of Kuwait till date.
- ii. Associate professor, Obstetrics and Gynaecology department, Faculty of Medicine continued from December 2008 till date.
- iii. Obstetrics and Gynaecology clinics etc. at Adan Tertiary Hospital

Faculty of Medicine

1. Medical Student Advisor- O& G
2. Member, 19th Health Science Centre Poster conference May 2014 Kuwait

Departmental Committees

1. Departmental Safety Committee
2. Departmental Space Committee
3. Department Research Committee
4. Phase III Curriculum Committee - Chairperson
5. Postgraduate Committee
6. Secretary, Department Council Meetings
7. Departmental Examination Committee
8. Departmental Scholarship Committee
9. Departmental Promotion Committee/Renewal of Contract
9. Students and Hospital Affairs Co-ordinator at Adan Hospital

Membership in Scientific Societies

1. Royal college of Obstetricians and Gynaecologists (UK)
2. Indian College of Obstetricians and Gynaecologists

Scientific Conferences attended:

1. 24th Annual Conference on Challenges in Gynecology, New York, USA. December 14-15, 2018

Jehad Al-Harmi**Participation in Ministry/government activities****a. Faculty of Medicine**

1. Assistant Professor, Dept. of Obstetrics and Gynecology at the Faculty of Medicine, Kuwait University.
2. Membership & participation in:
 - Departmental Council
 - Examination Committee
 - Phase III curriculum committee
 - Phase II curriculum committee
 - Phase III examination committee
 - Departmental Scholarship Committee
 - Departmental Research Committee
 - Faculty Library Committee
 - PBL facilitators' team
 - Module coordinator for the Reproductive /Breast module

- Member in academic accreditation steering committee
 - Head of task team on standard one in academic accreditation
3. Expert witness in 5 court cases
 4. Referee for Principles and Practice of Medicine Journal
 5. Participation in seminars, workshops, and conferences

Participation In Ministry Of Health Activities:

a. Ministry of Health

1. Member of the Committee for Revision of National Accreditation Standards
2. Member of the national committee for the protection of children's rights
3. Focused survey in Sabah Hospital

Membership in Scientific Societies

1. Member of the Kuwait Medical Association since 1988
2. Fellow of the Society of Obstetricians and Gynecologists of Canada since 1993
3. Fellow of the Royal College of Physicians and Surgeons in Canada since 1997
4. Fellow of the American College of Obstetricians and Gynecologists of America since 2005

Scientific Activities

1. QIP and KIP in healthcare organizations workshop (May 2019, Kuwait)
2. Presented KFAS and KSOG workshop on „principles and practice of intrapartum fetal surveillance“ (October 2018, Kuwait)
3. Essential skills in perinatal mental health for maternity staff workshop (November 2018, Kuwait)
4. Sterilization, disinfection, reprocessing, and safe healthcare waste management workshop (November 2018, Kuwait)
5. Presented perineal repair workshop (December 2018, Kuwait)
6. Twenty third annual Kuwait obstetrics and gynecology conference (February 2019, Kuwait). Presented „reducing the rate of primary cesarean section in current practice“
7. Second Kuwait medical laboratory and obstetrics and gynecology (March 2019, Kuwait). Presented evaluation of stillbirth“ AND “the role of beta-human chorionic gonadotropin in the management of ectopic pregnancy“
8. Curriculum workshop (March 2019, Kuwait)
9. Is antibiotic resistance a bigger medical problem than cancer? Special FOM/KU seminar (April 2019, Kuwait)

Dr. Waleed Al-Jassar

1. Ministry/Government activities

Membership Ministry

1. Chairman, Faculty of Obstetrics and Gynaecology, Kuwait Institute of Medical Specialization (KIMS)
2. Member, Kuwait Medical Association (KMA)
3. Member, Kuwait Institute of Medical Specialization (KIMS)
4. Chairman, Obstetrics Council, Kuwait
5. Interrogations Committee, MOH

Membership Faculty of Medicine

1. Member, Instrument Committee, Faculty of Medicine
2. Member, Scholarship Committee, Faculty of Medicine
3. Member, Ethical Committee, Faculty of Medicine

Membership in International Organizations

1. Member, Society of Gynecologic Oncology (SGO).
2. Executive Board Member of Middle East Society for Gynecological Endoscopy (MESGE).
3. Fellow of the Society of Obstetricians & Gynecologists of Canada (SOGC)
4. Fellow of the Royal College of Surgeons of Canada (FRCSC)
5. Fellowship in Gynaecologic Oncology
6. Member, American College of Obstetricians and Gynaecologists
7. Membership in various International Organisations

Scientific Conferences attended

1. World congress on Recurrent Pregnancy Loss Conference (WCRPL) , Cannes, France. 13-17, January, 2016
2. 16th biennial meeting of the International Gynaecologic Cancer Society (IGCS), Lisbon, Portugal, 29-31, October, 2016
3. Society of Gynecologic Oncology Annual Meeting on Women's Cancer, National Harbor, Mary Land, USA, 12-15, March, 2017

22nd Health Sciences Poster Conference, March 7-9, 2017, Kuwait.

1. Introduction of Mini-Cex and Evaluation of Medical Students in Obstetrics and Gynaecology Posting. Omu AE, Al-Harmi J, Al-Serri A, **Al-Jassar W**, Al-Azemi MK, Chibber R, George S, Diejomaoh FME.
2. Omu A E, **Al-Jassar WF**, Al-Harmi J, Al-Serri A, Al-Azemi MK, George S Effect of Gestational Diabetes Mellitus on Cytokine Network

Baydaa Al-Sannan

Participation in Ministry/government activities

a. Faculty of Medicine

1. Assistant Professor, Dept. of Obstetrics and Gynaecology at the Faculty of Medicine, Kuwait University **since Dec. 2013.**

Ministry

1. Specialist in ObGyn, Urogynecology and pelvic reconstructive surgeon, Minimally invasive and Robotic surgery, SNM implant. At Sabah Al-Ahmad urology center - since Feb. 2014.
2. Co-author in Guidelines for Diagnostic Imaging of Non-Obstetric Emergencies in Pregnancy, 1st edition printed in 2016, second edition printed in 2017
3. Patient pamphlet preparation for patient with interstitial cystitis, intermittent cauterizations, UDS, OAB and SUI
4. School Presentation and community education in regard to Female urology conditions

Private Sector

1. Specialist in ObGyn, Urogynecology and pelvic reconstructive surgeon, Minimally invasive and Robotic surgery, SNM implant. At Sabah Al-Ahmad urology center - since 2016.

Al-Ahmadi Hospital (KOC)

1. Specialist in Urogynecology and pelvic reconstructive surgeon, Minimally invasive and Robotic surgery, SNM implant. At Sabah Al-Ahmad urology center - since Oct 2018.

Membership in Professional Scientific Societies

1. AUGS: American urogynecologic Society

2. ACOG: American college of obstetrician and gynecologist
3. SOGC: Society of obstetrician and gynecologist of Canada
4. AAGL: Advancing Minimally Invasive gynecology worldwide
5. AOGQ: The Association of Obstetricians and Gynaecologists of Quebec
6. SAGES/ FLS: Society American gastrointestinal Endoscopic surgeons, fundamentals of laparoscopic surgery.
7. SUG: Member of Saudi Urogynecology Group, Group representative at Gulf region.
8. IUGA: International urogynecology Association
9. KSOG: Member of Kuwait Society of Obstetricians and Gynecologists
10. Member of Perineum and Vulva Care Experts society in Gulf region

Scientific Conferences attended

1. Attended as Speaker, 23rd Kuwait annual Obstetrics and gynecology, scientific meeting, 3, 4, 5 & 6 Feb 2019
2. Urology club monthly meeting, sept, 2018, Sabah Al-Ahmad urology center
3. Urology club monthly meeting, Nov, 2018, Sabah Al-Ahmad urology center
4. National Prostate Cancer Awareness Campaign Nov 2019, Sabah Al-Ahmad urology center
5. Urology Club monthly meeting, Jan 2019. Marina Hotel

AbdulRahman Al-Serri

Ministry of health:

1. Specialist in the IVF unit – Maternity Hospital.
2. Policy and guideline writing committee.
3. Department policy writing.

Faculty committees:

1. Member of pregnant woman and newborn baby screening committee.
2. Member, Department phase III examination committee
3. Member, Department research committee
4. Member, Department postgraduate committee

5. Member, PBL phase II committee
6. Member, of the student staff consultative committee.

Scientific conferences attended / invited:

1. Guest speaker 23rd Kuwait annual obstetrics and gynecology conference
2. Guest speaker 7th Kuwait international genetic conference

Memberships:

1. Fellow in the royal college of surgeons of Canada (FRCSC).
2. Member in the American Society for Reproductive Medicine (ASRM).
3. Member of the Middle East Fertility Society (MEFS).

9.0 Concluding Remarks

The team and transformational innovative spirit of a family unit and team togetherness has continued in the department. The state of the undergraduate program is much stronger than ever. The participation of academic staff members and the clinical tutors in bedside teaching, problem based learning (PBL) and the three rotational in-course and final examinations has been of high standard. The Mini-Cex has achieved a high level of popularity. Development into four active clinical and research units namely, Reproductive Medicine, Maternal Fetal Medicine, Gynaecology and Urogynaecology has had some knock-out effect. The department will continue to strive to create a conducive learning environment with encouragement at the undergraduate and postgraduate levels. The curriculum will be continually sculpted to make it to be relevant to the ever changing attitude in medical education, with an in-built dynamism and vibrancy. There have been challenges, which are inevitable in the existence of humanity. However instead of causing a drawback, they have been catalyst for upward ascendant trajectory.

Acknowledgement

The department is exceedingly appreciative of the contribution of the academic, technical and secretarial staff for their individual and collective contributions for the smooth functioning of the department. Coupled with their demonstrations of goodwill, this has made the department an enviable and inclusive family. Many of the clinical tutors have continued to make tremendous contribution to the undergraduate programme. Special acknowledgement of the assistance and advice of the Dean and Vice-Deans of Faculty of Medicine. They have made our transformational innovation happen. The Department of Obstetrics and Gynaecology is sincerely appreciative of all the support.

PEDIATRICS

INTRODUCTION:

During the academic year 2018-2019, the department of Pediatrics continued to work hard to achieve its missions which are:

- A. To improve the lives of children by providing the highest quality of medical care in the diagnosis, treatment and prevention of childhood disease.
- B. To provide excellence in teaching and training of undergraduate and postgraduate medical students by adopting updated and innovative medical educational methods.
- C. To advance knowledge by conducting and encouraging clinical as well as basic science research programs in a wide range of childhood diseases aiming at a better understanding of pediatric illnesses and achieving better outcomes in Kuwaiti children.

In order to achieve our missions, all members of the department of Pediatrics were committed to the core value of modeling professionalism by dealing with each other with respect, integrity and collegiality and subsequently projecting this attitude on our undergraduate students during their rotation in Pediatrics.

We continue to make amendments to our curriculum following inputs from staff, students and external examiners. The core of the clinical rotation revolves around bedside teaching (with 6 MiniCex and mock OSCE), problem-based learning (PBL) and the multidisciplinary medical school day (MSD) format. The students' final grade is a composite of their in-course assessment and the final examination scores (OSCE, MCQs, EMQ).

Our students performed very well at the final examinations with 1 distinction, 1 A and 2 A- while only 1 student had resit exam in September 2018 and failed, had to repeat Pediatrics course in 2018-2019. The immediate feedback from the external examiners who attended our orientation session which preceded the final exams was quite positive and they all attested to the high standard of teaching and assessment methods adopted by the department. They believed our students met or exceeded their expectations. There were some suggestions that we shall take into consideration in planning future examinations.

The department remains quite active in research with impressive collaborations within and outside the department. The focus remains on the subspecialties represented among our faculty including nephrology, rheumatology, hematology, pulmonology, cardiology, endocrinology & diabetology, immunology, allergy, infectious diseases and neonatology. We were well represented in the Annual Health Sciences Center Poster Day Conference. Some of our staff were invited as guest speakers at different international conferences, workshops, courses etc during the year. Currently there are 3 funded research grants (from Kuwait University and KFAS) on which members of the department are principal or co-investigators. In addition, all academic staff are involved in several unfunded research projects.

During this academic year, We had 5 applications for promotion (2 to the rank of Associate Professor and 3 to the rank of a full Professor) but unfortunately 4 were rejected and only one was approved.

No new staff joined the department, but 1 scholar rejoined as assistant professor in 2018.

One Arabic-speaking secretary, Mrs Jumanah Mubarak Redha joined in June 2019.

COMMITTEES

The following committees were responsible for the various departmental activities during the year and reported back to the Chairman. Each committee was Chaired by the person underlined.

1. Appointments and Contract Renewal Committee: **Prof. Adekile D. Adekunle (Head)**, Prof. Khaled Alsaeid, Dr. Mazen Al-Essa, Dr. Lulu Abushaban and Dr. Majeda Hammoud.
2. Scholarship Committee: **Prof. Adekile D. Adekunle (Head)**, Prof. MZ Haider, Prof. Khaled Alsaeid, Dr. Mazen Al-Essa and Dr. Wafa'a Al-Qabandi
3. Teaching and Curriculum Review Committee: **Dr. Wafa'a Al-Qabandi (Head)**, Dr. Mazen Al-Essa, Dr. Majeda Hammoud, Dr. Mayra Alsaeid, Dr. Dalia Abdulrazzaq, Dr. Maysoun Al-Rushood and Dr. Mohammed Ebrahim
4. Examination and Assessment Committee: **Dr. Lulu Abushaban (Head)**, Dr. Waleed Al-Herz, Dr. Dalia Abdulrazzaq, Dr. Majedah Abdulrasoul, Dr. Maysoun Al-Rushood and Dr. Mohammed Ebrahim
5. Research and Development Committee: **Dr. Gursev Dhaunsi (Head)**, Prof. M. Z. Haider, Prof. Khaled Alsaeid, Dr. Abdulla Farhan and Dr. Waleed Al-Herz
6. Distinguished Teacher Award Committee: **Prof. AD Adekile (Head)**, Prof. Khaled Alsaeid, Prof. M. Z. Haider, Dr. Lulu Abushaban and Dr. Abdulla Farhan.
7. Budget and Purchasing Committee: **Prof. MZ Haider (Head)**, Dr. Mayra Alsaeid, Dr. Gursev Dhaunsi and Mr. Braham Srivastava.
8. Library Affairs: **Dr. Maysoun Al-Rushood**
9. Faculty Scientific Affairs Committee Representative: **Dr. Gursev Dhaunsi**
10. Departmental Research & Seminars Coordinator: **Dr. Gursev Dhaunsi**
11. Social Committee: **Dr. Majeda Abdul Rasoul**

12. Health & Safety Committee: **Dr. Gursev Dhaunsi (Head)**, Mr. Braham Srivastava
and
Ms. Athary A.S. Al-Sulaiman

ACADEMIC STAFF

a) Faculty Members

Prof. Adekunle D. Adekile MBBS, Ph.D, FMC (Paed), FWACP, FRCPCH, FRCP (Eding)
Acting Chairman & Professor (Pediatric Haematology)

Prof. Khaled M. S. Alsaeid, B.M.B.Ch, FAAP
Professor (Infectious Diseases & Rheumatology)

Prof. Mohammad Haider, B.Sc, M.Sc., M. Phil, Ph.D.
Professor (Molecular Biology)

Prof. Amal Al-Eisa, B.M., B.Ch., MRCP, MRCPCH, FRCP(UK), FRCPCH
Professor (Pediatric Nephrology)

Dr. Mazen Al-Essa, B.M., B.Ch, FRCP(Glasgow), MRCPCH, DCH
Associate Professor (Neonatology)

Dr. Lulu Abushaban, MBBCh.B, FRCP (UK), FRCP (Ire), MRCPCH (London), DCH,
FAAC, FSCAI, MACC
Associate Professor (Pediatric Cardiology)

Dr. Majeda S. Hammoud, MBBS, DCH, MRCPCH, FRCP (UK)
Associate Professor (Neonatology)

Dr. Mayra Alsaeid, MD, FAAP
Associate Professor (Lipid Metabolism & General Pediatrics)

Dr. Gursev Dhaunsi, B.Sc., M.Sc., Ph.D.
Associate Professor (Biochemistry)

Dr. Abdulla Farhan Owayed, B.M.B.Ch, B.A.O, DCH, FRCP(C), FAAP
Associate Professor (Pulmonology)

Dr. Wafa'a Al-Qabandi, B.M.B.Ch, DCH, FRCPCH
Associate Professor (Gastroenterology)

Dr. Entesar Husain, B.M.B.Ch, FRCP (C), FAAP
Associate Professor (Pediatric Infectious Diseases)

Dr. Waleed Al-Herz, MD, DABP, DABAI
Associate Professor (Allergy & Clinical Immunology)

Dr. Dalia Al-Abdulrazzaq, B.M.B.Ch, FAAP, FRCPC
Associate Professor (Endocrinology & Metabolism)

Dr. Majedah Abdul Rasoul, FRCP, DCH, MBBsc
Assistant Professor (Endocrinology)

Dr. Maysoun Al-Rushood, BMBCh, FAAP, FRCPC
Assistant Professor (Allergy & Clinical Immunology)

Dr. Mohammed Ebrahim, B.M., B.Ch., Am.B. Paed, Am.B. Paed Card, Pediatric Electrophysiology
Assistant Professor (Cardiology)

b) Teaching Assistant

Dr. Amina Al-Awadi
Mrs. Amani Al-Fadli

physicians- None

c) Lab

d) Clinical Tutors

Mubarak Hospital

Dr. Noufoud Fadel Al-Shemmeri (MBBCh, MRCPCH, FRCPC)
Consultant & Chairperson-Dept. of Pediatrics

Dr. Najwa Akar (M.B.B.Ch, MRCPCH , D.C.H.)
Consultant - Dept of Pediatrics

Dr. Fahad Al-Mukhaizeem (MBBCh, FRCP, FAAP, PEM)
Consultant – Dept. of Pediatrics

Dr. Thuraya Saud Al-Mutawa(M.B.B.Ch, D.C.H.)
Consultant - Dept of Pediatrics

Dr. Husam Abdulatif Ali Al-Habashi (MRCPCH)
Consultant - Dept of Pediatrics

Dr. Maysoon Jasem Al-Musallam (MBBS) American Board of Pediatrics
Consultant – Dept. of Pediatrics

Dr. Khalda A. Rashed(MBBCh, MRCPCH)

Consultant - Dept of Pediatrics

Amiri Hospital

Dr. Naser Bader Mansour Al-Khulaifi (M.B.B.Ch, MRCPCH)
Chairman & Senior Specialist– Dept. of Pediatrics

Dr. Suad Al-Osaimi (M.B.B.Ch, MRCPCH)
Consultant– Dept. of Pediatrics

Dr. Mona Abdalla Taha Al-Khawari (MBBCh, MRCPCH, DCH)
Consultant -Dept. of Pediatrics

Dr. Aida Abdul Malik (M.B.B.Ch, MRCPCH)
Consultant - Dept of Pediatrics

Dr. Wafaa Al-Ateeqi (M.B.B.Ch, D.C.H., MRCPCH)
Consultant - Dept of Pediatrics

Dr. Hala Mazyd Al-Sanae (MBBCh, DCH, MRCP(UK))
Consultant – Dept. of Pediatrics

Dr. Hassan El-Sori (M.B.B.Ch, D.C.H, MRCPCH, FRCP)
Consultant- Dept of Pediatrics

Dr. Hammad Abdel A. Ebrahim Hammad (M.B.B.Ch, M.S.C., M.D., MRCPCH)
Consultant – Dept. of Pediatrics

Dr. Zaid Al-Harbash (BM. Bch., FRCPC)
Senior Specialist – Dept. of Pediatrics

Adan Hospital

Dr. Salman N. Mohammed Al-Shammari, (BMSC, MBBS)
Chairman & Sr. Specialist – Dept. of Pediatrics

Dr. Niran Ahmed Al-Naqeeb (M.B.B.Ch, MRCPCH , D.C.H.)
Consultant & Head of Neonatal- Dept of Pediatrics

Dr. Sameera Sadeq (M.B.B.Ch, D.C.H, MRCP)
Consultant - Dept. of Pediatrics

Dr. Enamul Hoque (MRCPCH , D.C.H.)
Consultant - Dept of Pediatrics

Dr. Hanan Ali Hassan Bin Nakhi (M.B.B.Ch, MRCPCH , D.C.H.)

Consultant- Dept of Pediatrics

Dr. Maria Al-Mahdi (MBBch, MRCPCH)

Consultant - Dept. of Pediatrics

Dr. Marzouk Awwad S. Al-Azemi (M.B.B.Ch)

Consultant - Dept. of Pediatrics

Dr. Mohamed Zakkiriah Chinnathambi (M.B.B.S, MD, MRCPCH)

Consultant - Dept. of Pediatrics

Farwaniya Hospital

Dr. Saad Alotaibi (FAAP, FRCPC)

Consultant & Chairman– Dept. of Pediatrics

Dr. Othman Ahmed Abou Shanab (M.B.B.Ch, MRCPCH , D.C.H.)

Consultant- Dept of Pediatrics

Dr. Hani Mohamoud Nadi (M.B.B.Ch, MRCPCH, D.C.H)

Consultant- Dept of Pediatrics

Dr. Reema Al-Sawan (M.B.B.Ch, MRCPCH)

Consultant - Dept of Pediatrics

Dr. Hussein Al-Anzi (M.B.B.Ch, MRCPCH , D.C.H.)

Consultant - Dept of Pediatrics

Dr. Hessa M. Al-Kanderi (MBBsc, MRCPCH, SSC)

Consultant- Dept of Pediatrics

Dr. Hanan Al-Qattan (MBBS)

Consultant - Dept of Pediatrics

Dr. Meshal Al-Kandari (MBBS)

Consultant - Dept of Pediatrics

Dr. Khaled Fareed Kalandar Ali (MBBch, FRCP)

Specialist - Dept of Pediatrics

Maternity Hospital

Dr. Mohammed Al-Harbi

Consultant & Chairman - Dept of Pediatrics

Dr. Muneef Mahrout Al-Fahad Al-Hathal (M.B.B.Ch (Swedish Board of Pediatrics)

Consultant-Dept of Pediatrics

Dr. Nawal Abdu-Razzaq Al-Kazemi (M.B.B.Ch, MRCPCH , D.C.H.)
Consultant - Dept of Pediatrics

Dr. Nahla Barakat (MBBCh, MSc, MD)
Consultant – Dept. of Pediatrics

Dr. Mervat F.Mohamed Khalil (MBBCh, MSc, MRCPCH)
Sr. Specialist – Dept. of Pediatrics

Dr. Khaled Al-Manna'ei- (BSc, MD, MRCPCH)
Sr. Specialist – Dept. of Pediatrics

Chest Hospital

Dr. Adnan A.H.M. Alhadlaq(BMBCh, FRCPC)
Specialist & Chairman - Dept of Pediatrics

Dr. Ebenezer John Puttoor Selvan (MRCPCH, MD, DCH, M.B.,B.S.)
Consultant - Dept. of Pediatrics

e) Visiting Professors and External Examiners

Visiting Professor - None

External Examiners for Final Exam June 2019:

1. **Professor Lesley Rees**
Consultant Paediatric Nephrologist,
Renal Unit, Gt Ormond St Hospital for Children,
Gt Ormond St, London WC1N3JH
Professor of Paediatric Nephrology,
University College London
Email: Lesley.Rees@gosh.nhs.uk
2. **Prof. Hesham Safouh**
Professor of Pediatrics and Pediatric Nephrology
Center for Pediatric Nephrology and Transplantation (CPNT)
Faculty of Medicine, Cairo University, Egypt
Address P O BOX 98, Orman, Giza, 12612, Egypt
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3. **Prof. Haroon Saloojee**
Division of Community Paediatrics
Department of Paediatrics and Child Health
University of the Witwatersrand
Private Bag 3
PO Wits, 2050
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Email: haroon.salooje@wits.ac.za
4. **Prof. Yasser Ahmed Wali**
POB 35 Alkhodh 123, College of Medicine,
Sultan Qaboos University
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5. **Prof. Peter Graham Davis**
Professor/Director of Neonatal Medicine
The Royal Women's Hospital
Parkville VIC 3052
Australia
Email: pgd@unimelb.edu.au
6. **Professor Ronald Laxer**
Professor and Head of Rheumatology DivisionUnit
Hospital for Sick Children
Toronto
Canada
Email: Ronald.laxer@sickkids.ca

SUPPORT STAFF

Mr. Brahm Swaroop Srivastava (B.Sc)
Chief Technician-Chemistry

Scientific Assistants

Mr. Marcus Thomas D'Souza (B.Sc, M.Sc)
Scientific Assistant-Organic Chemistry

Mrs. Vazhappilly Jalaja Sukumaran (B.Sc, M.Sc)
Scientific Assistant-Biology

Research Assistant

None

Research Technician

None

Technicians

Ms. Athary A.S. Al-Sulaiman (B.Sc)
Lab Technologist

Ms. Ayah Tareq Ali Hassan (B.Sc)
Lab Analyst

Secretaries

Mrs. Martha Bella Noronha
Mrs. Bena Andria Rosy Pereira

Others

None

Student help

None

STAFFING CHANGES

1. New Academic Staff appointed- None
2. Promotions : 4 applications submitted 1 to the rank of Associate Professor and 3 to the rank of Full Professor.
3. Staff who left the department – None
4. Staff on Sabbatical Leave- Prof. Amal Al-Eisa
5. Staff on Study leave - None

TEACHING IN THE DEPARTMENT PROGRAM:**I. Faculty of Medicine****a. Undergraduate teaching:**

The undergraduate programme is running well and we are pleased with the overall standards of our students in Pediatrics. The rotation through different hospitals is working well and the student feedback is positive. There is increasing emphasis on PBL in the curriculum. The clinical assesement is now fully in the OSCE format and the E-Loops assessment that was introduced 6 years ago is now well established. These changes have been well-received by the students and the feedback from our external examiners has been positive.

Tutorials, Practicals & Total teaching hours given to students per year

Undergraduate teaching: Number of students 116

6th year	Total (hours)
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PBL Sessions = 4 hours/per week for 4 groups over 9 weeks repeated 3 times per year =
 $4 \times 4 \times 9 \times 3 = 432$ hours /yr

MSD 7 / year (7 x 6hours) = 42 hours

Clinical bed-side hospital teaching is conducted simultaneously at 4 general hospital and the neonatal deptment for 3 hours daily. Each hospital is 10- 12 students divided into 3 groups (4 days/week for 33 weeks = $3 \times 12 \times 4 \times 33 = 4752$ hours/year.

Tutorials 1 hour/day (hour/day x 4 days x 2 groups x 10 weeks) 40 hours x 3 blocks
= 1440 hour/year

Total 4250 hrs per year

- b. Phase II teaching:** All our academic staff are involved in phaseII PBL teaching, clinical skills lab teaching , OSCE Exams and exams corrections.
- c. Graduate teaching (M.Sc./Ph.D):** Listed under Drs. Haider and Dhaunsi separately.
- d. Postgraduate Teaching**
Academic Staff Members have been actively involved in postgraduate training through KIMS programmes in Pediatrics as well as exams of the Royal College of Pediatrics and Child Health (MRCPCH-UK).

II. OTHER FACULTIES: Listed under Drs. Haider and Dhaunsi separately.

III . STUDENT ADVISORS

All the academis staff in the department are mentors to 3-4 students per block with a total of 9-10 students per academic year. Mentors are giving performance feed back and advice to their students on a weekly basis during their Pediatrics rotation.

RESEARCH AND PUBLICATIONS

Monthly Departmental Research Meetings

The seminar series were well organized and attended during the year as shown below:

RESEARCH AND PUBLICATIONS

Monthly Departmental Research Meetings

The seminar series were well organized and attended during the year as shown below:

Date	Presenter	Topic
16/10/2018	Dr. Majedah Abdul-Rasoul	“Type 2 Diabetes Mellitus in Children & Adolescents”
16/12/2018	Prof. Adekunle D. Adekile	“Spectrum of Alpha Thalassemia in Kuwait”
30/01/2019	Dr. Dalia Al-Abdulrazzaq	“Glycemic control of children with Type 1 Diabetes”
20/2/2019	Dr. Mazen Al-Essa	“Prematurity, Morbidity and Mortality”
27/3/2019	Dr. Wafaa Al-Qabandi	“Screening for Celiac Disease in Children”

Research Grants and other Research Projects

Prof. A. D. Adekile

Funded Research:

- **Adekile AD**, Marouf R, **Haider M**, Raghupathy R, Wali Y, AlKindi S, Sharma PN (Co-Investigator): Comparative study of sickle cell disease phenotypes in Kuwait and Oman: cytokine and bone morphogenic gene polymorphisms associated with osteonecrosis (2019-2022); Funded by Kuwait Foundation for the Advancement of Science (KFAS).

Unfunded Research:

- **Adekile AD**, Haider MZ: “Identification of mutations in alpha- and beta-globin genes and their association with clinical phenotype in Kuwaiti children with hemoglobinopathies” (ongoing).
- **Adekile AD** and Asbeutah A: “Transcranial Doppler in Kuwaiti Sickle Cell Disease Patients” (Ongoing)

- **Adekile AD** Akbulut N: “Identification of novel polymorphisms driving fetal hemoglobin expression in sickle cell patients with the Arab/India haplotype, using next generation sequencing”
- Marouf R, Mojiminiyi O and **Adekile AD**: Neutrophil Gelatinase-Associated Lipocalin (NGAL) as a Marker of Crisis Nephropathy in Sickle Cell Disease
- Anwar AlAwadhi, Rajaa Marouf and **Adekunle Adekile**: The relationship of thrombospondin-1 to von Willebrand Factor and ADAMTS-13 in sickle cell disease
- Saima Ali and **Adekunle Adekile**: The prevalence and characteristics of life-limiting and life- threatening conditions in children and young people in Kuwait

Prof. Mohammed Z. Haider :

Unfunded:

- **Haider MZ**, Al-Awadhi AM: “Prevalence of PTPN22 gene functional variant (R620W) in Kuwaiti Arabs with autoimmune diseases (ongoing).

Dr. Majeda S. Hammoud:

Funded Research:

- **Maternal vitamin D level in relation to neonatal infections and child health outcomes.**
Role of Dr. Hammoud: Co-Investigator
Funding institution: Kuwait University, Project # MC01/15
- **Role of Carnitine and Amino-Acids in the Etiopathogenesis of Type I Diabetes in the Experimental NOD Mouse Model**
Research Priority Project
Role of Dr. Hammoud: Co-Investigator
Funding institution: Kuwait University, Project # RM02/15

Dr. Mayra Alsaeid:

Unfunded Research:

On going research:

- Factors of Prevalence of Obesity among Kuwaiti Children
- Insulin Growth Factors in Obesity and Lean Type 2 Diabetes and Type 2 diabetes with Obesity.

Dr. Gursev Dhaunsi:

Funded Research:

- Funded Research grant MK 01/16: In vitro effect of Galactose and/or Galactose-1- Phosphate on Insulin-like Growth Factor-1 (IGF-1) receptor and IGF-1 activity in neonate skin fibroblast cultures. PI: Gursev S. Dhaunsi.

Dr. Wafa'a Al-Qabandi:

Funded Research:

Approved but not yet started:

- Effect of glutamine on growth factor activity in bile acid-induced toxicity in hepatocyte cultures.

Principal investigator: Wafa'a Al-Qabandi

Co-investigator: Gursev Dhaunsi

Grant no.: MK01/18

Ongoing unfunded research:

- Liver transplantation for metabolic liver disease in Kuwait.

Al-Qabandi W, Thomas E, Buhamrah E

Dr. Waleed Al-Herz:

Funded Research:

- Kuwait National Primary Immunodeficiency Registry. Funding agency: Shire. (Principle investigator)
- Reprogramming fibroblasts to pluripotency: modeling primary immunodeficiencies with induced pluripotent stem cells. PI: Prof. Luigi Notarangelo (Children's Hospital Boston/Harvard University). Funding agency: National Institute of Allergy and Infectious Diseases, NIH (Co-Investigator)
- Immune repertoire and function in typical and atypical SCID. PI: Prof. Luigi Notarangelo (Children's Hospital Boston/Harvard University). Funding agency: National Institute of Allergy and Infectious Diseases, NIH. (Co-Investigator)

Unfunded

Research:

- Molecular Studies of Primary Immunodeficiency Syndrome, (Collaborative research with Professor Luigi Notarangelo from The National Institute of Health – USA) (Principle investigator)
- Genetic Characterisation of Congenital Bone Marrow Failure and Immunodeficiency Syndromes. PI: Prof. Dr. med. Christoph Klein (Ludwig-Maximilians-University Munich) (Co-Investigator)
- A prospective outcome study on patients with profound combined immunodeficiency (P-CID), 2012 (Co-Investigator). PI: Prof. Dr. med. Stephan Ehl (Centre of Chronic Immunodeficiency CCI, Freiburg, Germany) (Co-Investigator)

Dr. Majedah Abdul-Rasoul:

Unfunded Research:

- Type 2 Diabetes in children and adolescents
- Cardiovascular risk factors in adolescents with type 1 diabetes in Kuwait

Dr. Maysoun Al-Rushood:

Unfunded Research:

- Cow's Milk Protein Allergy in Kuwait: Epidemiology and Natural History
- Cytokine Gene Polymorphisms in Children with Idiopathic Nephrotic Syndrome
- 3-IL-6 and IL-8 in Children with Urinary Tract Infection.

Dr. Mohammad Ebrahim:

Unfunded Research:

- Pacemaker Implantation in Isolated Congenital Complete Heart Block – Tertiary Center Experience in Kuwait (ongoing). Ebrahim M, Al-Sayegh H, Fajer, Mustafa, Vadim.
- Development of Complete Heart Block following Congenital Heart Disease Surgery in Kuwait (ongoing). Ebrahim M, Behbehani H, Malhas Z, Reem, Mustafa, Vadim.
- Survey of ECG Interpretation among Pediatricians in Kuwait (ongoing). Ebrahim M, Al Saed R, Al Ainati R, Tuzko V.

Posters presented in the 24th Health Sciences Center Poster Conferences, 2019:

1. Alpha Thalassemia Alleles in Kuwait. Adekile AD ¹, Haider MZ ¹, Sukumaran J ¹, Thomas D ¹, D'Souza M ¹. Department of Pediatrics, Faculty of Medicine, Kuwait University.
2. Al Taiar A, Al-Quood N, Hammoud MS: Can Infant and Young Child Feeding Indicators Predict Stunting or Overweight? Findings of Kuwait Nutritional Surveillance System (2015-2017). 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
3. Galactose and Galactose-1-Phosphate attenuate Insulin-like Growth Factor-1 Activity through Receptor Impairment in Neonate Skin Fibroblast Cultures. Dhaunsi G, Al-Essa M. Department of Pediatrics, Faculty of Medicine, Kuwait University.
4. Audit of healthcare for children and adolescences with type 1 diabetes in a tertiary center in Kuwait. Al-Abdulrazzaq D*, Al-Taiar A, Shaltout A, Al-Kandari H. 1Department of Pediatrics, Kuwait University; 2Department of Community Medicine, Kuwait University; 3Dasman Diabetes Institute.
5. Type 2 Diabetes in Children in Kuwait: Results from the Childhood-Onset Diabetes eRegistry (CODER). Al-Kandari H ^{1,2}, Al-Abdulrazzaq D ³, Haddad D ², Al-Tararwa A ¹, Mandani F ¹, Al-Shawaf F ¹, Al-Hussaini F¹, Al-Mahdi M¹, Al-Anzi A ¹, Al-Sanea H¹, Qabazard M¹, Al-Basari I ¹, Al-Jasser F ^{1,2}, AbdulRasoul M ³. 1 Ministry of Health, Kuwait; 2 Dasman Diabetes Institute; 3 Department of Pediatrics, Faculty of Medicine, Kuwait.
6. A 7 year old boy with short stature and hepatomegaly. Baqer Z* ¹, Al-Safi R ¹, Al-Abdulrazzaq D ². 1 Mubarak Al-Kabeer Hospital Ministry of Health; 2 Department of Pediatrics, Faculty of Medicine, Kuwait.

PUBLICATIONS:

Papers published:

1. Olatunya O, **Adekile AD**. Evaluation of socio-demographic, clinical and laboratory markers of sickle leg ulcers among young Nigerians. *Nig J Clin Pract*. 2018 Jul;21(7):882-887. doi: 10.4103/njcp.njcp_4_18.
2. **Adekunle Adekile**, Meaad Hassan, Akram Asbeutah, Mohamed Al-Hinai, Omar Trad, Nayef Farhan. Transcranial Doppler in Peninsular Arab Patients with Sickle Cell Disease. *J Ultrasound in Med*. 2018 May 6. doi: 10.1002/jum.14680.
3. Olatunya OS, Albuquerque DM, **Adekile A**, Costa FF. Influence of alpha thalassemia on clinical and laboratory parameters among Nigerian children with sickle cell anemia. *J Clin Lab Anal*. 2018 Aug 20:e22656. doi: 10.1002/jcla.22656.
4. **Adekunle Adekile**, Renu Gupta, Abdullah Al-Khayat, Ahmed Mohammed, Said Atyani, Diana Thomas. Risk of avascular necrosis of the femoral Head in children with sickle cell disease on hydroxyurea: MRI evaluation. *Ped Blood Canc*. 2019 Feb;66(2):e27503. doi: 10.1002/pbc.27503.
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7. **Adekunle D. Adekile**, Sondus Al-Sherida, Rajaa Marouf, Nada Mustafa and Diana Thomas. The Sub-Phenotypes of Sickle Cell Disease in Kuwait. *Hemoglobin*. 2019 <https://doi.org/10.1080/03630269.2019.1610427>.
8. **Haider MZ, Rasoul MA**, Al-Mahdi M, Al-Kandari H, **Dhaunsi GS** (2018). Association of protein tyrosine phosphatase non-receptor type 22 gene functional variant C1858T, HLA-DQ/DR genotypes and autoantibodies with type-1 diabetes mellitus in Kuwaiti Arabs. *PLOS ONE* 13(6):e0198652. <https://doi.org/10.1371/journal.pone.0198652>.
9. Al-Awadhi AM, **Haider MZ, Sukumaran J**, Balakrishnan S (2018). High prevalence of protein tyrosine phosphatase non-receptor N22 gene functional variant R620W in systemic lupus erythematosus patients from Kuwait: implications for disease susceptibility. *BMC Rheumatology* 2:7; <https://doi.org/10.1186/s41927-018-0015-x>.
10. Nakwan N, Jain S, Kumar K, Hosono S, **Hammoud M**, Yahia Elsayed Y, Ariff S, Hasan B, Khowaja W, Bing PW. An Asian multicenter retrospective study on persistent pulmonary hypertension of the newborn: incidence, etiology, diagnosis, treatment and

outcome. *J Matern Fetal Neonatal Med.* 2018 Oct 14;1-11. doi: 10.1080/14767058.2018.1536740. [Epub ahead of print]

11. **Al-Herz W**. A Systemic Review on the Prevalence of Atopic Diseases in Children in the Arabian Peninsula. *Med Princ Pract.* 27(5):436-442, 2018
12. Tirosh I, Yamazaki Y, Frugoni F, Ververs FA, Allenspach EJ, Zhang Y, Burns S, **Al-Herz W**, Noroski L, Walter JE, Gennery AR, van der Burg M, Notarangelo LD, Lee YN. Recombination activity of human recombination-activating gene 2 (RAG2) mutations and correlation with clinical phenotype. *J Allergy Clin Immunol.* 43(2):726-735, 2019.
13. Aydin SE, Freeman AF, **Al-Herz W**, Al-Mousa HA, Arnaout RK, Aydin RC, Barlogis V, Belohradsky BH, Bonfim C, Bredius RG, Chu JI, Ciocarlie OC, Doğu F, Gaspar HB, Geha RS, Gennery AR, Hauck F, Hawwari A, Hickstein DD, Hoenig M, Ikiniciogullari A, Klein C, Kumar A, Ifversen MRS, Matthes S, Metin A, Neven B, Pai SY, Parikh SH, Picard C, Renner ED, Sanal Ö, Schulz AS, Schuster F, Shah NN, Shereck EB, Slatte MA, Su HC, van Montfrans J, Woessmann W, Ziegler JB, Albert MH; Inborn Errors Working Party of the European Group for Blood and Marrow Transplantation and the European Society for Primary Immunodeficiencies. Hematopoietic Stem Cell Transplantation as Treatment for Patients with DOCK8 Deficiency. *J Allergy Clin Immunol Pract.* 7(3):848-855, 2019.
14. **Al-Herz W**, Chou J, Delmonte OM, Massaad MJ, Bainter W, Castagnoli R, Klein C, Bryceson YT, Geha RS, Notarangelo LD. Comprehensive Genetic Results for Primary Immunodeficiency Disorders in a Highly Consanguineous Population. *Front Immunol.* 2019 Jan 15;9:3146.
15. Farmer JR, Foldvari Z, Ujhazi B, De Ravin SS, Chen K, Bleesing JJH, Schuetz C, **Al-Herz W**, Abraham RS, Joshi AY, Costa-Carvalho BT, Buchbinder D, Booth C, Reiff A, Ferguson PJ, Aghamohammadi A, Abolhassani H, Puck JM, Adeli M, Cancrini C, Palma P, Bertaina A, Locatelli F, Di Matteo G, Geha RS, Kanariou MG, Lycopoulou E, Tzanoudaki M, Sleasman JW, Parikh S, Pinero G, Fischer BM, Dbaiibo G, Unal E, Patisroglu T, Karakukcu M, Al-Saad KK, Dilley MA, Pai SY, Dutmer CM, Gelfand EW, Geier CB, Eibl MM, Wolf HM, Henderson LA, Hazen MM, Bonfim C, Wolska-Kuśnierz B, Butte MJ, Hernandez JD, Nicholas SK, Stepensky P, Chandrakasan S, Miano M, Westermann-Clark E, Goda V, Kriván G, Holland SM, Fadugba O, Henrickson SE, Ozen A, Karakoc-Aydiner E, Baris S, Kiykim A, Bredius R, Hoeger B, Boztug K, Pashchenko O, Neven B, Moshous D, Villartay JP, Bousfiha AA, Hill HR, Notarangelo LD, Walter JE. Outcomes and treatment strategies for autoimmunity and hyperinflammation in patients with RAG deficiency. *J Allergy Clin Immunol Pract.* 2019 Mar 12. pii: S2213-2198(19)30260-0.
16. **Rasoul MA, Haider MZ**, Al-Mahdi M, Al-Kandari H, **Dhaunsi GS** (2019) Relationship of four vitamin D receptor gene polymorphisms with type 1 diabetes mellitus susceptibility in Kuwaiti children. **BMC Pediatrics** 19:71 <https://doi.org/10.1186/s12887-019-1448-0>.

Papers in Press:

1. **Mazen Alessa** and **Gursev Dhaunsi**. Selective Receptor-mediated Impairment of Growth Factor Activity in Neonatal- and X-linked Adrenoleukodystrophy Patients. Accepted the Journal of Pediatric Endocrinology and Metabolism (JPEM).

CONTRIBUTIONS:

Prof. Adekunle D. Adekile

Participation in Ministry of Health activities

Seconded to Department of Pediatrics, Mubarak Al-Kabeer Hospital. The following services are provided:

1. Consultant and head of the pediatric hematology unit.
-See in- and out-patients and receives consultations on patients with different hematological problems.
2. Receives samples from different hospitals in Kuwait for Detection of -3.7kb deletion in alpha- thalassemia patients and families
3. Detection of common sickle cell haplotypes (ARAB, BENIN, BANTU/CAR) in patients and families.
4. Detection of Hemochromatosis gene (HFE gene) mutations by multiplex PCR.
5. Detection of common mutations in beta-globin gene in Beta-Thal patients.

Teaching

Undergraduate

1. Phase-II: (4th year MD students) PBL-Facilitator.
2. Phase-III: PBL-Facilitator in “Pediatrics” (6th Year MD students).

Membership of Journal Editorial Boards

1. Hemoglobin
2. The Scientific World Journal (Hematology)
3. Datasets in Medicine (Hematology), Open Access; New York, NY
4. Journal of Applied Hematology
5. Nigerian Journal of Haematology
6. Journal of Hematology: Annals of Medical Case Reports

Service as Referee/Reviewer for Journals/Funding bodies

Served as Reviewer for:

1. Medical Principles and Practice
2. Iraqi Journal of Hematology

3. Saudi Journal of Hematology
4. Blood Reviews
5. Hemoglobin
6. Expert Review in Hematology
7. BMC Pediatrics

Participation in conferences

1. 60th Annual Meeting American Society for Hematology, San Diego, USA, 1 – 4, December 2018.
2. 12th Annual Congress of the European Association for Haemophilia and Allied Disorders. Prague, Czech 6 – 8, February, 2019
3. 7th Kuwait International Genetics Conference. Kuwait, 12th – 14th February, 2019. Presented paper on HbH Disease in Kuwait.
4. 9th Emirates Hematology Conference. Dubai, UAE. 7th – 9th March, 2019. Presented paper on Transcranial Doppler Findings in Gulf SCD Patients.
5. 3rd Al Jahra International Pediatric Conference 9 – 11, March, 2019. Presented paper on Thalassemia.
6. 12th SIOP-Asia Conference. Abu Dhabi, UAE. 3rd – 6th April 2019. Presented paper on SCD Phenotypes in the Gulf
7. 8th AfME Hemophilia and Sickle Cell Disease Summit. April 12th & 13th, 2019. Dubai, UAE. Presented paper on SCD Phenotypes in the Gulf. Lessons from the Kuwait National Registry.

Poster Day Abstracts

1. Asbeutah AM, AlMajran A, **Adekile A**: Pattern of cerebral blood flow and the interrelationship of vascular parameters of transcranial Doppler imaging in children with sickle cell disease.
2. **Adekile AD, Haider MZ, Sukumaran J**, Thomas D, D'Souza M : Alpha Thalassemia Alleles in Kuwait.

Honors

1. Best Oral Abstract Presentation. Emirates Hematology Conference, Dubai 7th to 9th March 2019.

Contribution to Committees

For Department of Pediatrics:

Acting Chairman of the Department, October 2018 till present.

Prof. Khaled Alsaeid:

Ministry of

Health activities:

- Head of Pediatric Rheumatology, Ministry of Health
- Member, National Immunization Committee.

International level:

- Multiple international presentations and lectures in the field of Pediatric Rheumatology.

Missions:

- 2018 Carra Annual Scientific Meeting. Denver USA, 11th -15th April 2018.
- British Society for Rheumatology, Conference. Liverpool, UK, 1st - 3rd May 2018.
- American College of Rheumatology. Illinois, USA, 19th - 24th October 2018.
- Pediatric Advanced Life Support Initial. Ft Lauderdale Florida, 24th -25th November 2018.
- Pediatric Academic Societies Meeting. Baltimore, USA, 24th -1st May 2019.

Prof. Mohammad Z. Haider:

Seconded to Medical Laboratory, Mubarak Al-Kabeer Hospital. The following services are provided:

1. Detection of -3.7kb deletion in alpha- thalassemia patients and families.
2. Detection of common sickle cell haplotypes (ARAB, BENIN, BANTU/CAR) in patients and families.
3. Detection of Hemochromatosis gene (HFE gene) mutations by multiplex PCR.
4. Detection of common mutations in beta-globin gene in Beta-Thal patients.

Teaching**Undergraduate**

1. Phase-II: (4th year MD students) PBL-Facilitator.
2. Phase-III: PBL-Facilitator in “Pediatrics” (6th Year MD students).

Postgraduate

1. Course No. 540-562 “Molecular Biology and Biotechnology”: (MSc. Medical Biochemistry program), Faculty of Medicine. The topics taught were:
 - a. Types and mechanism of DNA recombination and its
 - b. Significance in Human diseases and gene therapy.

Other Teaching-related activities

Member, Examinations Committee: For Course No. 540-562 “Molecular Biology & Biotechnology” (MSc, Medical Biochemistry program, Faculty of Medicine).

Membership of Journal Editorial Boards

1. Associate Editor (Genetics and congenital disorders): BMC Pediatrics.
2. Section Editor (Genetics): Annals of Clinical and Experimental Immunology
3. Member, Editorial Board: Journal of Diabetes Care and Endocrinology
4. Section Editor (Genetics): Journal of Pediatrics and Pediatric Medicine
5. Member, Editorial Board: SM Pediatrics and Neonatal Biology.
6. Member, Editorial Board: Medical Principles and Practice.

Service as Referee/Reviewer for Journals/Funding bodies

1. Served as Reviewer for Research Sector, Kuwait University (on several occasions).

2. Served as Reviewer: for the Journal “Medical Principles and Practice” (October 2018).

Participation in conferences

1. Annual Meeting of the American Society of Human Genetics; 16-20 October 2018, San Diego, USA.
2. 24th HSC Poster Conference during 12-14 March 2019 at Health Sciences Center, Kuwait.

Abstracts/Conference papers

1. **Haider MZ, Rasoul MA, Al-Mahdi M, Al-Kandari H, Dhaunsi GS** (2018): Influence of vitamin D receptor gene polymorphisms and three autoantibodies on susceptibility to type 1 diabetes mellitus in Kuwaiti Arabs/PgmNr 2143. Annual Meeting of the American Society of Human Genetics; 16-20 October 2018, San Diego, USA.
2. Al-Awadhi AM, **Haider MZ, Sukumaran J**, Hasan EAH, Bartella YA. (2019): Role of protein tyrosine phosphatase non-receptor type N22 gene polymorphism (C1858T) in genetic susceptibility of psoriatic arthritis in Kuwaiti Arabs. 24th HSC Poster Conference, 12-14 March 2019, Kuwait.
3. **Adekile AD, Haider MZ, Sukumaran J, D’Souza TM**: (2019) Alpha thalassemia alleles in Kuwait. 24th HSC Poster Conference, 12-14 March 2019, Kuwait.

Services as External Examiner:

1. Convener: Thesis Examination Committee, for two MSc. (Molecular Biology) students, College of Graduate Studies, Kuwait University (November 2018 and January 2019).
2. Member: Thesis Examination Committee, MSc. (Molecular Biology), College of Graduate Studies, Kuwait University (October 2018).

Contribution to Committees:

For outside Institutions:

Member: Panel of Reviewers for evaluation of Research: Ministry of Health, Kuwait (July 2014-present).

For Kuwait University:

- Director: MSc. (Molecular Biology) Joint Degree Program of the College of Graduate Studies (July 2017 – present)

For Faculty of Medicine:

- Member: Medical Research Committee, (MRC, September 2013-date).
- Member: Faculty Committee for Distinguished and Best Young Researcher Awards (December 2018).
- Member: Promotion Review Committee, Department of Microbiology (October 2018)
- Member: Faculty Committee for Appointments and contract renewal of academic staff (2018-2020).

For Faculty of Allied Health Sciences:

- Member: Promotion Review Committee, (2019-2020).

For Department of Pediatrics:

- Member, Research Committee.
- Coordinator, Committee for Finance and Budget.
- Member, Scholarship Committee.
- Member, “Distinguished Teacher Award” Committee.
- Acting Chairman of the Department, on several occasions.

Membership of Professional Societies:

- Member, American Society of Human Genetics
- Member, European Society of Human Genetics (till December 2018)
- Member, Kuwait University Faculty Association.

Training Courses attended

- “Web of Science, Journal Citation Reports and Endnote”: a training session at Health Sciences Center Library on 11.12.2018.

Prof. Amal Al-Eisa:

Undergraduate:

- Bedside teaching of 6th year student during Pediatrics rotation.
- Phase-II: PBL-Facilitator for Renal module
- Phase-III: PBL-Facilitator in “Pediatrics” (Three groups of 6th Year medical students).
- Medical school day-Child Psychology and child abuse, March 2018.
- Examiner for Undergraduate and Postgraduate students in Pediatrics

Postgraduate:

- Examiner-Membership of the Royal College of Child health and Pediatrics MRCPCH-UK

Student advisor

- 10 students per academic year

Advisory review services for professional journals

- Reviewer for Kuwait Medical Journal
- Reviewer for Pediatric nephrology journal.
- Reviewer for Research Committee-Ministry of Health.
- Editorial board member of International Journal of Pediatrics and Neonatal care.
- Editorial board member of Archives of Renal Diseases and Management.
- Editorial board member of Pediatric surgery: Clinics in Surgery

Contribution to Committees**For Department of Pediatrics:**

- Chairperson, Departmental Scholarship Committee since Jan. 2014-present.
- Chairperson, Departmental Appointment and contract Committee since Jan. 2014-present.
- Library Affairs: Sept. 2017-Sept. 2018.

Membership of Professional Societies

- Member, American Society of Nephrology
- Member of International Pediatric Nephrology Association
- Member, Asian Pediatric Nephrology Society

Missions:

- Pediatric nephrology Course- Great Ormond street hospital-London-UK, April 2018.
- The Pediatric Academic Societies Meeting. Canada-Toronto 5th -8th May 2018.

Dr. Mazen Al-Essa:**Honors:**

- Examiner for the Undergraduate Pediatric 6th year student at the Faculty of Medicine, Kuwait University.

University and Community Activities:

- Member of the Teaching Committee in the Department of Pediatrics.
- Member of the Kuwait Pediatric Association.
- Member of the editorial board of Kuwait Medical Journal.
- Member of the Scientific and Research committee at Maternity Hospital, Kuwait.
- Member of the Medical Records committee at Maternity Hospital, Kuwait.
- Member of the postgraduate Pediatric scholarship committee of the Faculty of Medicine, Kuwait University.

Missions:

- Pediatric Academic Societies (PAS) Meeting 2018. 5th -8th May 2018, Toronto, Canada.
- Pediatric Review. 6th -11th September, 2018, Chicago-USA.
- Miami Neonatology 2018. 11th – 14th November 2018, Florida-USA.
- American Medical Seminars. 21st - 25th January 2019, Florida, USA.

Services:

I am an attending consultant in the neonatal unit at Maternity Hospital doing 2 clinical rounds every week. In addition, doing an outpatient service at Amiri Hospital as a follow up clinic for the graduates of the preterm infants and follow the asthmatic children in addition to other varieties of cases.

Dr. Majeda Hammoud:

Teaching

- Having a full teaching load (Clinical, bedside teaching and didactic lectures together with the PBL sessions and the MSD).

University and Community activities:

- Member of the Infection control committee at Al- Sabah Maternity Hospital.
- Member of the Antibiotic Policy committee at Al- Sabah Maternity Hospital
- Head of the Ethical committee in Al- Sabah Maternity Hospital.
- Member of the Teaching Committee in the Faculty of Medicine, Department of Pediatrics
- Year 6 Coordinator for the clinical rotation in Pediatrics, Phase 111 Faculty of Medicine, Kuwait University
- Reviewer for Kuwait Medical Journal(KMJ) to revise the papers related to Pediatrics (Neonatology)
- Coordinator of the Pediatrics PBL Program in the Department of Pediatric, Faculty of Medicine
- Coordinator of the Medical school days of Phase 111 of the new Curriculum in the Department of Pediatric, Faculty of Medicine

Conferences Attended:

- 18th Saudi Neonatology Conference, Dammam, Saudi Arabia. **(Invited speaker)** 17th - 18th April 2018.
- PAS 2018 (The Annual Meeting of Pediatric Academic Societies), Toronto, Canada. 5th -8th May 2018.
- Nutritional Essentials for a journey of well-being, Istanbul, Turkey 18th -21st Oct, 2018
- A new era in infant nutrition(HMO), Kuwait. **(Invited Speaker)**, 2nd February 2019
- 7th Kuwait International Genetic Conference, Kuwait, 12th -14th Feb, 2019
- 24th Health Sciences Centre Poster Conference, Kuwait University, Kuwait 12th-14th March, 2019.
- Workshop: EndNote for developing your library and creating Reference Style for research. Kuwait, 17th March, 2019.
- The 4th Al-Jahra International Pediatric conference, Kuwait. **(Invited Speaker)**, 22nd-24th March, 2019.
- Elsevier Author workshop (conducted by the HSC library), Kuwait, 26th March, 2019.

Peer review services

- Infection and Drug Resistance
- BMC Pediatrics
- Medical Principles and Practice (MPP)
- Kuwait Medical Journal (KMJ)
- Journal of Clinical Epidemiology

Dr. Lulu Abushaban:

- Associate Professor – Department of Pediatrics
- Examiner for The Royal College of Physicians in Pediatrics (UK)
- Exam Chairman for KIMS Pediatric Cardiology Fellowship Program.

Missions:

- World Congress of Cardiology Logistic. Dubai, 5th - 8th December 2018.
- 22nd Annual Update on Pediatric and Congenital Cardiovascular Disease. California, USA, 13th -17th February 2019.

Dr. Mayra Al Saeid**Clinical Service : Pediatrics Outpatient Clinic:**

- Consultation service in Al Amiri Teaching Hospital
- Weekly new referrals from the polyclinic as well as inpatients patients with different general pediatrics disorders that require a follow up
- Overweight and Obesity Diagnostic Clinic
- Patients are continuously supervised with interactive educational sessions and investigations are done as needed.
- Nutritional Sessions arranged with dietician for Multidisciplinary Care Team.

Teaching Responsibilities and contributions:**Undergraduate:**

- Phase III bedside clinical teaching
- Supervisor of Problem Base Cases in Phase III
- Coordinator of MSD Communication Skills Phase III Medical students
- Evaluation of Clinical Cases prepared by the students during the Pediatric rotation in the Hospitals.
- Student advisor Phase III Medical students during their hospital rotation.
- Mini-CEX: Phase III Medical students
- Medical Skills Labs Phase II
- Problem-Based Learning (PBL) Pediatric teaching to 6th Year Pediatrics students of M.B.B.Ch. program. Faculty of Medicine , Kuwait University
- MSD - Faculty of Medicine , Kuwait University. Coordinator of Psychology and Development Phase III Medical students
- Coordinator of the Clinical Tutors in Al Amiri Teaching Hospital, Year 6 Phase III Medical Students.
- Student Advisor for Phase I

Postgraduate:

- Postgraduate teaching during Unit A teaching rounds:
- Consists of bedside teaching of trainees, registrars and senior registrar during the clinical ward round with emphasis of the development of the six levels of critical thinking and communication skills.

- Supervision and clinical bed-side Teaching Round of Phase III medical students during Unit A rounds.
- Supervisor of the Departmental Pediatric Unit A Clinical Case presentation and other educational activities.
- “Unexplained fever in young children”. Ambulatory Care Course-Al-Amiri Hospital. Ministry of Health.

Ministry of Health Activities:

- Consultant in Pediatrics Unit A, at Al Amiri Hospital since 1992.
- Consultant in Pediatrics at Al Amiri Hospital Outpatient Clinic.
- Involved in supervising and following the Pediatrics patients in the outpatient clinic.
- Special Consultation and follow to patients with Lipids Metabolic Abnormalities and Children with obesity and Special Needs.
- Consultation and follow up in the outpatient clinic to pediatric patients with parental history of Premature Cardiovascular Diseases in the Chest Hospital.
- Co-ordinator for Ambulatory Pediatric Care.
- Co-ordinator of the presentations of the Unit A Pediatrics Grand Rounds held at Al-Amiri Hospital.

Community Level:

Committee membership:

- Kuwait Medical Association
- Member of the Departmental Council – Department of Pediatrics –Al Amiri Hospital.
- Member of the Research Committee in Al Amiri Hospital.
- Member of the Clinical Guidelines Committee of the Pediatric Dept. and the Casualty in Al Amiri Hospital.

For Faculty of Medicine, Kuwait University

- Member of the Staff Developmental Program Committee, Faculty of Medicine.
- Examination Invigilator Final Pediatrics Examinations of Phase III medical students.
- Examination Invigilator Final Pediatrics Examinations of Phase II medical students.
- Member of the Accreditation Committee August 2017

For Health Science Center, Kuwait University

- Teaching Course, Medical Education Postgraduate Course, Certificate. Diploma, Centre for Medical Education-Dundee University (UK) held in Kuwait University, Kuwait.
Statistics Course. FOM, Kuwait.
- Teaching Excellence Workshops, organized by the Center for Teaching Excellence (CTE), Kuwait University.
- Second Medical Educational Workshop
Live Simulation and its role in Teaching and Assessment

Missions:

- Advances in Neonatal and Pediatric Nutrition. London, UK, 19th – 21st July 2018.

Dr. Gursev Dhaunsi:

Contributions:

As Consultant in Clinical Biochemistry Unit of Muabrak Al-Kabeer Hospital, providing Clinical diagnostic service for various inherited metabolic disorders that include amino acid disorders, lysosomal storage diseases, peroxisomal diseases and congenital disorders of glycosylation.

Undergraduate teaching:

- Teaching Medical students during all phases of the new curriculum;
- Phase I: Pre-professional year
- Teaching Chemistry for Health Sciences Course and facilitator for Problem Based Learning (PBL) sessions in Infection and Immunity module.
- Phase II: Facilitator for Problem-based Learning sessions in Respiratory module and Nervous System module.
- Phase III: Facilitator for PBL sessions in Pediatrics.

Postgraduate teaching:

- Teaching M.Sc. students in Molecular Biology and Biochemistry graduate programs of Health Sciences Center, Kuwait University.

University and Community activities:

- Member, Department Committee of Research and Development.
- Member, Departmental Budget and Purchasing Committee
- Department Seminar Coordinator.
- Departmental Research Coordinator and Faculty Scientific Affairs Representative
- Member of the Joint Committee of Health Science Center (HSC) for the Protection of Human Subjects in Research.

Missions:

- Experimental Biology 2018. 21st -25th April 2018, San Diego, CA, USA.
- Gordon Research Conference. 24th -25th July 2018, Newry, Maine, USA.
- 17th International Xenopus Conference. 13th -15th August 2018.
- 324th International Conference on Medical & Health Science 2018. 19th-20th December 2018, Cambridge, MA, USA.
- Key Stones Symposia. 31st March 2019 -4th April 2019, Colorado, USA.

Dr. Abdullah Farhan:

Teaching:

Teaching Postgraduate Pediatric Pulmonology Residents and KIMS residents in ward rounds, outpatient clinics and pediatric pulmonology grand rounds various aspects of pediatrics pulmonology diseases.

Teaching 6th year medical students didactic and bed side teaching.

Phase II Neurology Teaching.

Services and diagnostics:

- Consultant Pediatric Pulmonologist, Mubarak Al-Kabeer Hospital. Involved in inpatient and outpatient care.
- Head, Pulmonology Unit, Mubarak Al-Kabeer Hospital.
- Running Pulmonary Function Test Lab (PFT), Mubarak Al-Kabeer Hospital
- Member, Pediatric Department Council, Mubarak Al-Kabeer Hospital
- Pediatric pulmonology consults and medical boards in Adan & Amiri Hospitals.
- Pediatric pulmonology outpatient clinic in Ahmadi Hospital.
- Public school visits and education

Advisory editor for professional journals:

- Kuwait Medical Journal
- Examiner for KIMS Pediatrics Board Examination

Missions:

- European International Respiratory Society Annual Congress 2018. 15th -19th September 2018, Paris- France.

Dr. Entesar Husain: on long sick leave from September 2017 till current date.

Dr. Wafa'a Al Qabandi:

Academic Teaching:

- Teaching 6th year medical students during their pediatric clinical rotation in Al Amiri Hospital.
- Phase III PBL: 6th year medical students (Block 3: 3 PBLs; Block 2: 3; Block 3: 2).
- MSD: A coordinator of one pediatric medical school day (MSD) for 6th year medical students in December 4th 2018 (Gastrointestinal problems in children).

Exams:**Students' exams:**

- Participated in the final OSCE exam of Phase 11 (4th year) medical students in May 14th, 2018.
- Participated in correcting the final exam of Phase 11 (3rd year) medical students in June 21st, 2018.
- Prepared together with another colleague from the Department of Pediatrics the 1st End of Block E-Loop exam of Phase 111 (6th year) medical students in November 20th, 2018.

Advisory editor services for professional journals:

- Reviewer for The Saudi Journal of Gastroenterology.
- Reviewer for Pediatric Transplantation.
- Reviewer for Kuwait Medical Journal.
- Reviewer for International Scholarly Research Notices.
- Reviewer for BMC Pediatrics

Presentations:

Oral presentation: “Empowering the management of functional gastrointestinal disorders in infants less than 12 months”, presented in “Think Nutrition” symposium on April 11th, 2018, Kuwait.

- Oral presentation: “Screening for Celiac disease in children”, presented in the research seminar of the Department of Pediatrics on March 2019.

Courses/Workshops attended:

- EndNote course, held on March 17th, 2019 in the Faculty of Medicine, Kuwait University.

Contribution to committees/Posts in the Faculty of Medicine:

- The head of the teaching committee in the Department of Pediatrics in the academic year 2018-2019.
- A member of the scholarship committee in the Department of Pediatrics in the academic year 2018-2019.
- Participated as a member of the interview committee for the position of a lab technician in the Department of Pediatrics on May, 2018.
- Acting chairperson of Department of Pediatrics:
 - July 15-30, 2018
 - December 23-27, 2018
-

Participation in the Ministry of Health/Government activities:**Teaching:**

- Postgraduate (Pediatric KIMS candidates)
- General pediatricians in Al Amiri Hospital

Service Diagnostic:

- A Consultant in the Pediatric Gastroenterology Unit in Al Amiri Hospital, performing all kinds of diagnostic and therapeutic gastrointestinal procedures for children.

Clinical:

- Hospital services including ward rounds, out-patient clinics and emergency calls covering pediatric gastroenterology problems from all over Kuwait.
- Follow up of pediatric liver and intestinal transplant recipients in a special pediatric liver transplant clinic in Al Amiri Hospital.

Memberships and committees:

- Member, the Pediatric Gastroenterology Unit in Al Amiri Hospital.
- Member, Department of Pediatric Council in Al Amiri Hospital.

Dr. Waleed Al-Herz

Participation in Ministry/Government activities

Teaching:

- Chairman, Faculty of Clinical Immunology and Allergy
Kuwait Institute for Medical specialization (KIMS)
March 2011 – Present.
- Program Director, Clinical Immunology & Allergy Fellowship program
Faculty of Clinical Immunology and Allergy
Kuwait Institute for Medical specialization (KIMS)
March 2011 – Present

Clinical Service

- Head, Allergy & Clinical Immunology Unit - Dept of Pediatric, Al-Sabah Hospital

Advisory Editor Services for Professional Journals

- Associate Editor
Frontiers in Immunology
- Editorial Board
Journal of Clinical Immunology
Immunology and Genetics Journal
Reviewer
Annals of Allergy Asthma and Clinical Immunology
Clinical Immunology
Journal of Clinical Immunology
BMC Research Notes
Iranian Journal of Pediatrics
Journal of Allergy and Clinical Immunology
Pediatrics
Pediatrics Pulmonary
Pediatrics Allergy and Immunology
Medical Principle and Practice

Contribution to committees in the FOM

- Accreditation Committee
- Design team for the Faculty of Medicine, Sabah Al-Salem University City,
Kuwait University Construction Program September 2018 – Present
Secondment Committee for Faculty of Medicine

Contribution to committees outside FOM

- National Vaccination Committee, Ministry of Health, Kuwait
International Union of Immunological Societies, Primary Immunodeficiency
Diseases Committee

Papers presented in conference:

- **Al-Herz W.** Characteristics of Viral Infections in Primary Immunodeficient
Children. World Allergy Organization International Scientific Conference.

(Beirut, Lebanon 2019). Oral presentation.

Active participation conferences:

- The Isil Barlan Symposium on Primary Immunodeficiency 2018 (Istanbul, Turkey).
- The **14th Annual Meeting of The Lebanese Society of Allergy and Immunology** 2018 (Beirut, Lebanon).
- The Henry Kunkle Society Annual Meeting: 2019 (NY, USA)
- World Allergy Organization International Scientific Conference: 2019 (Beirut, Lebanon)

Dr. Dalia Al-Abdulrazzaq

Participation in

Ministry/Government activities

- Teaching
- Pediatrics Residency program KIMS – Teaching sessions/lectures
- Service Diagnostic
- Seconded to Mubarak Al-Kabeer Hospital – Pediatric Endocrinologist
- Seconded to Dasman Diabetes Institute – Pediatric Diabetologist

Advisory editor services for professional journals

- Kuwait Medical Journal
- Endocrinology & Metabolism International Journal
- Journal of Pediatric Endocrinology

Student Advisor:

- Director of Student Counselling and Guidance Office.
- 6th-year student mentoring during Pediatrics rotation 2-3 students/rotation (three rotations per year).

Contribution to committees in the Faculty of Medicine

- Faculty Development, Examination Committee and Teaching Committee (Pediatrics).

Dr. Majedah Abdul Rasoul

Participation in Ministry/Government activities:

- Participating as a member of the department council, Department of Pediatrics, Adan hospital
- Member of the Ethical Board Committee at Dasman Diabetes Institute
- Disorders of Sex development (DSD) Committee: Member

Teaching

Undergraduate:

- Phase III teaching: Facilitator PBL modules (6th year BMBsc students)
- Tutorials: 6th year students

- Co-ordinator for the Endocrine Module, Year 3
- Phase II teaching: Facilitator PBL
- Endocrine Module (Year 3)
- Renal Module (Year 4)

Postgraduate:

KIMS pediatric Board students

- Lectures
- Small group clinical teaching

Services as referee/ reviewer:

- Reviewer of 30 abstracts for the ISPAD Conference, October 2017
- Physical deviation and precocious puberty among school-aged children in Lushan city: An investigative study. For MPP. Feb 2018.

Active participation conferences and posters:

- 18th International Congress of Endocrinology. 1st– 4th December 2018, South Africa, Cape Town.

Contribution to committees outside the Faculty:

- Ethical Review Committee member: Dasman Diabetes Institute

Services:

- Consultant Pediatric Endocrinology in the Department of pediatrics in Adan Hospital. I do daily clinical rounds for our in-patients, run 1 clinics /week (diabetes) at the hospital.
- I take on call duties 10-15 nights per month.

Guest Editor:

- International Journal of Endocrinology

Student Advisor:

- 6th-year student mentoring during Pediatrics rotation 2-3 students/rotation (three rotations per year).

Committee Service

For Department of Pediatrics:

- Examination Committee - Member
- Social Committee- Member

Membership of Professional Societies:

- International Society for Pediatric and Adolescent Diabetes – ISPAD
- European Society for Pediatric Endocrinology – ESPE
- Kuwait Medical Society – KMS
- Kuwait Diabetes Society – KDS

Dr. Maysoun Al-Rushood:

Participation in Ministry of Health services:

Service Diagnosis:

- Allergist and Clinical Immunologist in Mubarak AL Kabir Hospital including, Inpatient consultation, PICU patient consultation, Allergy and clinical immunology outpatient clinic service.
- Diagnosis and Management of various immunodeficiency disorders and allergic diseases
- Involved in medical Boards

Undergraduate Medical students Teaching:

- Bedside Teaching for 6th year medical students
- PBL facilitator: (Phase III)
- MSD organizer: 6th year Medical students
- Co-ordinator of Pediatric orientation day
- PBL facilitator (phase II)

Postgraduate Teaching:

- Kuwait Board of Pediatrics (clinical tutor/invited lecturer and examiner)

Service as a Reviewer:

- BMC Medical Education: invited reviewer
- Annals of Allergy, Asthma and Immunology: invited reviewer

Active participation in conferences and posters:

- Second Pediatric Empowerment Day (04/2019): Chairperson of the first session
- Presented lectures in academic activities in the hospital:
 - Cow's Milk Protein Allergy in Children
 - Urticaria in Pediatrics

Contribution to Committees in The Faculty of Medicine:

The following committees in the department of Pediatrics:

- Teaching Committee: Member
- Examination Committee: Member
- Library Affairs Committee: Head

Contribution to Committees outside the Faculty of Medicine:

Member of the following committees in Mubarak Al-Kabir Hospital:

- Antibiotic Policy Review Committee
- Infection Control Committee: Until 2018
- Clinical Tutor in Kuwait Pediatric Board
- Invited Examiner in Kuwait Pediatric Board

Dr. Mohammad Ebrahim:

Participation in Ministry of Health activities

Seconded to Department of Pediatrics, Chest Disease Hospital. The following services are provided:

Consultant and head of the pediatric electrophysiology unit

- See in- and out-patients and receives consultations on patients with various arrhythmias including adults with congenital heart disease and pacemakers
- Accepts consultations throughout Kuwait
- Electrophysiology Lab - Pacemaker and ICD implantations, and arrhythmias ablations.
- Head of the Stress Lab at Chest Diseases Hospital

Teaching

Undergraduate

- Phase-III: PBL-Facilitator in “Pediatrics” (6th Year MD students).
- In hospital teaching for 6th year medical students.

Postgraduate

- Teaching ECG sessions for KIMS pediatric residents.
- Teaching pediatric cardiology members at Chest Disease Hospital.

Participation in conferences

Abbott IEPC Pediatric and Congenital Module for Arrhythmia Conference:

- Introductory Session Royal Brompton Hospital UK (4th - 5th October 2018)
- Bergamo Experience Italy (19th -20th December 2018)
- Beat As One Arrhythmia Conference – Cape Town, South Africa

Contribution to Committees

For Department of Pediatrics:

- Examination Committee
- Teaching Committee

Service as External Examiners outside Kuwait:

Contribution to committees outside the Faculty:

Prof Adekunle Adekile:

- Member Council of Centre for Arab Genomic Studies.
- Member Advisory Council Global Sickle Cell Disease Research Network.

- Co-Chairman Genotype-Phenotype Working Group of the Global SCD Research Network.
- Chairman, Nigerian Sickle Cell Disease Network.
- Coordinator of International Collaborative Study of Genetic and Environmental Modifiers of Chronic Leg Ulcers in Sickle Cell Disease.

Prof. M.Z. Haider:

- Member, American Society of Human Genetics.
- Member, European Society of Human Genetics.
- Member, Kuwait University Faculty Association.

Dr. Amal Al-Eisa

- Member of the Grievances committee at Ministry of Social Affairs since December 2016.

Dr. Wafaa Al-Qabandi:

- A member of the Royal College of Pediatrics and Child Health (UK) from 2004.
- A member of the Saudi Association of the Study of Pediatric Gastroenterology, Hepatology and Nutrition (SASPGHAN) from 2011.
- A member of the European Association for the Study of the Liver (EASL) from 2012.
- A member of the European Society of Pediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN) from 2013.
- A member of the American Association for the Study of Liver Diseases (AASLD) from 2013.

Dr. Majedah Abdul-Rasoul:

- International Society for Pediatric and Adolescent Diabetes – ISPAD
- European Society for Pediatric Endocrinology – ESPE
- Reviewed Abstracts for the Annual Scientific Meeting 2014
- Kuwait Medical Society – KMS
- Kuwait Diabetes Society – KDS

Dr. Maysoun Al-Rushood

- American Academy of Pediatrics: Fellow
- American Academy of Allergy, Asthma and Immunology (AAAAI): Member
- European Academy of Allergy and Clinical Immunology (EAACI): Member

CONCLUSIONS

The Department of Pediatrics continues to work hard towards achieving its objectives, especially of comprehensive innovations in medical education and assessment. Research output continues to be flourishing and innovative. The department's involvement in providing excellent services to the community remains outstanding. We continue to have faith that our department should grow as a leading Pediatric department in the region.

PATHOLOGY

INTRODUCTION

The department of Pathology provides the bridge between basic medical science and the clinical sciences. As the custodian of the scientific basis of modern medicine the department guides students of medicine, dentistry, pharmacy and allied health professions to an understanding of the scientific basis of health and disease. The department strives to stimulate students' curiosity and imagination, and challenges them to contribute to the advancement of knowledge in clinical, translational and basic scientific research relevant to medicine.

The staff of the department comprise highly qualified, very experienced staff who are dedicated to the advancement of teaching, clinical practice and research that should enhance the practice of medicine in Kuwait.

a) **Objectives of the department program**

Mission:

1. To lay a strong scientific and translational foundation on which sound clinical judgment and management can be built.
2. To lead education and clinical services through innovation and scientific discovery
3. To stimulate our students to undertake research and be life-long learners.

The broad objectives of the department are to:

- Support and lead scientific research at Faculty of Medicine through provision of scientific expertise and clinical laboratory support to the scientific efforts at the Faculty of Medicine.
- Provide the highest quality education, training and research experience for medical students, graduate students, and resident doctors..
- Develop and support modern educational programmes for medical students, graduate students, and resident doctors laboratory physicians and clinicians
- Attain National, Regional and International recognition by providing full and comprehensive range of educational, clinical and laboratory services.

b) **Obstacles to meeting these objectives**

1. Staff shortage: The clinical Biochemistry Unit currently has only one academic staff member resulting in strain on delivery of educational and clinical services.

2. Insufficient technical staff: There are currently only seven technical staff serving 6 units within the department.
3. Poor salary for technical staff: This is probably related to (2) above as it is difficult to attract qualified personnel with the current levels of remuneration for technical staff.
4. Insufficient laboratory space: This is hampering delivery of high quality of research and laboratory services.

c) **Current developments**

The department is tackling some of the issues that are problematic with achieving the goals of the department. One of these issues is Laboratory space. As the department does not have enough laboratories, it is important that the laboratories function as one research/teaching unit and conversion of the laboratories into shared facilities is the way to resolve the problem. The department's laboratories now operate as one unit of shared facilities with a laboratory director who is currently Professor Olusegun Mojiminiyi. The shared laboratories director is responsible for making sure that all specialist laboratories in the department run according to the standards of Good Laboratory Practice (GLP). Available methods and expertise are the responsibilities of the academic staff and heads of specialty units.

The laboratories are organized into specialties as follows:

- 1) Clinical Biochemistry Shared Facilities Laboratories
- 2) Cytopathology Shared Facilities Laboratories
- 3) Haematology Shared Facilities Laboratories
- 4) Human Genetics Shared Facilities Laboratories
- 5) Histopathology Shared Facilities Laboratories
- 6) Molecular Medicine Shared Facilities Laboratories

Laboratory equipment are now (re)located into the appropriate specialty shared facilities laboratories for easy access to all academic staff and graduate students. The Laboratories are being prepared for national and International accreditation. Easily accessible Standard Operating Procedures (SOPs) have been/are being written and graduate students and/or technicians who use the equipment are being trained. All technicians are being trained to use each of the equipment available in the department regardless of the area of main expertise. Arrangements have also been completed for technicians to be trained in various techniques available in the Research Core Facility (RCF).

The department is planning to expand its research base through the recruitment of suitably qualified post-doctoral fellows as well as graduate students.

MANPOWER

Faculty Members

Professor and Chairman

Dr. Olusegun Ademola Mojiminiyi, MBBS, D.Phil, FRCPath; EuSpLM; FACB
[Clinical Biochemistry]

Professors

Dr. Abdullatif A. Al-Bader B.Sc., M.Sc., Ph.D
[Cellular Pathology]

Dr. Fahd R. Al-Mulla, B.Sc., BMBCh., Ph.D., FRCP(Edin)
[Non-Clinical, Molecular/Histopathology] [Leave of Absence]

Dr. Kusum Kapila, MBBS, MD, FIAC, FRCPath, FAMS, FICPath
[Cytopathology]

Associate Professors

Dr. Dilip K. Das, MBBS, MD, PhD, D.Sc, FRCPath, MIAC, MAMS, FICPath
[Cytopathology]

Dr. Issam M. Francis, BMBCh, M.I.A.C., F.R.C.Path.
[Histopathology]

Dr. Mohamed A. Elfawal, MBBCh, MSc, PhD
[Forensic Pathology]

Dr. Rajaa A.R. Marouf, BMBCh, D.C.P., FRCPath
[Haematology]

Dr. Rola Ali, MD, FRCPC
[Histopathology]

Dr. Salah A.Y. Al-Humood, BMBCh, FRCP(C)
[Haematology] [Sabbatical Leave]

Dr. Suad M. Abdeen, BMBCh, D.C.P., M.Sc., D.I.C., FRCPath.
[Histopathology]

Assistant Professors

Dr. Abeer Al-Abdallah BSc, MSc, PhD
[Histopathology]

Dr. Ahmad Al-Serri, B.Sc, M.Res., PhD
[Molecular Pathology]

Dr. Bushra Y.A.H. Al-Ayadhy, BMBCh, D.C.P., PhD
[Non-Clinical, Molecular Pathology]

Dr. Dalal Abdullah Al-Mutairi B.Sc, M.Sc., PhD
[Molecular Pathology]

Dr. Dalal Mulla Ali, MB BCh, BAO, LRCPSI, FRCPC
[Haematology]

Dr. Lama A.M.I. Al-Faris, MBChB, FRCPath.
[Haematology] [Academic Leave]

Dr. Maamoun Al-Aynati, BMBCh, FRCP(C), FCAP
[Histopathology]

Dr. Rabeah Al-Temaimi, B.Sc, M.Sc., PhD
[Molecular Pathology]
Dr. Salah K. Al-Waheeb, BMBCh, FRCP(C), DABPath, FRCPPath, EBPPath
[Histopathology]

Teaching Assistants:

Ms. Altaf A.Y. Hasan, B.Sc, M.Sc.
Ms. Fatemah Al-Husaini B.Sc., M.Sc

Lab Physician:

Ms. Sitara AbdulSattar, M.B.B.S., DME. (Diploma in Medical Education)

Clinical tutors (Seconded from Ministry of Health/Interior)

Dr. Amal Sulieman Khamis, B.M.B.Ch., FRCPPath
[Haematology]
Dr. Hanan Al-Awadhy, BM BCh, FRCP(C)
[Haematology]
Dr. Hanan Al-Wazzan, MBChB, FRCPPath
[Haematology]
Dr. Najat Rouh Aldeen
[Haematology]
Dr. Ramesh Pandita, MBBS, MD
[Haematology]
Dr. Reem Fouad Al Salem
[Haematology]
Dr. Samia Abdel Salam
[Haematology]
Dr. Sheikha Muharab, BM BCh, FRCPPath
[Haematology]

Dr. Anwar Al-Anjery MBBCH
[Clinical Biochemistry]
Dr. Aravinda Rao, MD., FRCPPath.
[Clinical Biochemistry]
Dr. Fatma Safar
[Clinical Biochemistry]
Dr. Girish Kumar Yadav, MBBS, FRCPPath.
[Clinical Biochemistry]

Dr. Aysha Al-Jassar, M.B.Ch.B, D.A.B.Path
[Histopathology]
Dr. Bahiya Ibrahim Haji, MBBCh, MSc.

[Cytopathology]

Dr. Fatma J. Mothafar, BM BCh, FRCP(C)

[Histopathology]

Dr. Mrinmay Kumar Mallick, MBBS, MD

[Cytopathology]

Dr. Nabeel Al-Brahim, BM BCh, FRCP(C), FCAP

[Histopathology]

Dr. Rana Abdulghani

[Histopathology]

Dr. Mohamed EssamEldin Abdul-Aziz El-Sheikh, MD

[Forensic Medicine]

Dr. Noura Ali Alomair

[Forensic Medicine]

Dr. Tawfik Hassan Tawfik

[Forensic Medicine]

Visiting Professors and external examiners:

Prof. Paul O. Collinson

Professor of Cardiovascular Biomarkers

St. George's Hospital Medical School,

St. George's University of London, U.K.

(External examiner – 23.6.18 – 28.6.18)

M.Sc students:

1. Beshayer Al-Shammari

Ph.D Student:

1. Iman Jahanbani
2. Reem Al-Shammari

SUPPORT STAFF

Scientific/Research Assistants:

Scientific Assitants:

Mr. Waleed K. Al-Ali, B.Sc (MLS)

[Molecular Pathology]

Ms. Hadeel Mohamed Fawaz Elmuzaini, B.Sc., M.Sc

[Haematology]

Ms. Sara Shirly George, B.Sc., M.Sc., Ph.D

[Cytopathology]

Ms. Sunila George, B.Sc., M.Sc., PhD
[Clinical Chemistry]

Technicians

Ms. Leela Kurian, B.Sc.
[Chief Technician]
Ms. Rasha Abdullah Najem Abdullah, B.Sc. (MLS)
[Chief Technician]
Ms. Sicy Esow, B.Sc., MLT
[Haematology]
Ms. Bency John, B.Sc., M.Sc.
[Histopathology]
Ms. Sindu Jacob, B.Sc., M.Sc.
[Molecular Pathology] [Resigned]
Ms. Jeena Prasanth, B.Sc, M.Sc
[Histopathology]
Mr. Taxy Jacob, B.Sc., M.Sc
[Human Genetics]
Ms. Hawraa Adel Mohammad B.Sc
[Clinical Chemistry]

Secretaries

Ms. Sheela Harish Chandran, B.Sc.
Ms. Rani Devasia Puthucherry, B.Sc, MCA.

Others:

Nil

Student help:

Nil

STAFFING CHANGES:

Appointment:

1. New staff appointed:
Nil

Non- Academic

Ms. Hawraa Adel Mohammad

2. Promotion:
Nil

3. Resignation:
Academic - Nil

Non-Academic

Ms. Sindhu Jacob

4. **Sabbatical**
Study Leave –

Prof. Fahd Al-Mulla
Dr. Salah Al-Humood
Dr. Lama Al-Faris

TEACHING IN THE DEPARTMENT PROGRAM

Faculty of Medicine

a. **Phase II (2nd, 3rd & 4th) teaching:**

Lectures	:	112	
Tutorial	:	20	
Practical	:	80	___

Total hours given to
Students per year : 209

No. of Students : 149- 2nd: 142- 3rd: 141- 4th:

Overall Coordinator : Dr. Issam Francis

b. **Phase III (5th, 6th & 7th):**

Total hours given to
Students per year : 58

Course Coordinator : Dr. Dilip K. Das

c. **Graduate Teaching (M.Sc)**

Lectures	:	68 hours
Practicals	:	68 hours

Total teaching hours per year: 136 hours
Program Director: Prof. Kusum Kapila

Course Coordinators:

Basic Laboratory Medicine 502 :	Dr. Abeer El Abdullah
Immunopathology 506 :	Dr. Abeer El Abdullah
Diagnostic Cancer Research 507 :	Dr. Rola Ali
Biology of Disease 501 :	Dr. Dilip K. Das
Experimental Cancer Research 508 :	Dr. Dilip K. Das
Advanced Lab Medicine III 505:	Dr. Rajaa Marouf
Applied Cell Biology 522 :	Dr. Maamoun Al-Aynati
Systemic Pathology 521 :	Prof. Kusum Kapila
Advanced Lab Medicine I 503 :	Dr. Issam Francis
Study and Diagnosis of Human Pathologies with Primary Genetic Techniques 511 :	Dr. Ahmad Al-Serri
Recent Advances in Related Research Topics 516 :	Thesis Supervisor

Thesis Supervision : Dr. O.A. Mojiminiyi
Dr. Abeer El Abdullah

d. **Postgraduate teaching (PhD):**

Molecular Pathology of Cancer :	Dr. Bushra Al-Ayadhy
Molecular Pathology :	Dr. Bushra Al-Ayadhy
Experimental Pathology :	Dr. Issam Francis
Thesis Supervision :	Prof. O.A. Mojiminiyi
Program Director :	Prof. Kusum Kapila

e. **Postgraduate teaching (FRCPath)**

Training Units	Seminars/tutorials	Practicals/bedside teaching
Histopathology	200 hrs/year	800 hrs/year
Clinical Chemistry	200 ,,	800 ,,
Haematology	200 ,,	800 ,,

Heads of Training Unit:

Dr. Rajaa Marouf : Haematology

II. Other Faculties

Faculty of Pharmacy:

Lectures : 17 hours

Tutorials : 0

Practicals : 0 hours

Total teaching hours per year : 17 hours

No. of students : 55

Course :

1. Pathophysiology 331 : 8 Dr. Abeer Abdullah
2. Pathophysiology 332 : 9 Dr. Abeer Abdullah

IV. Student Advisors

Student Advisors	No. of Students
Dr. K. Kapila	5
Dr. D.K. Das	5
Dr. Issam Francis	5
Dr. O.A. Mojiminiyi	5
Dr. Bushra Al-Ayadhy	5
Dr. Rajaa Marouf	5
Dr. Salah Al-Humood	5
Dr. Suad Abdeen	5

RESEARCH AND PUBLICATIONS

1. Research

Funded

Dr. Abdullatif A. Al-Bader

Title : Role of Carnitine and Amino-Acids in the Etiopathogenesis of Type I Diabetes

in the experimental NOD Mouse Model

Funding : Kuwait University Research - RM02/15

Status : On-going

P.I : Dr. Abdullatif A. Al-Bader

CoI : Dr. Chacko Mathew, Dr. Majda Sabri Hammoud, Dr. Kamal Mohammed Al-Taïar

Contributors: Dr. Gianfranco Bottazzo, Dr. Suad Abdeen, Mr. Sunny Ojoko, Mr. Hossein Arefanian

Dr. Kusum Kapila

Title : Micro-RNA-146b-5p modulation of the cellular stress response in papillary thyroid cancer.

Funding : YM 03/18

Status : Ongoing

P.I : Dr. Abeer Al-Abdullah

CoI : Dr. Kusum Kapila

Dr. O. A. Mojiminiyi

Title : A study of the risk factors, determinants and prevalence of chronic obstructive pulmonary disease in the Kuwaiti population.

Funding: KFAS grant Project No PR 17-13 MM-0

Status : Ongoing

P I : Dr. S. Al Mutairi

CoI : Dr. O. A. Mojiminiyi

Title : The associations of genetic variants in the vitamin D metabolic pathway with vitamin D deficiency and peripheral neuropathy in subjects with Type 2 diabetes mellitus.

Funding: Kuwait University Research Sector Priority RM02-16

Status : Ongoing

Principal Investigator

Dr. Rajaa Marouf

Title : Biomarkers of Sickle Cell Nephropathy in Kuwait

Funding: Funded (MG 01/16)

Status: Completed

PI: Dr. Rajaa Marouf

Co-I: Prof. O.A. Mojiminiyi, Prof. Adekunle D. Adekile, Hadeel El-Muzaini, Rasha Abdullah

Title: Determination of vWF and ADAMTS-13 antigen and activity levels in patients with venous thromboembolism, and relating that to the presence of factor V Leiden mutation.

Funding: Submitted for funding (NM02/16)

Status: Completed

PI: Dr. Anwar Al Awadhi

Co-I: Dr. Rajaa Marouf, Mehrez Jadaon, Dr. Mohammad Al-Awadhi

Dr. Rola H. Ali

Title : Molecular alterations in gastrointestinal stromal tumors (GISTs): a case series from Kuwait Cancer Control Center.

Funding : Funded (MG02/15)

Status : Completed

P.I : Rola H. Ali

CoI : Abeer Al-Abdulla,
Shakir Bahzad

Title : Molecular pathogenesis of papillary thyroid cancer: the role of thyroiditis.

Funding : Funded (MG02/13)

Status : Completed

P.I : Abeer Al-Abdulla

CoI : Rola H. Ali

Title : BRAF V600E mutation in papillary thyroid cancer in Kuwait.

Funding : Funded (MG01/13)

Status : Completed

P.I : Abeer Al-Abdulla

CoI : Rola H. Ali

Dr. Rabeah Al-Temaimi

Title: Investigating the effects of genetic factors and sex hormone on multiple sclerosis sex-bias

Funding: Funded

Status: Completed

P.I: Rabeah Al-Temaimi

Co-I: None

Title: Multi-Parametric Testing of Immunological and Biochemical Markers of Osteoporosis in Postmenopausal Women

Funding: Funded

Status: Completed

P.I: Fawaz Azizieh

Co-I: Rabeah Al-Temaimi, O. A. Mojiminiyi, Khaled Al-Jarallah, Dia Shehab, R. Gupta

Title: Identification and characterization of rkip network in breast cancer metastasis: a focus on metalloproteinases

Funding: Funded

Status: On going

P.I: Fahd Al-Mulla

Co-I: Rabeah Al-Temaimi, Kim Yeung

Title: The Associations of Genetic Variants in the Vitamin D Metabolic Pathway with Vitamin D Deficiency and Peripheral Neuropathy in Subjects with Type 2 Diabetes Mellitus

Funding: Funded

Status: On going

P.I: O. A. Mojiminiyi

Co-I: Rabeah Al-Temaimi, Dia Shehab, Ahmed Al-Serri, Nabila Abdella

Dr. Ahmad Al-Serri

Title: Validation of novel InDels in the LPL gene locus identified by re-sequencing sample of Kuwaiti Arabs.

Funding: SL01/18

Status: On going

PI: Dr. Suzanne Al-Bustan

Co-I: Dr. Ahamd Al-Serri

Dr Abeer Al-Abdallah

PhD research project- Co-supervisor: Expression and role of mi-RNA in thyroid cancer.

Funded by research sector, project YM 08/15, and college of graduate studies.

PhD student: Miss Iman Jahanbani

Supervisor/Co-supervisor: Prof. Segun Mojiminiyi, Dr Abeer Al-Abdallah

MSc research project- Supervisor: Micro-RNA-146b-5p modulation of the cellular stress response in papillary thyroid cancer. Funded by research sector, project # YM 03/18, and the college of graduate studies.

MSc student: Miss Bashayer Mohsen

Supervisor/Co-supervisor: Dr Abeer Al-Abdallah/ Prof Kusum Kapila

Dr. Dalal Al-Mutairi

Title: Studying the genetics of congenital thoracic anomalies in consanguineous Kuwaiti families caused by cilia dysfunction

Funding: Funded

Status: On going

PI: Dr. Dalal Al-Mutairi

Co-I: Dr. Adel Ayde, Dr. Basel Al-Sabah, Dr. Bushar Al-Khaldi and Dr. Saleh Al-Mutairi

Un-Funded

Dr. Kusum Kapila

Title : ASCUS in Papanicolaou smears.

Funding : Unfunded

Status : Completed

Principal Investigator

Title : High risk human papillomavirus genotypes other than 16,18 and 45 account for the most predominant genotypes amongst women with abnormal cervical smear cytology residing in Kuwait.

Funding : Unfunded

Status : Completed

Principal Investigator

Title : Accuracy of axillary ultrasound findings in detection of metastases on fine needle aspiration cytology of primary breast carcinoma cases.

Funding : Unfunded
Status : Completed
Principal Investigator

Title : Cytohistological correlation of thyroid aspirates with a morphological diagnosis of Follicular Lesion of Undertermined Significance and Suspicious for follicular neoplasm or papillary carcinoma.

Funding : Unfunded
Status : Ongoing
Principal Investigator

Title : Pericardial fluid cytology: Diagnostic problems

Funding : Unfunded
Status : Ongoing
Principal Investigator

Title : Metastatic carcinomas to thyroid- A ten years review at Kuwait Cancer Center.

Funding : Unfunded
Status : Ongoing
Principal Investigator

Title : FNA of Pancreatic Adenocarcinoma

Funding : Unfunded
Status : Ongoing
Principal Investigator

Dr. Dilip K. Das

Title : Limitations in Fine Needle Aspiration Cytodiagnosis of Anaplastic Large Cell Lymphoma (ALCL): Contribution of Overlapping Cytomorphological Features between ALCL and Hodgkin Lymphoma. Funding: Unfunded

Status : Ongoing

P.I: Dilip K. Das

Co-I : Al-Ayanti M, Mallik MK, Inamdar N, George SA, John B, Al- Kanderi MG, Pathan SK.

Title : Hürthle Cell Metaplasia in Chronic Lymphocytic Thyroiditis: Role of Age Factor

Funding: Unfunded
Status : Completed
Principal investigator: Dilip K. Das

Dr. Rola Ali

Title : Experience of ALK/ROS1/PDL1 testing in lung cancer in Kuwait: a study from Kuwait Cancer Control Center

Funding : Unfunded

Status : Initial stages

Principal Investigator

CoI: Shakir Bahzad

Title : Experience of BRCA1 and BRCA2 genetic testing in breast cancer in Kuwait: a study from Kuwait Cancer Control Center

Funding : Unfunded

Status : Initial stages

Principal Investigator

CoI: Shakir Bahzad

2. Publications

Dr. Kusum Kapila

1. **Kapila K**, George SS, George SA, Alramadhan BA, Sharma PN, Francis IM. Correlation of bronchoalveolar lavage and brushings with bronchial biopsy in the diagnosis of lung malignancies – Mubarak Al-Kabeer Hospital experience – **KMJ**. 2019; 51 :27-32
2. Al-Awadhi R, Al-Shaheen A, Al-Juwaiser A, George SS, Sharma P, **Kapila K**. Prevalence of Infectious Organisms Observed in Cervical Smears Between 1997- 2014 at Mubarak Al-Kabeer Hospital, Kuwait. **Sultan Qaboos Univ Med J**. 2018; 18:324-328.
3. Mallik MK, Alramadhan B, Dashti H, Al-Shaheen A, Al Juwaiser A, Das DK, George SS, **Kapila K**. Human papillomaviruses other than 16, 18 and 45 are the major high risk HPV genotypes amongst women with abnormal cervical smear cytology residing in Kuwait: Implications for future vaccination strategies. **Diagn Cytopathol**. 2018; 46:1036-1039.
4. **Kapila K**, Alath P, Hebbar GH, Jaragh M, George SS, Al Jassar A. Correlation of Ultrasound Findings and Fine-Needle Aspiration Cytology for the Diagnosis of Axillary Lymph Node Metastasis in Patients with Breast Carcinoma. **Acta Cytol** 2019; 63:17-22.

Dr. O. A. Mojiminiyi

1. Al-Bustan SA, Al-Serri A, Alnaqeeb MA, Annice BG, **Mojiminiyi O**. Genetic association of LPL rs1121923 and rs258 with plasma TG and VLDL levels. Sci Rep. 2019 Apr 3;9(1):5572. doi: 10.1038/s41598-019-42021-3. PubMed PMID: 30944368; PubMed Central PMCID: PMC6447523.
2. Abdella NA, **Mojiminiyi OA**. Corrigendum to "Vitamin D-Binding Protein Clearance Ratio Is Significantly Associated with Glycemic Status and Diabetes Complications in a Predominantly Vitamin D-Deficient Population". J Diabetes Res. 2018 Oct

- 22;2018:3016723. doi: 10.1155/2018/3016723. eCollection 2018. PubMed PMID: 30426020; PubMed Central PMCID: PMC6217751.
3. Rahman A, Al-Ta'ar A, Shaban L, Al-Sabah R, Al-Harbi A, **Mojiminiyi O**. Plasma 25-Hydroxy Vitamin D Is Not Associated with Either Cognitive Function or Academic Performance in Adolescents. *Nutrients*. 2018 Sep 1;10(9). pii: E1197. doi:10.3390/nu10091197. PubMed PMID: 30200421; PubMed Central PMCID: PMC6165454.
 4. Abdella NA, **Mojiminiyi OA**. Clinical Applications of Adiponectin Measurements in Type 2 Diabetes Mellitus: Screening, Diagnosis, and Marker of Diabetes Control. *Dis Markers*. 2018 Jul 5;2018:5187940. doi: 10.1155/2018/5187940. eCollection 2018. PubMed PMID: 30069271; PubMed Central PMCID: PMC6057311.
 5. Abdella NA, **Mojiminiyi OA**. Vitamin D-Binding Protein Clearance Ratio Is Significantly Associated with Glycemic Status and Diabetes Complications in a Predominantly Vitamin D-Deficient Population. *J Diabetes Res*. 2018 May 20; 2018:6239158. doi: 10.1155/2018/6239158. eCollection 2018. Erratum in: *J Diabetes Res*. 2018 Oct 22;2018:3016723. PubMed PMID: 29888290; PubMed Central PMCID: PMC5985098.
 6. Al-Serri A, Al-Bustan SA, Kamkar M, Thomas D, Alsmadi O, Al-Temaimi R, **Mojiminiyi OA**, Abdella NA. Association of FTO rs9939609 with Obesity in the Kuwaiti Population: A Public Health Concern? *Med Princ Pract*. 2018;27(2):145-151. doi: 10.1159/000486767. Epub 2018 Jan 23. PubMed PMID: 29402776; PubMed Central PMCID: PMC5968256.
 7. Jahanbani I, Al-Abdallah A, Ali RH, Al-Brahim N, **Mojiminiyi O**. Discriminatory miRNAs for the Management of Papillary Thyroid Carcinoma and Noninvasive Follicular Thyroid Neoplasms with Papillary-Like Nuclear Features. *Thyroid*. 2018 Mar;28(3):319-327. doi: 10.1089/thy.2017.0127. Epub 2018 Mar 2. PubMed PMID: 29378472.
 8. Abdella NA, **Mojiminiyi OA**. Cross-sectional study of the determinants and associations of sex hormone-binding globulin concentrations in first degree relatives (FDR) of patients with Type 2 Diabetes Mellitus. *Diabetes Res Clin Pract*. 2017 Nov;133:159-167. doi: 10.1016/j.diabres.2017.08.024. Epub 2017 Sep 5. PubMed PMID: 28950181.

Published Abstracts

July 29-August 2 2018. Annual Scientific Meeting of the American Association of Clinical Chemists, Chicago, IL, USA.

Mojiminiyi OA., Abdella N. Fractional Excretion of Vitamin D Binding Protein as a Novel Marker of Incipient Diabetic Nephropathy and Vitamin D Status in Subjects with Type 2 Diabetes Mellitus.

Dr. Dilip K. Das

1. **Das DK.** Functional State of Cells During their Life and on their Journey Toward Inactivity and Death: Search for Morphological Evidence in Thyroid Fine Needle Aspiration Smears. *J Cytol.* 2018;35:131-138. doi: 10.4103/JOC.JOC_43_18.
2. **Das DK.** Contribution of Immunocytochemistry to the Diagnosis of Usual and Unusual Lymphoma Cases. *J Cytol.* 2018;35:163-169. doi: 10.4103/JOC.JOC_42_18
3. **Das DK,** George SA, Mohammad T, John B, George SS, Behbehani AI. Papillary carcinoma in thyroglossal duct cyst: Diagnosis by fine-needle aspiration cytology and immunocytochemistry. *Diagn Cytopathol.* 2018;46:797-800. doi: 10.1002/dc.23968.
4. Mallik MK, Alramadhan B, Dashti H, Al-Shaheen A, Al Juwaiser A, **Das DK,** George SS, Kapila K. Human papillomaviruses other than 16, 18 and 45 are the major high risk HPV genotypes amongst women with abnormal cervical smear cytology residing in Kuwait: Implications for future vaccination strategies. *Diagn Cytopathol.* 2018;46:1036-1039. doi: 10.1002/dc.24035.
5. **Das DK.** Commentary. *J Neurosci Rural Pract* 2019;10:383-285
6. **Das DK.** Hürthle cell metaplasia in chronic lymphocytic thyroiditis: Role of age factor and review of literature on its molecular pathogenesis. *Diagn Cytopathol* 2019;47:475-481.

Dr. Rajaa Marouf

1. Adekile A, **Marouf R:** The Sub-Phenotypes of Sickle Cell Disease in Kuwait. Accepted in *Hemoglobin* 2019.

Dr. Rola Ali

1. Mohieldin A, Rasmy A, Ashour M, Al-Nassar M, **Ali RH,** El-Enezi FG. Efficacy and safety of crizotinib in patients with anaplastic lymphoma kinase-positive advanced-stage non-small-cell lung cancer. *Cancer Manag Res.* 2018 Nov;10:6555-6561.
2. Mohammad N, Haimes JD, Mishkin S, Kudlow BA, Leong MY, Chew SH, Koay E, Whitehouse A, Cope N, **Ali RH,** et al. ALK Is a Specific Diagnostic Marker for Inflammatory Myofibroblastic Tumor of the Uterus. *Am J Surg Pathol.* 2018 Oct;42(10):1353-1359.

Posters, 24th Annual Health Sciences Center Poster Conference, 12-14 March 2019

- Al-Wazzan M, Al-Ateeqi M, Jama H, Bahzad S, **Ali RH.** Assessment of the Diagnostic Impact of Glioma Reclassification Based on the 2016 WHO Integrated Molecular/Histological Classification System. (Ref ID 43, Poster # 130) → Won the award for the “Resident Category”
- Jahanbani I, Al-Abdallah A, Mehdawi H, **Ali R,** Al-Brahim N, Mojiminiyi OS. Contribution of elevated miR-146b-5p to papillary thyroid cancer diagnosis and development. (Poster # 127)

- Al-Abdulhadi N, Bastaki J, **Ali RH**. Myofibroma - a rare entity with frequent misdiagnosis. (Ref ID 179, Poster # 129)

Dr. Rabeah Al-Temaimi

1. Al-Mojel M, Alroughani R, Kannankeril T, Dashti M, Al-Temaimi R. *GP6* rs2304166 polymorphism is associated with response to natalizumab in multiple sclerosis patients. *Multiple Sclerosis and Demyelinating Disorders* 2019 **4**:2.
2. Al-Serri A, Al-Bustan SA, Kamkar M, Thomas D, Al-Smaidi O, **Al-Temaimi R**, Mojiminiyi OA, Abdella NA. Association of *FTO* rs9939609 with Obesity in the Kuwaiti Population: A Public Health Concern? *Med Princ Pract*. 2018, 27(2): 145–151.
3. **Al-Temaimi R**, Cherian P, Abu-Farha M, Alroughani R. Angiopoietin-like proteins in multiple sclerosis. *J Neuroimmunol*. 2019 May; 330:31-34.
4. Francis IM, **Altemaimi RA**, Al-Ayadhy B, Alath P, Jaragh M, Mothafar FJ, Kapila K. Hormone receptors and human epidermal growth factor (HER2) expression in fine-needle aspirates from metastatic breast carcinoma–Role in patient management. *J Cytol*. 2019, 36(2): 94-100.

Dr. Ahmad Al-Serri

1. Al-Serri A, Al-Bustan SA, Kamkar M, Thomas D, Alsmadi O, Al-Temaimi R, et al. Association of *FTO* rs9939609 with Obesity in the Kuwaiti Population: A Public Health Concern? *Medical principles and practice: International journal of the Kuwait University, Health Science Centre*. 2018; 27(2): 145-51.
2. Al-Bustan SA, Al-Serri A, Annice BG, Alnaqeeb MA, Al-Kandari WY, Dashti M. A novel LPL intronic variant: g.18704C>A identified by re-sequencing Kuwaiti Arab samples is associated with high-density lipoprotein, very low-density lipoprotein and triglyceride lipid levels. *PLoS one*. 2018; 13(2):e0192617.
3. Jasim AA, Al-Bustan SA, Al-Kandari W, Al-Serri A, AlAskar H. Sequence analysis of *apoa5* among the kuwaiti population identifies association of rs2072560, rs2266788, and rs662799 with TG and VLDL levels. *Frontiers in genetics*. 2018; 9:112.
4. Al-Bustan SA, Al-Serri A, Alnaqeeb MA, Annice BG, Mojiminiyi O. Genetic association of LPL rs1121923 and rs258 with plasma TG and VLDL levels. *Scientific reports*. 2019; 9(1):5572

3. Contributions:

a. Participation in Ministry/Government activities

Dr. Abdullatif Al-Bader

- Founder member, Bayt Abdullah Children's Hospice
- Executive Committee member, Kuwait Heart Foundation
- Search and Nomination Panel Chairman, Al-Sumait Prize, 2018 in the field of health.

- National Member of the Selection Panel, Al-Sumait Prize, 2018 in the field of health.

Dr. Kusum Kapila

- Consultant Cytopathologist, Mubarak Al-Kabeer Hospital
- Head of Cytopathology Laboratory, Mubarak Al-Kabeer Hospital.
- Consultant Cytopathologist, Hussain Makki Al-Juma Center for Specialized Surgery (HMJCSS)
- Member, Laboratory Council, Mubarak Al-Kabeer Hospital.
- Member of the Postgraduate Education Committee of the Faculty of Anatomic Pathology and Cytopathology, KIMS.
- Site Coordinator for Cytology, KIMS Program, Faculty of Anatomic Pathology and Cytopathology, KIMS
- Member, Group of Pathologists, Kuwait

Dr. O. A. Mojiminiyi

- Head of Unit, Clinical Biochemistry Laboratory, Mubarak Hospital
- Consultant in Clinical Biochemistry and Metabolism, Mubarak Hospital
- Consultant in the Lipid Clinic, Mubarak Hospital.
- Lectures and tutorials to Residents in Clinical Biochemistry, and Ministry of Health
- I teach the FRCPATH/KIMS Board trainees in Clinical Biochemistry, Haematology and Immunology

Dr. Issam Francis

- Head of Histopathology Unit, Mubarak Al Kabeer Hospital

Dr. Dilip K. Das

- Teaching of undergraduate and graduate students in the Faculty of Medicine, Kuwait University and Mubarak Al-Kabeer Hospital, Kuwait.
- Diagnostic services as consultant cytopathologist in Mubarak Al-Kabeer Hospital.

Dr. Rajaa Marouf

- Head of Hematology Unit, Mubarak Al Kabeer Hospital
- Member of Laboratory Council Committee, Medical Laboratories, Mubarak Al Kabeer Hospital (2006-Date).
- Participant in the training program that is run by the ministry for technical staff.

Dr. Rola Ali

- Seconded to the Cytogenetics Laboratory at Kuwait Cancer Control Center

Dr. Rabeah Al-Temaimi

- Kuwait Cancer Control Center (KCCC) **Risk Factors for Cancer Diseases in Kuwait: Challenges & Solutions** workshop talk entitled “Cancer as a genetic disease in Kuwait” December 15, 2018.

Dr. Dalal Al-Mutairi

- Seconded at Zain Hospital

b. Offices held in Professional Organizations

Dr. Kusum Kapila

- Member of Executive Council, International Academy of Cytologists 2010-2016 and 2016 – 2019.
- Member, Committee of Continuing Education and Quality Assurance of the International Academy of Cytology
- Editor, Newsletter, International Academy of Cytology
- Member of the International Academy of Cytology Membership Committee 2016-2019.
- Fellow, Royal College of Pathologists (UK)
- Fellow, International Academy of Cytologists
- Fellow, National Academy of Medical Sciences
- Member, American Society of Cytopathology
- Member, British Society for Clinical Cytology
- Member, Kuwait Medical Association
- Life Member, Indian Academy of Cytologists
- Life Member, Indian Society of Oncology
- Life Member, Indian Association of Pathologists and Microbiologists.
- Permanent member of National Advisory Council of the National Health and Family Welfare Foundation.

Dr. Dilip K. Das

- MEMBERSHIP AND FELLOWSHIP OF COLLEGE/ ASSOCIATION/ ACADEMY/ SOCIETY
 - International Academy of Cytology (Member)
 - Royal College of Pathologists, (U.K.) (Fellow)
 - Indian Association of Pathologists and Microbiologists (Life Member)

- Indian Academy of Cytologists (Life Member)
- Indian Society of Oncology (Life Member)
- National Academy of Medical Sciences of India (Life Member).
- Indian college of Pathologists (Founder Fellow)

Dr. Dalal Al-Mutairi

- Scientific Advisory board member of World Pathology Conferences (WPC)

c. Advisory editor services for Professional journals

Dr. Kusum Kapila

- Member, Editorial Advisory Board of Cytopathology (Official Journal of British Society for Clinical Cytology)
- Member, Editorial Advisory Board of Acta Cytologica
- Editorial Review Board, Cancer Cytopathology
- Editorial Board of Cytojournal
- Editorial Board of Journal of Cytology
- Editorial Board of Diagnostic Cytopathology
- Member, International Advisory Board of Sultan Qaboos University Medical Journal, Oman
- Advisory Board of Pancea, Journal of Medical Sciences, NKPSIMS
- Referee/reviewer –
 - Journal of Clinical Pathology
 - The National Medical Journal of India
 - Medical Science Monitor
 - European Journal of Surgical Oncology
 - Kuwait Medical Journal
 - Medical Principles and Practice

Dr. Dilip K. Das

i. Member Editorial Board:

- Acta Cytologica.
- Journal of Cytology

ii. Reviewer to International and National Journals:

- Acta Cytologica
- Diagnostic Cytopathology
- Analytical and Quantitative Cytology and Histology.
- Cancer (Cancer Cytopathology)
- Medical Principle and Practice
- Oral Oncology
- Respiratory Medicine
- Cytopathology

- European Journal of Pediatrics
- Expert Review of Anticancer Therapy
- Thyroid
- Cyto Journal
- Translational Oncogenomics
- Journal of Cytology
- Pediatrics International
- Kuwait Medical Journal
- Journal of Laboratory Physicians
- Advances in Otolaryngology
- International journal of Infectious Diseases
- Indian Journal of Pathology and Microbiology
- Indian Journal of Medical Research
- Lung India
- Journal of Neurosciences in Rural Practice
- Pathology Research International
- World Journal of Surgical Oncology
- APMIS
- Infectious Diseases

Dr. Rola Ali

- Peer review for Medical Principles and Practice journal, 5 manuscripts in 2018-2019

d. Participation in Professional Conferences

Dr. Kusum Kapila

- KIMS Care 2019. Kuwait, February 9-11, 2019.
- 2nd Kuwait Medical Laboratory and Ob/Gyn Conference. Kuwait, March 13-14, 2019.
- 24th Health Sciences Centre Poster Conference, Kuwait, March 12-14, 2019.
- 20th International Congress of Cytology. Sydney, Australia, May 5-9, 2019.

Dr. O. A. Mojiminiyi

- July 29-August 2 2018. Annual Scientific Meeting of the American Association of Clinical Chemists, Chicago, IL,, USA

Dr. Dilip K. Das

- 6th Annual Conference of the UP Chapter of Indian Academy of Cytologists (VI UP CYTOCON2018) at Meerut, Uttar Pradesh, India during 22nd and 23rd September,

2018 and delivered an oration entitled “Cytodiagnosis of Lesions Caused by Micro-Organisms”.

- 48th Annual Conference of the Endocrine Society of India (ESICON2018) at Bhubaneswar, Odisha, India during November 15-18, 2018 and presented a paper entitled “Hürthle Cell Metaplasia in Chronic Lymphocytic Thyroiditis: Role of Age Factor”.
- Participated in 24th Annual Health Sciences Center Poster Conference (12-14 March, 2019), Health Sciences Center, Kuwait and presented a paper entitled “: Limitations in Fine Needle Aspiration Cytodiagnosis of Anaplastic Large Cell Lymphoma (ALCL): Contribution of Overlapping Cytomorphological Features between ALCL and Hodgkin Lymphoma”.

Dr. Rajaa Marouf

- European Hematology Association, Kuwait, March, 2018. Chaired a session.
- Hemostasis conference, Kuwait, Jan 2019. Chaired a session.
- Service as external examiners outside Kuwait:

Dr. Rabeah Al-Temaimi

- 2019: GP6 rs2304166 polymorphism is associated with response to Natalizumab in multiple sclerosis patients from Kuwait, poster presentation. 7th Kuwait International Genetics Conference, Kuwait.
- 2019: An association study of genetic risk factors affecting multiple sclerosis prevalence in Kuwait, poster presentation. Health sciences center poster day, Kuwait.
- 2019: Adapting ACMG Incidental Findings gene panel in predictive/Diagnostic genetic testing in Kuwait, poster presentation. Health sciences center poster day, Kuwait.

Dr. Ahmad Al-Serri

- Winter institute of Statistical genetics at NYU Abu Dhabi (January 20-24, 2018)

Dr. Dalal Al-Mutairi

- Research mission funded by KFAS to University Children’s hospital, Muenster, Germany from 03-09 February 2019.
- Poster presenter in Gordon Research Conference on Cilia, Mucus and Mucociliary Interactions, Parga, Italy from 17-22 Feb. 2019. I was participated as a poster presenter and the poster was entitled “Identification of a splice site mutation in ARMC4 gene in Multiplex Kuwaiti family with severe chronic respiratory symptoms and randomization of left/right body asymmetry”.
- Academic mission funded by KU as a poster presenter in Personal Genomes: Accessing, Sharing and Interpretation at Wellcome Genome Campus Conference Centre, Hinxton, Cambridge, UK from 11-12 April 2019. The poster was entitled “Identification of a splice site mutation in DNA11 gene in Multiplex Kuwaiti family with severe chronic respiratory symptoms of PCD with situs solitus”.

e. Services as external examiners outside Kuwait

Nil

f. Contribution to committees in the Faculty of Medicine

Dr. Abdullatif Al-Bader

- Chief Mentor – Mentoring and new staff orientation committee, Department of Pathology

Dr. Kusum Kapila

- Chairperson, 24th HSC Poster Conference 2019.
- Member, Faculty Committee on Promotions, for the academic year 2018-2019.
- Member, Distinguished Teacher Award for Year 2018-2019.
- Program Director for the MSc and PhD programmes in the Department of Pathology.
- Member, Departmental Appointment and Contract Renewal Committee
- Member, Departmental Scholarship Committee
- Acting Chairperson, Department of Pathology on several occasions.

Dr. O. A. Mojiminiyi

- Chairman, Department of Pathology, Faculty of Medicine
- Convener, Appointments, Promotions and Contract renewal and Scholarship Committee
- Member of Mentoring Committee
- **Contributions to Teaching :** I gave several undergraduate and postgraduate lectures and tutorials. I also teach the FRCPath/KIMS Board trainees in Clinical Biochemistry, Haematology and Immunology.

Dr. Issam Francis

- Member of Phase III Examination Committee
- Appointments, Promotions and Contract Renewal (Academic & Non-Academic Staff) and Scholarship committee.
- Member Graduate program committee

Dr. Rajaa Marouf

- MSc Hematology course coordinator
- Appointments, Promotions and Contract Renewal (Academic & Non-Academic Staff) and Scholarship committee.
- Mentoring and New Staff Orientation Committee
- Convener, Resources and Appropriation committee

Dr. Suad Abdeen

- Member of Scientific Advisory Committee
- Member of departmental Academic Affairs Committee
- Member of departmental Mentoring and New Staff Orientation Committee
- Convener of departmental Cultural Affairs and Office Space Allocation Committee.

Dr. Rola Ali

- Overall Renal Module Coordinator, Sep 2017 to present (appointed by Vice Dean Academic)
- Chairperson of Staff-Student Consultative Committee, 2018- 2019 (appointed by Dean's Executive Committee)
- Judge for the 24th Annual Health Sciences Center Poster Conference, March 2019 (appointed by Vice Dean for Research & Postgraduate Studies)
- PhD Thesis Examination Committee: Expression and Role of miRNA in Thyroid Cancer by Iman Jahanbani, 30 May 2019 (appointed by Vice Dean for Research & Postgraduate Studies)
- Examination Committee, Phase II, Sep 2016 to present (appointed by Dean's Executive Committee)
- Instrument Committee, Sep 2017 - June 2019 (appointed by Dean's Executive Committee)
- PBL Coordination Group, Sep 2016 to present (appointed by Vice Dean Academic)
- Student advisor of 5 Phase III medical students, 2017-2020 (appointed by Vice Dean Academic)
- PBL Facilitator, Nervous Module, Sep 9 - Nov 8, 2018
- PBL Facilitator, Renal Module, Nov 11 to Dec 13, 2018
- Pathology Department representative for Nervous system module, Phase II, 4th year (Departmental)
- Pathology Department representative for Renal module, Phase II, 4th year (Departmental)
- Chairperson of Pathology Department Accreditation Committee, 2018-2019 (Departmental)
- Assistant Coordinator of OSPE Phase II- 3rd year (Departmental)
- Academic Affairs Committee (Departmental)
- Convener Library and Museum Committee (Departmental)

Dr. Bushra Al-Ayadhy

- Member of departmental Academic Affairs Committee
- Appointments, Promotions and Contract Renewal (Academic & Non-Academic Staff) and Scholarship committee.

Dr. Maamoun Al-Aynati

- Member of departmental Academic Affairs Committee
- Member of departmental Scientific Affairs and Research Projects Review Committee

Dr. Ahmad Al-Serri

- Faculty council member representing Assistant Professors, MSc and PhD programs in Pathology.

Dr. Salah Al-Waheeb

- Member of Library and Museum Committee, Department of Pathology

Dr. Lama Al-Faris

- Academic Affairs Committee (Assistance OSPE Co-ordinator)
- Scientific Affairs and Research Projects Review Committee

Dr. Dalal Mulla Ali

- Health and Safety Committee, health and safety officer
- Academic affairs committee, assistant foundation course coordinator
- Accreditation Committee, member
- Library and museum committee, member
- Shared facilities management committee, health and safety officer

Dr. Abeer Abdallah

- Member of the HSC Medical research committee (MRC).
- Member of the graduate program committee-MSc biomedical science
- Member of the RCF technical committee

Committees in Pathology Department

- Academic secretary, Pathology department
- Member of the Departmental Research Committee
- Member of the Departmental graduate program committee

g. Contributions to committees outside the Faculty

Dr. Kusum Kapila

- Member of FAHS Faculty promotion committee.
- Member, Postgraduate Education Committee, KIMS-Residency Training Programme in Anatomic Pathology and Cytopathology, Kuwait.
- Editor of CytoPaths. A communication of the International Academy of Cytology. Issue 100, Summer 2016. www.cytology-iac.com.

Dr. O. A. Mojiminiyi

- I teach the FRCPath/KIMS Board trainees in Clinical Biochemistry, Haematology and Immunology.

Dr. Rajaa Marouf

- Member, Kuwait Hematology Board, Kuwait Institute for Medical Specialization (KIMS), MOH, Kuwait.

Dr. Ahmad Al-Serri

- Working team in the Ministry of Health with Dr. Abdulrahman Al-Mutairi.

Dr. Abeer Abdallah

Teaching in other faculties: - Faculty of Pharmacy: Pathophysiology 331 (8 lectures), Pathophysiology 332 (9 lectures).

h. Presentations at Conferences

Dr. Kusum Kapila

Invited speaker:

- Case presentation in “Thyroid Slide Seminar on surprises and conundrums during the daily practice of thyroid cytopathology” in 20th International Congress of Cytology. Sydney, Australia, May 5-9, 2019.
- Case presentation in “Gynec Slide Seminar on glandular and Squamous lesions of the cervix/vagina” in 20th International Congress of Cytology. Sydney, Australia, May 5-9, 2019.

i. 24th Health Sciences Centre Poster Conference, March 13-15, 2018, Kuwait:

Dr. Kusum Kapila

- Balakrishnan M, Al Juwaiser AAA, George SS, Mallik Mk, **Kapila K**: Atypical Squamous Cells of Undetermined Significance: Interlaboratory comparison and human papillomavirus testing.
- Mallik MK, AlNasser A, Alali AA, Das DK, George SS, **Kapila K**: Classification of Endoscopic Ultrasound Guided Fine Needle Aspiration Cytology Samples from Pancreatic and Peri-pancreatic Mass Lesions Using The Standardized Pancreatobiliary Terminology proposed by the Papanicolaou Society of Cytopathology.

- Alath P, ElShazy N, Al Jassar A, El-Kabany M, AlmoghazyS, George SS, **Kapila K**: Follicular variant of papillary thyroid carcinoma with bone metastases - report of two cases and review of literature.
- Gupta R, AL-Jassar A, Aggarwal L, **Kapila K**: Synchronous Myxoid liposarcoma and Thyroid papillary carcinoma- A case report.
- Sharfudeen S, Amir T, Eskaf W, El-Sayed MG, Al-Jassar A, **Kapila K**: Rare Case of Collison Tumor of Thyroid With Parathyroid Adenoma- A Case Report.

Dr. Rola Ali

Posters, 24th Annual Health Sciences Center Poster Conference, 12-14 March 2019

- Al-Wazzan M, Al-Ateeqi M, Jama H, Bahzad S, **Ali RH**. Assessment of the Diagnostic Impact of Glioma Reclassification Based on the 2016 WHO Integrated Molecular/Histological Classification System. (Ref ID 43, Poster # 130) → Won the award for the “Resident Category”
- Jahanbani I, Al-Abdallah A, Mehdawi H, **Ali R**, Al-Brahim N, Mojiminiyi OS. Contribution of elevated miR-146b-5p to papillary thyroid cancer diagnosis and development. (Poster # 127)
- Al-Abdulhadi N, Bastaki J, **Ali RH**. Myofibroma - a rare entity with frequent misdiagnosis. (Ref ID 179, Poster # 129)

CONCLUSION

The slow but steady progress the department was making has stalled. The PBL based curriculum requires more staff yet the member of academic staff has dwindled. The University needs to realise that whereas its faculties may be equal than are at the same time different. The same yardstick of staff requirement cannot be used for liberal arts, social sciences, engineering and medicine. Requests for staff are based, in part, on the “Teaching load” which is a concept at odds within the new curriculum that is based on fewer lectures and didactic teaching. It is knowing a lot in a restricted field not little bits of every field that leads to true excellence in teaching, research and clinical services the stated desire of Kuwait University. The department continues to make excellent contributions to the mission and vision of the Faculty of Medicine and Kuwait University despite its limitations.

PHARMACOLOGY & TOXICOLOGY

INTRODUCTION

a) Objectives of the Department Programs

The objectives of the Departmental programs are as follows:

1. To equip our medical and dental students with a comprehensive, up-to-date and evidence-based knowledge of Pharmacology which will prepare them to become competent and knowledgeable future doctors. This involves teaching the subjects in a manner that emphasizes both strong basic science and clinical relevance in a problem-solving approach.
2. To train graduate students to acquire advanced theoretical and practical skills in the science of pharmacology in order to prepare them as future scientists who are able to conduct independent pharmacological research and to occupy positions in pharmaceutical industry, research institutions or academia.
3. To serve society by providing high-quality Therapeutic Drug Monitoring/Clinical Toxicology Service to all hospital in Kuwait, through our Toxicology Unit.

b) Obstacles to Meeting Objectives

1. Poor Funding:

Inadequate funding was a major obstacle that militated against the achievement of set objectives. This problem which has become more acute in the last 4 years has severely affected our ability to acquire new scientific equipments, consumables and chemicals needed for student training and research. Departmental budgets are hardly implemented year after year.

2. Staff Recruitment:

We have also had problems recruiting new academic and technical staff to replace those who resigned. This is because the University has severely reduced new appointments. The situation has had a limiting effect on the Department's ability to support and expand its graduate programs.

3. Staff Morale:

Lack of promotion and low salaries for technical and secretarial staff contributes to low morale which negatively impacts productivity.

c) Current Developments

1. Upgrade of our TDM/Toxicology Service:

This academic year, we received and installed the Orbitrap Triple Quad LC/MS/MS Analyzer for our Clinical Toxicology lab. We are currently optimizing and conducting pilot tests on the equipment preparatory to starting full scale Clinical Toxicology/Forensic analysis service once consumables are received from the Ministry of Health.

2. Staff:

This year we were able to recruit an Assistant Professor of Neuropharmacology and two technical staff who partly replaced some of those that resigned in previous years.

3. Ph.D. Curriculum:

We revised our Ph.D. Curriculum to solve some problems faced by students in the selection of core courses and electives.

d) Program achievements

Student engagement and success

Curriculum enhancement and development

The activities of the Department during this academic year went on smoothly in spite of the prevailing challenges. We have been able to fulfil our teaching commitments in line with our stated objectives of providing quality education to medical, dental and Allied Health Science students of the Health Sciences Center. The Department's new PhD program (now in its second year) has continued to make good progress, with three students currently enrolled – two in second year and one in first year. No new students were admitted for next academic year. In the M.Sc. program, one candidate is enrolled and two have been recommended for admission for next academic year. The Department also undertook the teaching of Molecular Pharmacology to graduate students from the Faculty of Pharmacy as well as graduate students of the Faculty of Medicine enrolled in the faculty-wide M.Sc. Biomedical Science Program.

Analysis of the performance of medical & dental students in Pharmacology questions in both the end-of-module and final exams show that performance has continued to be very good (81.8% pass rate).

Elective Courses for year IV students were revised this year with the introduction of 4 new topics. This resulted in 6 students registering for Pharmacology Electives compared with zero student last years.

MANPOWER

Faculty Members

Dr. C.I. Ezeamuzie	- B.Sc., Ph.D., Professor & Chairman Immunopharmacology
Dr. M.A. Oriowo	- B.Sc., Ph.D., Professor Cardiovascular Pharmacology

- Dr. M.S. Bitar - M.Sc., Ph.D., F.A.C.C.P., Professor,
Neuroendocrine Pharmacology.
- Dr. M. Yousif - B.Sc., M.Sc., Ph.D., Professor,
Cardiovascular Pharmacology
- Dr. S. Al-Sabah - B.Sc., Ph.D., Associate Professor,
Receptor Pharmacology
- Dr. A. Shihab-Eldeen - B.Sc., M.Sc., Ph.D., Assistant Professor,
Applied Pharmacology/Toxicology
- Dr. S. M. Karam - B.Sc., M.Sc., Ph.D., Assistant Professor,
Neuropharmacology
- Dr. M. Al-Fulaij - B.Sc., Ph.D., Assistant Professor,
Molecular Pharmacology/ Pharmacogenetics
- Dr. J. Al-Jaber - B.Sc. Pharmacy., M.Sc., Ph.D., Assistant Professor
Clinical Toxicology
- Dr. M. A. Ansari - B.Sc., M.Sc., Ph.D., Assistant Professor (*New Appointment*)
Neuropharmacology

Teaching Assistant

Ms. Batoul M. Makki, B.Sc., M.Sc., Pharmacology

Lab Physicians

Dr. Ghanim Al-Khaledi, M.D.

Clinical Tutors

Nil

External Examiner

Prof. Greame Henderson

School of Physiology & Pharmacology

University of Bristol, Bristol, UK

Visiting Professors

Nil

M.Sc. Students

-Ms. Hussa E. Al-Shahwn

Ph.D. Students

- Ms. Bashaier Al-Zaid
- Ms. Dina Jragh
- Ms. Neha Munawar

SUPPORT STAFF

Scientific Assistants and Research Assistants

- Ms. Bindu Chandrashekar, M.Sc., Scientific Assistant
- Ms. Elizabeth Philip, M.Sc., Scientific Assistant
- Ms. Lobna Adi, M.Sc., Senior. Research Assistant on project no. MR 01/15.
- Ms. Sussha Shaji George, B. Tech, Research Technician, Project No. MR 01/16

Technicians

- Dr. Saju Abraham, M.Sc, Ph.D, Chief Technician
- Mr. A. Cherian, B.Sc., Senior Technician
- Dr. Alia Anwar, M.B.B.S., Senior Technician
- Ms. Siby Anne Thomas, M. Pharm, Senior Technician
- Mr. Sibi Chacko, B.Sc., MBA, Senior Technician
- Ms. Elsie Oommen, M. Pharm, Technician
- Ms. Linu A. Varghese, M. Pharm, Technician
- Ms. Afnan Ali, BSc., Biological Researcher
- Ms. Alia Ezzo, Ph.D., Senior Lab Analyst
- Mr. Samsudin Mahaboob Ali, Lab Attendant

Secretaries

- Ms. Bincy A. John
- Ms. Elizabeth Joseph
- Ms. Hessa N. H. Alanbie

Technicians Seconded to the Department from MOH
Nil

STAFFING CHANGES

New Staff appointed

Academic Staff

Dr. Mubeen Ansari joined as Assistant professor of neuropharmacology on April 17th, 2019

Support Staff

- Ms. Afnan Ali joined the Department as a Biological Researcher in September 2018.
- Ms. Alia Ezzo joined the Department as a Senior Lab Analyst in February 2019.

Staff who resigned/left the Department

Scientific Assistant

Mr. Shibu J. Kurian resigned his position effective 31st October 2018.

Research Assistants

Ms. Mira Ali Bosso, M.Sc., Senior Research Assistant on project MR 01/14 completed the project and left the Department.

Ms. Emil Mary Anoop, M.Sc., Research Technician, Project No. KFAS 2012-130-201 resigned from her position effective March 2019.

On-going Staff Recruitment Exercise

Academic Staff

Dr. Mubeen Ansari was the only academic staff appointed this year. The other two candidates, Dr. P. Balakumar and Prof. Mohamed El-Mas who were also interviewed and recommended for appointment as Assistant and full Professor of Cardiovascular Pharmacology, respectively, were not appointed by the President.

Academic Support Staff

1. Teaching Assistant (advertised)
2. Clinical Instructor (advertised)
3. Lab Analyst (1 position -Under process)

TEACHING IN THE DEPARTMENT PROGRAM

1. FACULTY OF MEDICINE

a) Undergraduate Teaching

The bulk of the teaching activities of the Department is in the Phase II program. Teaching activities in the current academic year progressed smoothly. Academic staff members participated actively in the PBL sessions. As part of our contribution to teaching in the phase III program, we continued to take part in the Medical School Day (MSD) activities.

The Department was involved in teaching of Pharmacology to students of the Faculty of Allied Health Sciences.

The details of staff participation and teaching hours are as follows:

Phase II Program (Second, Third & Fourth Year Medical Students)

1. Musculoskeletal System Module

Lectures : 2 hrs

Learning Topic : 1 hr

Total teaching hours given
to students per year : 3 hours

- Lectures and Learning Topics given by Dr. S. Al-Sabah and Dr. S. M. Karam
- Departmental Module Coordinator: Dr. S. Al-Sabah

2. Infection and Immunology System Module

Lectures : 3 hrs

Total teaching hours given
to students per year : 3 hours

- Lectures given by Dr. M. Al-Fuliaj and Dr. S. M. Karam
- Departmental Module Coordinator: Dr. S. M. Karam

3. Endocrine Module

Lectures : 8 hrs

Learning Topics : 2 hrs

PBL Sessions : 28 hrs (4 hrs per week for 7 weeks)

Total teaching hours given
to students per year : 38 hours

- Lectures and Learning Topics given by Prof. M.S. Bitar, Prof. M.A. Oriowo and Dr. S. M. Karam
- Departmental Module Coordinator: Prof. M.S. Bitar
- PBL sessions facilitated by Prof. M.S. Bitar

4. Digestive System Module

Lectures : 3 hrs

Learning Topic : 1 hr

PBL sessions : 32 hrs (4 * 8 weeks)

Total teaching hours given
to students per year : 36 hours

- Lectures and Learning Topics given by Drs. S. Al-Sabah, A. Shihab-Eldeen & J. Al-Jaber
- PBL sessions facilitated by Dr. S. Al-Sabah
- Departmental Coordinator: Dr. J. Al-Jaber

5. **Foundation Block 2**

Lectures : 21 hrs

Total teaching hours given
to students per year : 21 hours

- Lectures given by Profs. M.A. Oriowo, M.S. Bitar, M. Yousif, Drs., S. M. Karam, S. Al-Sabah, M. Al-Fulaij and J. Al-Jaber
- Departmental Module Coordinator: Prof. M.A. Oriowo

6. **Respiratory System Module**

Lectures : 3 hrs
Learning Topics : 2 hrs

Total teaching hours given
to students per year : 5 hours

- Lectures and Learning Topics given by Profs. C.I. Ezeamuzie, Drs. S. Al-Sabah and M. Al-Fulaij
- Departmental Module Coordinator: Dr. M. Al-Fulaij

7. **Renal System Module**

Lectures : 1 hr
Learning Topic : 1hr

Total teaching hours given
to students per year : 2 hours

PBL Sessions : 40 hours (4 * 5 weeks * 2)

Total teaching hours given
to students per year : 42 hours

- Lectures and Learning Topics given by Prof. M. Yousif & Dr. A. Shihab-Eldeen.
- Departmental Module Coordinator: Prof. M. Yousif
- PBL sessions facilitated by Prof. M. Yousif

8. **Reproductive System Module**

Lectures : 2hrs

Total teaching hours given
to students per year : 2 hours

PBL Sessions : 28 hours (4 hrs per week for 7 weeks)

Total teaching hours given
to students per year : 30 hours

- Lectures given by Prof. M.S. Bitar & Dr S. Al-Sabah
- Departmental Module Coordinator: Prof. M. Yousif
- PBL sessions facilitated by Dr. J. Al-Jaber

8. **Cardiovascular System Module**

Lectures : 6 hrs

PBL Sessions : 84 hrs (4 hrs per week for 7 weeks * 3)

Total teaching hours given
to students per year : 90 hours

- Lectures given by Profs. M. A. Oriowo & M. Yousif
- PBL Sessions facilitated by Prof. M.A. Oriowo, Drs. S.M. Karam & M. Al-Fulaij
- Departmental Module Coordinator: Prof. M. Yousif

9. **Nervous System Module**

Lectures : 9 hrs

Learning Topics : 2 hrs

Total teaching hours given
to students per year : 11 hours

- Lectures and Learning Topics given by Drs. S. M. Karam & M. Al-Fulaij
- Departmental Module Coordinator: Dr. S. M. Karam

10. **Blood System Module**

Lectures : 2 hrs

Learning Topic : 1 hr

PBL Sessions : 20 hrs (4 hrs per week for 5 weeks)

Total teaching hours given
to students per year : 23 hours

- Lectures and Learning Topic given by Prof. M.A. Oriowo, Drs. J. Al-Jaber and Dr. A. Shihab-Eldeen
- PBL Session facilitated by Prof. M.A. Oriowo
- Departmental Module Coordinator: Dr. A. Shihab-Eldeen

11. **4 New Phase II Elective Courses for the current academic year**

1. Drug Treatment of Allergic Diseases
2. Angiotensin Peptides and Nitric Oxide in Cardiovascular Disease
3. Defining Drug Efficacy.
4. Drug Repositioning / Drug Repurposing

Through the use of interactive learning sessions and self-directed learning, these courses aim to provide detailed knowledge of a key student-selected advanced topic in pharmacology and toxicology. This is achieved through a mini-written project as well as a formal oral presentation in a topic of interest. The student chooses both the topic and the academic staff advisor.

6 students registered for 3 courses this academic year (3 weeks duration) and all the students passed the same.

Total teaching hours for 3 weeks this academic year for 2 hrs each twice a week

Prof. Mariam Yousif : 3 * 4hrs = 12 hrs (1 student)
Dr. S. Al-Sabah : 3 * 4 hrs = 12 hrs (3 students)
Dr. M. Al-Fulaij : 3 * 4 hrs = 12 hrs (2 students)

Total contact hours = 36 hrs

Course Coordinator:
Dr. Suleiman Al-Sabah

Phase III Medical School Day (MSD)

Dr. Mariam Yousif participated in the MSD activities of the Department of Medicine in the Dermatology Day.

Dr. Suleiman Al-Sabah participated in the MSD activities of the Department of Medicine in the 5th year MSD Respiratory.

Dr. S.M. Karam participated in the MSD activities for the Department of Psychiatry in the 'Sleep Disorders' session lecture entitled, 'Pharmacological therapy of insomnia'.

b) Graduate Teaching (M.Sc. & Ph.D.)

We currently have 3 Ph.D. and 1 M.Sc. students enrolled in our Graduate Program

New admissions

For the MSc program we received 5 applications for the 2019/20 academic year. Two candidates were recommended for admission into the program. There was no admission into the PhD program because the program has been suspended for one year to allow for the review of the curriculum

Graduate Students' progress report

1. Ms. Dina Jragh and Ms. Neha Munawar were successful in their qualifying examination and have started working on their Ph.D. projects. Prof. Bitar is Neha's main thesis supervisor.
2. Ms. Bashaier's Ph.D. project is progressing satisfactorily.
3. Ms. Hussa, M.Sc. student, has completed her bench work and is currently writing and hopefully the thesis should be ready very soon.

Prof. M.A. Oriowo was re-appointed as the Graduate Program Director (for both M.Sc. & Ph.D. Programs) for the 2019/2020 academic year.

Teaching Hours (M.Sc.)

Lectures + Practical	:	20 hours
Thesis Supervision	:	<u>360 hours</u>

Total teaching hours given to: 380 hours
students per year (M.Sc.)

M.Sc. Program Course Coordinators

<u>Co-ordinator</u>	<u>Course No.</u>	<u>Course Title</u>
Dr. S. Al-Sabah	PHTX 505	Molecular Pharmacology

Thesis supervision

Ms. Hussa E. Al-Shahwn	M.Sc. (Pharmacology)	Prof. M. Yousif (Main Supervisor)
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Ms. Noura Al Zamel M.Sc. (Molecular Biology) Dr. S. Al-Sabah
(Main Supervisor)

Thesis supervision (Ph.D.)

<u>Student</u>	<u>Degree</u>	<u>Thesis Supervisor</u>
Ms. Bashaier Al-Zaid	PhD (Pharmacology)	Prof. C.I. Ezeamuzie (Main Supervisor) Dr. S. Al-Sabah (Co-Supervisor)
Ms. Dina Jragh	PhD (Pharmacology)	Prof. M. Yousif (Main Supervisor) Prof. M.A. Oriowo (Co-Supervisor)
Ms. Neha Munawar	PhD (Pharmacology)	Prof. M.S. Bitar (Main Supervisor)

Teaching Hours (Ph.D.)

Thesis Supervision : 660 hours

Total teaching hours given to : 660 hours
students this academic year (Ph.D.)

Teaching contributions to M.Sc./Ph.D. Programs outside the Department

Dr. Suleiman Al-Sabah participated in teaching the Biochemistry Ph.D. course – Current Advances in Membrane Biochemistry 0540-605, 2 sessions.
Total teaching hours outside the Department (Ph.D.) = 6 * 1.5 = 9 hours

Dr. Shaima M. Karam participated in teaching the Anatomy M.Sc. course – Neurobiology 0560-541,3 lectures for 2 hours each.

Total teaching hours outside the Department (M.Sc.) = 6 * 1.5 = 9 hours

II. OTHER FACULTIES

The Department continued to contribute to teaching of General Pharmacology course to students of the Faculty of Allied Health Sciences. The details of staff participation and teaching hours are as follows:

- a) Undergraduate Teaching in the Faculty of Allied Health Sciences
General Pharmacology Course 0550-420

Total teaching hours given to: 11 hours
Students

Drs. S. Al-Sabah, S. M. Karam, M. Al-Fulaij and J. Al-Jaber contributed to teaching in this course.

The Faculty of Allied Health Sciences has been coordinating this course since academic year 2013-2014.

- b) Undergraduate Teaching in the Faculty of Science

Dr. Jaber Al-Jaber is seconded for teaching and coordinating the Forensic Toxicology (0496-402) course at Faculty of Science (Forensics Sciences undergraduate program).

RESEARCH AND PUBLICATIONS

Introduction

Research activities in the Department have continued to be strong during the academic year 2018/2019. Staff members were involved in 11 funded research grants either as PI or Co-I, with a total budget of KD 457,234/- representing a 26.9 % increase over the budget of 360,234/- for last academic year. Two of these research grants were for graduate student projects. In addition, two more graduate student research grant applications are under processing.

Research Funding

1. A study of the oxazolidinone Hydroxamic Acid Derivatives as Novel Inhibitors of leukotriene Biosynthesis
Funding : Kuwait University Research administration.
Project number: MR01/14
Status : On-going
Principal Investigator : **Prof. C. I. Ezeamuzie**
Co-Investigator : Dr. Oludotun Philip (Faculty of Pharmacy)
2. Investigating the impact of Homo-and Hetero-dimerization on signalling through the incretin receptors.
Funding : Kuwait University Research Administration - Graduate
Research Project No. YM 02/19
Status : on-going
Principle investigator : **Prof. C.I. Ezeamuzie**
Co-Investigator : **Dr. S. Al-Sabah**
Graduate student : Ms. Bashaier Al-Zaid (Ph.D. Pharmacology)

3. Perivascular adipose tissue dysfunction in hypertension: effect of losartan.
 Funding : Kuwait University Research Administration
 Research Project No. (MR 01/16)
 Status : on-going.
 Principal investigator : **Prof. M.A. Oriowo**
4. Identification and characterization of post-translational modifications in the Raf kinase inhibitory protein: Implication for a molecular-based therapy of breast cancer and non-healing diabetic wounds.
 Funding Agency : KFAS-2012-130-201
 Status : Completed in April 2019
 Principal Investigator : **Prof. M.S. Bitar**
5. A study of the effect of chronic hydrogen sulfide treatment in the corpus cavernosum of type-1 diabetic rat model.
 Funding : Kuwait University Research Administration
 Research Project No. (RP 03/16)
 Status : on-going.
 Principal investigator : Dr. Bedoor Qabzard (Faculty of Pharmacy)
 Co- investigator : **Prof. Mariam Yousif**
6. Investigation of the signaling pathways that contribute to vasodilator effects induced by the hydrogen sulfide donor GYY4137 in the mesenteric bed of STZ-diabetic rats.”
 Funding : Kuwait University Research Administration
 M.Sc. student project No. YM06/18
 Status : Submitted
 Principle Investigator : **Prof. Mariam Yousif**
 Co- investigator : Dr. Bedoor Qabzard (Faculty of Pharmacy)
 Graduate student : Ms. Hussa E. Y. M. AlShahwan (M.Sc. Pharmacology)
7. Characterization of the interplay between high density lipoprotein and renin angiotensin system in hypertension associated vascular remodeling.”
 Funding : Kuwait University Research administration
 Research Project number: MB 02/16
 Status : Ongoing
 Principle Investigator : Dr. Aishah Al-JarAllah (Dept. of Biochemistry)
 Co-investigator : **Prof. Mariam Yousif**
8. Molecular Determinants of Differential Signalling by the Human Incretin Receptors.
 Funding : Kuwait University Research Administration Project
 No. RM01/15
 Status : On-going
 Principal Investigator: **Dr. Suleiman Al-Sabah**

9. Analysis of the signaling properties of a dual incretin receptor agonist.
 Funding : Kuwait University Research Administration - Graduate
 Research Project (YP04/17)
 Status : on-going
 Principle investigator : **Dr. S. Al-Sabah**
 Co-investigator : Prof. Yunus Luqmani (Faculty of Pharmacy)
 Graduate Student: Ms. Noura Al Zamel (M.Sc. Molecular Biology)

10. Y-Chromosomal Single-Nucleotide Polymorphism (SNP) Analysis of Kuwaiti males for forensic applications.
 Funding : Kuwait University Research Administration
 Project (MR01/18)
 Status : on-going
 Principle investigator : **Dr. J. Al-Jaber**

11. The effect of metabolic surgery on the uncoupling proteins.
 Funding : External Institutions Project
 No. P11613MM06
 Status : On-going
 Co-investigator: **Dr. Suleiman Al-Sabah**

Publications

1. Qabazard B, **Yousif MHM**, Phillips OA. Alleviation of impaired reactivity in the corpus cavernosum of STZ-diabetic rats by slow-release H₂S donor GYY4137. Int J Impot Res. 2019; 31(2):111-118.
2. Akhtar S, Chandrasekhar B, **Yousif MH**, Renno W, Benter IF, El-Hashim AZ. Chronic administration of nano-sized PAMAM dendrimers in vivo inhibits EGFR-ERK1/2-ROCK signaling pathway and attenuates diabetes-induced vascular remodeling and dysfunction. Nanomedicine. 2019, 18:78-89.
3. **Bitar MS**, et al Hydrogen sulfide deficiency reduces muscle mass and functionality during diabetes: Implication for understanding sarcopenia and critical limb ischemia. Oxidative Medicine and Longevity (In Press).
4. **Bitar MS**. Diabetes impairs angiogenesis and induces cellular senescence by up-regulating thrombospondin-1-CD47-dependent signaling. Int J Mol Sci (In Press).
5. **Bitar MS**. Cellular and molecular mechanisms of impaired angiogenesis and delayed wound healing in type 2 diabetes: Amelioration using siRNA-Pluronic acid-based technology (In Press, 2018). Wounds: Background, Principles and Recent Research and Clinical Techniques. Publisher-Springer, Editor-Melvin A. Schiffman, M.D., J.D. (Books and Chapters)

6. Nizam, R, Al-Ozairi, E, **Bitar, MS**, Al-Mulla, F Caveolin-1 variant is associated with the metabolic syndrome in Kuwaiti children. Frontier in Genetics 9, 689, 2018
7. Al Madhoun A, Alkandari, S, Ali H, Carrio N, Atari, M, **Bitar, MS**, Al-Mulla, F Chemically define conditions mediates an efficient induction of mesodermal lineage from human umbilical cord – and bone marrow-mesenchymal stem cells. Cellular Programming 20, 9-16, 2018
8. **S Al-Sabah**, M Buenemann, C Krasel, Homo-and heterodimerization of the GIP receptor Naunyn-Schmiedeberg's archives of Pharmacology, 391, S69-S69, 2018

Departmental Seminar (Journal Club)

The following seminars were held during this academic year.

1. Prof. M. A. Oriowo
Title: “Trace Amine-Associated Receptor
2. Dr. Suleiman Al-Sabah
Title: “Molecular Pharmacology of the Incretin Receptors Part II
3. Munya Al-Fulaij
Title: “Increased Melatonin Signaling is a Risk Factor for Type 2 Diabetes

CLINICAL SERVICES

A. Therapeutic Drug Monitoring (TDM) and Toxicology Services

Our TDM laboratory has continued to provide high quality Therapeutic Drug Monitoring Services to all the hospitals in Kuwait. As in the previous year, the unit focused on anticancer, antiepileptic and immunosuppressive drugs. We are currently preparing to start the Clinical Toxicology service that will focus on detection of drugs of abuse or poisoning in general.

The total number of tests performed during the current academic year was 1157, a 18.5% decrease over the number for the previous year. The decrease was due to machine breakdown that occurred during part of the year. The detailed report has been submitted to the Ministry of Health. Quality assurance tests, assessed by external quality assurance (EAQ) schemes of LGC standard proficiency testing, UK, continued on a monthly basis and the results are very satisfactory.

HEALTH AND SAFETY ISSUES

With regard to health and safety situation the followings are the main updates:

- Presently in our department 7 Fume hoods are now under maintenance contract and are working properly.
- We have received 10 Chemical Safety Cabinets in our department.
- All flammable chemicals are now kept in the Safety Cabinets.
- The Air Purification unit located in the corridor of our department is presently not working. This has already been reported to the service department.
- The Chemical Smell log Book has logged noticeably less cases in this year 2018-2019 compared to the previous years.

CONTRIBUTIONS TO COMMUNITY SERVICE

a) Participation in Ministry/Government Activities

1. Toxicology Service Committee Members:

Prof C. I. Ezeamuzie (Co-ordinator)

Dr. Kamal Matar Obeid (Faculty of Pharmacy)

Dr. Jaber Al-Jaber

Drug Monitoring & Toxicology Service

Ministry of Health Hospitals.

2. Dr. Jaber Al-Jaber

Seconded to Ministry of Interior, General Department of Criminal Evidences Identification. (1 day per week).

3. Prof. M.S. Bitar

Seconded to Dasman Diabetes Institute Kuwait, one day per week.

b) Offices held in professional organizations

Nil

c) Advisory editor services for professional journals

Prof. C. I. Ezeamuzie

Member, Editorial Board, West African Journal for Pharmacology and Drug Research

Member, Editorial Board

Dr. Suleiman Al-Sabah

Member of the Editorial Board, Medical Principles and Practice

d) Active participation in professional conferences

1. Prof. C. I. Ezeamuzie
Hetero-dimerization of the Incretin Receptors*
Al-Zaid B, Al-Sabah S, Ezeamuzie C
24th HSC Poster Conference, Kuwait University, Kuwait. 12-14 March, 2019.
***Best PhD Poster Award, 2018/2019**
2. Prof. M.A. Oriowo
“Role of Calcium Sensitization in 5-Hydroxytryptamine-induced contraction of rat aorta with or without perivascular adipose tissue”. Mabayoje Oriowo, Aisha Jarallah, Elsie Oommen, Kuwait University, Experimental Biology 2019, Orlando, USA, 6th to 9th April, 2019.
3. Prof. Mariam Yousif
AlShahwan H, Chandrasekhar B, Anjilivilayil C., Qabazard B, Yousif MH. A Protective Role of The Hydrogen Sulfide Donor GYY4137 Against Diabetes-Associated Vascular Complications In Mesenteric Bed Of STZ-Diabetic Rats.
24th HSC Poster Conference. March 12-14, 2019. Poster ID: 197
4. Prof. Mariam Yousif, et al., Structure and mechanism of membrane proteins.
Biochemical Society Meeting. 2-3 August, 2018. Maple House, Birmingham, UK.
5. Prof. M.S. Bitar
Milad S. Bitar, Cellular and molecular mechanisms of impaired angiogenesis and delayed wound healing in type 2 diabetes: Amelioration using siRNA-Pluronic acid-based technology. Invited Speaker, 29th International Congress on Prevention of Diabetes and Complications (Diabetes Meeting 2018), Sept. 27-28th, 2018, Berlin, Germany
6. Dr. Suleiman Al-Sabah
Hetero-dimerization of the Incretin Receptors
Al-Zaid B, Al-Sabah S, Ezeamuzie C
24th HSC Poster Conference, Kuwait University, Kuwait. 12-14 March, 2019.
***Best PhD Poster Award**
7. Dr. Suleiman Al-Sabah
A detailed analysis of the signaling properties of a dual incretin receptor agonist.
Al-Zamel N, Al-Sabah S, Luqmani Y
24th HSC Poster Conference, Kuwait University, Kuwait. 12-14 March, 2019.
8. Dr. Suleiman Al-Sabah (Oral Presentation)
Impact of linker region between receptor and fluorescent protein on arrestin recruitment assay. 18th World Congress of Basic and Clinical Pharmacology, Kyoto, Japan, 1–6 July 2018.

9. Dr. Suleiman Al-Sabah (Oral Presentation)
Molecular Pharmacology of the Incretin receptors.
7th Kuwait International Pharmacy Conference, Kuwait, 5-7 March 2019.
10. Dr. Suleiman Al-Sabah
Member of the delegation for “The Study, design and Supervision for the Health Sciences Campus (HSC) Project – Sabah Al Salem University City – Kuwait University”. Study tour to campus/teaching hospital, research institutions, and colleges in San Francisco and Palo Alto California, USA. April 14th -21st, 2019.
- e) Service as external examiners outside Kuwait
Nil
- f) Contribution to Committees in the Faculty of Medicine
 1. Prof. C. I. Ezeamuzie
 - Chairman, Medical Pharmacology Exam Committee
 - Chairman, Department Appointment Committee
 - Coordinator, Toxicology Service Committee
 - Chairman, Department Scholarship Committee
 2. Prof. M.A. Oriowo
 - Member, Medical Pharmacology Exam Committee
 - Member, Department Appointment Committee
 - Director, Departmental Graduate Program Committee
 - Member, Department Scholarship Committee
 - Member, Higher Scientific Committee, FOM
 - Member, Animal Ethics Committee, FOM
 3. Prof. M.S. Bitar
 - Member, Departmental Graduate Program Committee
 - Member, Medical Pharmacology Exam Committee
 - Member, Department Appointment Committee
 - Co-ordinator, Department Research Committee
 4. Prof. M. Yousif
 - Member, Departmental Graduate Program Committee
 - Member, Department Research Committee
 - Member, Department Appointment Committee
 - Department Representative to Faculty Scientific Affairs Advisory Committee
 - Member, Department Scholarship Committee
 - Examiner, MSC thesis defense, Anatomy Department.
 - Member, Promotion Committee, Faculty of Pharmacy.

5. Dr. S. Al-Sabah
 - Member, Departmental Graduate Program Committee
 - Member, Departmental Appointment Committee
 - Member, Medical Pharmacology Exam Committee
 - Member, M.Sc. Biomedical Sciences Program Committee
 - Member of the Kuwait University Construction Program Delegation to San Francisco, USA. 14-20 April, 2019.
6. Dr. A. Shihab-Eldeen
 - Dept. Library Representative
 - Member, Department Budget Committee
7. Dr. S. M. Karam
 - Medical Pharmacology Chief Invigilator
 - Member, Department Budget Committee
 - Member, Department Scholarship Committee
 - Member, Phase II Examination Committee, years 2, 3 & 4
 - Member Organizing and Scientific Committees – 24th HSC poster conference.
8. Dr. M. Al-Fulaij
 - Member, Phase III Examination Committee
 - Member, Department Graduate Committee
 - Member, Department Research Committee
 - Coordinator, Department Budget Committee
 - Member, Department Scholarship Committee
 - Departmental Council Secretary
 - Coordinator, Dept. Seminars and Journal Club
 - Department's Liaison officer – Academic Accreditation FOM
9. Dr. Jaber Al-Jaber
 - Member, Toxicology Service Committee
 - Member, Department Research Committee
 - Coordinator of Medical Pharmacology Course/Exams
 - Department Safety Officer

g) Contribution to committees outside the Faculty

Dr. Jaber Al-Jaber

- Arab Society for Forensic Sciences and Forensic Medicine (ASFSSFM) (Forensic toxicology scientific committee member)

CONCLUSION

Overall, during the academic year 2018-2019, the Department of Pharmacology and Toxicology continued to fulfill its objectives in teaching, research and service. Highest quality of education in pharmacology and toxicology, appropriate for students at the undergraduate, graduate, and postgraduate levels has been provided. The department continued its commitments to provide high quality service to the community through the TDM/Clinical Toxicology service. The Department has used the available resources most efficiently.

Our future plans include:

- a) To continue to support the administration in order to implement the vision of the Faculty of Medicine.
- b) To hire more qualified young Kuwaiti staff members and provide them with appropriate training so that they can successfully continue the mission of the Department.
- c) Encourage staff to increase funded research projects and international collaborations.
- d) To improve our TDM/Clinical Toxicology service by developing new and unique clinical assays.
- e) To start providing toxicological screening service.
- f) To establish a poison centre in Kuwait University.

PHYSIOLOGY

Introduction.

Department of Physiology has two objectives, which are:

- a. Education and training of undergraduate and postgraduate students;
- b. Scientific research that is aimed to explore pathophysiological mechanisms involved in pathogenesis of diseases that represent a challenge to modern society.

The department teaches students of four faculties that belong to Health Science Centre (HSC): Medicine, Dentistry, Pharmacy and Allied Health Sciences. This includes:

1. Biology for health sciences, a course for 1st year HSC students;
2. Biophysics course to 1st year HSC students;
3. Foundation block, which is offered to 2nd year medical and dental students;
4. Eight Phase II System Modules (for the 3rd and 4th year students of medicine and dentistry).
5. Four elective courses for the fourth-year medical students;
6. Human Physiology course for the Faculty of Allied Health students;
7. Neuroscience course for the Faculty of Allied Health Physical Therapy students;
8. Exercise Physiology for the Faculty of Allied health students;
9. Contributes to cardiopulmonary rehabilitation course for the Faculty of Allied health students.
10. Systems Physiology course for the 2nd year Pharmacy students.

Details of these courses could be found below.

The department also runs 2 full-time graduate programs: M. Sc. and Ph.D. in physiology and contribute to 2 inter-departmental graduate programs: M.Sc. in Biomedical Sciences and M.Sc. in Molecular Biology. Currently we have 8 students enrolled in the M.Sc. program and 6 in the Ph.D. program. We offer more than 10 graduate courses to these students.

Scientific research in the department has produced results that were published in reputed international journals. The staff members run many funded and unfunded research projects

and all specialized research laboratories are actively engaged in research in addition to training graduate students.

In addition to academic staff members, six teaching assistant and two scientific assistants are employed in the department of Physiology; they are involved in various aspects of teaching including practicals, tutorials and remedial sessions.

Teaching Programs.

A. Undergraduate Physiology.

1. Biology Course for Pre-Professional Program.

Our department participated for few hours of teaching “Biology for Health Sciences” course, which is a part of the pre-professional program. This course is conducted in collaboration with staff from the departments of Microbiology and Biochemistry. A total of 186 students took this course in the current academic year.

2. Biophysics Course (No. 1400141) for Pre-Professional Program.

Three academic staff members from the Department (Biomedical Engineering Unit) participated in the teaching of Biophysics 3 credit hours course, which is a part of the pre-professional program for a total of 186 students in the current academic year.

3. Foundation block – Cellular and general physiology

This is a Faculty of Medicine based block for Phase II students (second year) that is delivered by basic sciences departments. Department of Physiology delivers lectures and tutorials on general and cellular physiology. These topics are important as a basic knowledge in order to follow physiology of the body systems, which is mainly taught in the modules during the 3rd and 4th year. There were 156 students taking this course during the current academic year.

4. System Modules.

The highest teaching load for the department is in delivering lectures, tutorials, PBL session and practical for the system modules in the phase 2 (3rd and 4th year) for Medical and Dental students. The following system modules were taught:

- Blood & lymph,
- Cardiovascular system,
- Respiratory system,
- Endocrine system,
- Musculoskeletal system,
- Nervous system
- Renal system
- Reproduction & Breast
- Digestive System.

5. Elective courses for Phase II.

The department offered four elective courses this academic year:

- Neurocardiology and Cardiovascular Regulation
- Introduction to Scientific Research in Physiology
- Assessment of the Respiratory System Functions
- Hormones and Behavior

6. Systems Physiology Course for Pharmacy students.

A total of 66 students from Faculty of Pharmacy took the Systems Physiology Course. This course provides them with basic knowledge on how body systems work.

7. Physiology courses for students from Faculty for Allied Health Sciences.

The department offered three courses and participates in one course to students in the Faculty of Allied Health. These include: Physiology (course# 0530- 152), Exercise Physiology (course# 0530- 362), Neuroscience (course# 0530-310) and Cardiopulmonary rehabilitation (Course# 0530-312).

B. Graduate programs.

(i) M. Sc. Program.

Currently there are 8 students in this program, of which three students have completed MSc program and defended theses during this academic year and 5 remained in the program for the next academic year. Three students were recommended for admission for the next academic year. In addition, a student that is enrolled in M.Sc. program in Biomedical Sciences is completing MSc thesis in the department at present.

(ii) Ph.D. Program

Department of Physiology delivers the oldest Ph.D. program in FOM and KU. This academic year two student was enrolled in addition to three senior students.

C. Research.

At present, there are 30 funded ongoing research projects in the department. In addition to that there are 6 unfunded research projects, which are mainly pilot studies. Results obtained from ongoing or completed research grants have been published in peer reviewed publications in international scientific journals. In addition to that one book chapter has been published during this academic year. Academic staff members and graduate students presented communications in international or local scientific conferences.

The department has also an active scientific seminars/journal club program. These seminars are a place where junior staff members and graduate students present their research ideas, which are then discussed by all members of staff. During this academic year seven scientific seminars and six journal clubs were presented

covering a variety of areas in contemporary research by staff and graduate students during the current year.

D. Conclusion.

This academic year was successful for the department. However, Department still faces severe problems due to a rigid and bureaucratic regulations in Kuwait University in regard to equipment purchase, research grants implementations and graduate students' admissions. New regulations are being introduced every now and then, impeding the ability to use funds that are pre-approved for a particular research and making procedures unnecessarily complicated and not transparent.

Yet, the department achieved steady progress in its academic pursuit during the current academic year. So, stated missions and broad objectives of the department were largely completed successfully.

ACADEMIC STAFF

1. Full time Faculty Members:

Dr. Zoran B. Redzic, MD, M.Sc., Ph.D.

Professor, General Physiology and Neurophysiology

Chairman of the Department

Dr. Naji.S. Al-Zaid, B.Sc., Ph.D.

Professor, Connective Tissue and Cell Biology

Dr. Waleed B. Shuaib, B.S., M.S., M.S., Ph.D.

Professor, Neurophysiology,

Director, OMICS-RU RCF, Health Sciences Center.

Dr. Maie D. Al-Bader, B.Sc., M.Sc., Ph.D.

Professor, Endocrine and Reproductive Physiology

Vice Dean Administration & Finance, Faculty of Medicine.

Dr. Jasem Ramadan Al-Kandari, B.Sc., M.Sc., Ph.D.

Associate Professor, Exercise Physiology and Metabolism

Vice President for Academic Support Services, Kuwait University.

Dr. Marian Turcani, M.D., Ph.D.

Associate Professor, Cardiovascular Physiology

Dr. Hameed Al-Sarraf, B.Sc., Ph.D.

Associate Professor, Blood-brain barrier and exercise physiology

Dr. Abdeslam Mouihate, B.Sc., M.Sc., Ph.D.

Associate Professor, Neuroimmunology

Dr. Fawzi Babiker, B.Sc., M.Sc., Ph.D.

Associate Professor, Cardiovascular Physiology

Dr. Andreas W. Henkel, B.Sc., Ph.D.
Associate Professor, Neurophysiology

Dr. Slava A. Malatiali, M.Sc., Ph.D.
Assistant Professor, Renal Physiology

Dr. Ali K. Bourisly, B.S., M.Sc., Ph.D.
Assistant Professor, Biomedical Engineering, Bio-imaging

Dr. Ali S. Shuaib, B.S., M.S., Ph.D.
Assistant Professor,
Director [Biomedical Engineering Unit]

Dr. Laila K. Habib, B.S., M.S., Ph.D.
Assistant Professor, Biomedical Engineering, Bio-imaging

Dr. Raed O.M. Al-Hawaj, Ph.D.
Assistant Professor, Cardiovascular Physiology

Dr. Salwa A.A. Abdullah, Ph.D.
Assistant Professor, Cardiovascular Physiology

Dr. Sonia M. Hashimi, Ph.D.
Assistant Professor, Neurophysiology

Dr. Noor Al-Sabeeh, Ph.D.
Assistant Professor, Gastrointestinal Physiology

Dr. Fatemah S. Safar, Ph.D.
Assistant Professor, General Physiology

Ph.D. Scholarship students:

Nil

2. **Teaching Assistants.**

Dr. Elham A.R. Ghadhanfar, M. Sc., Ph.D.

Ms. Maryam Mohammed A. Al-Awadi, M.Sc.

Ms. Shirin S. Mohammadi, M.Sc.

Ms. Aseel A. El-Farra, M.Sc.

Ms. Maryam Al-Quryyan, B.Sc., M.Sc.

Ms. Mai Abul, B.Sc., M.Sc.

3. **Lab. Physicians**

Nil

4. **Clinical Tutors.**

Nil

5. **Visiting Professors and External Examiners.**

Prof. Christopher Yeo,
Professor of Behavioral Neuroscience
University College London, UK

SUPPORT STAFF

1. **Research and Scientific Assistants.**

Ms. Mini M. Varkey, B.Sc., M.Sc.

Scientific Assistant.

Ms. Fara M. Nejad

Scientific Assistant

Ms. Ruqayyah Al-Hashem, B.E.

Biomedical Engineer

Ms. Grace Gejo, B. Tech.
Engineer, Biomedical Engineering Unit

Ms. Anju Devassy, B. Tech.
Engineer

2. **Technicians.**

Mr. Shaji Joseph, B.Sc., M.Sc.

Chief Technician

Ms. Susan Cherian, B. Sc., M.Sc., B.Ed.

Senior Technician.

Ms. Glory J. Alexander, B. Sc., B.Ed.

Senior Technician.

Ms. Nasreen S.A. M. Maleekah, B. Vet. Sc.
Technician.

Ms. Beena Joseph Sebastian, B.Sc.
Technician.

Ms. Deepa Varghese, B.Sc. M.Sc.
Technician

Ms. Bini Sreenesh, M.Sc.
Technician, Biological Researcher.

Ms. Amal Thomas, M.Sc.
Technician, Biological Researcher.

Ms. Sajida Tappa, B.Sc.
Technician, Biological Researcher

3. **Secretaries.**

Mr. Mohannad Abdullah Al-Ruwaili

APPOINTMENTS / RECRUITMENTS / PROMOTIONS / RETIREMENTS.

1. New Academic Staff / offered appointment

Dr. Noor Al-Sabeeh, Assistant Professor (joined after completing the scholarship).

Dr. Fatemah Safar, Assistant Professor (joined after completing the scholarship).

2. New Teaching Assistant/Laboratory/Research/Office staff appointed.

Ms. Bini Sreenesh, Technician, Biological Researcher.

Ms. Amal Thomas, Technician, Biological Researcher.

Ms. Sajida Tappa, Technician, Biological Researcher.

3. Promotions.

Nil.

4. Staff leaving the department.

Ms. Mariamma Varghese, Secretary (Retired).

GRADUATE STUDENTS:

M. Sc. Students:

Thesis supervision

i) IIIrd Year Students: [2015 -2018]

i) Mr. Hamed Hatem Al-Sadoun:

Dr. Hameed A. AlSarraf, supervisor

Prof. Maie Al-Bader, Co-Supervisor

Research Thesis Title: “Effect of Resistance Exercise on Local Sex Steroidogenesis in rat Skeletal Muscle”.

Funding:

Kuwait University

Status:

Ongoing

ii) IVth Year Students: [2014-2018]

i) Ms. Wafaa Bent Matar Al-Fadhli:

Prof. Maie Al-Bader, Supervisor

Prof. Narayana K., Co-Supervisor

Research Thesis title: “Notch signaling in intrauterine growth restriction in Rats: Is there a modulatory role for melatonin?”

Funding:

Kuwait University

Status:

Ongoing

ii) Ms. Faten Abdulla Abu Al-Hous:

Prof. Maie Al-Bader, Supervisor

Dr. Slava Malatiali, Co-Supervisor

Research Thesis title: “The role of sodium transporters in dexamethasone-induced programmed hypertension and the effect of melatonin.”

Funding:

Kuwait University

Status:

Submitted

iii) Ms. Zeinab Adel Sami:

Prof. Zoran B. Redzic, Supervisor

Dr. Marian Turcani, co-supervisor

Research Thesis title: “Rat astrocytes and brain pericytes: secretome profiles of cytokines and chemokines during anoxia.”

Funding:

Kuwait University

Status:

Completed- thesis defended.

Project No:

YM03/16

v) Ms. Eman Shaban Gouda:

Dr. Fawzi A. Babiker, Supervisor

Research Thesis title: “Involvement of antioxidants and anti-inflammatory in the protection of the heart against ischemia reperfusion injury.”

Funding:

Kuwait University

Status:

Completed – thesis defended

Project No:

YM13/15

iii) Final Year Students: [2012 – 2018]

i) Mr. Mohammed. S. Al-Qallaf:

Dr. Andreas W. Henkel, Supervisor
Prof. Zoran B. Redzic, Co-Supervisor

Research Thesis title: Ketamine effects on synaptic activity in dexamethasone-treated hippocampal neuron cells.

Funding:

Kuwait University

Status:

Completed, thesis defended.

v) Biomedical Science Program (Part-time) M.Sc. students:

i) Mr. Mohammed Ismail Mohd. Heyba:

Prof. Zoran B. Redzic

Research Title: Effects of erythropoietin signaling on viability of rat brain pericytes during oxygen glucose deprivation and recovery.

Funding:

College of Graduate Studies

Status:

Thesis submitted for evaluation.

Project No:

YM 05/16

7. Ph. D. Students.

i) Ms. Mariam Mohamed Awadhi:

Prof. Maie Al-Bader, Supervisor
Dr. Abdeslam Mouihate, Co-supervisor

Research Title: “The effect of progesterone on placental Nutrient Transporters in Dexamethasone-Induced Intrauterine Growth Restriction”.

Funding:

College of Graduate Studies,
Kuwait University YM/11/15

Status:

Thesis submitted for evaluation.

ii) Ms. Samah Ahmed Kalakh:

Supervisor: Dr. Abdeslam Mouihate

Co-supervisor: Prof. Maie Al-Bader

Research Title: “Impact of neuroactive steroids on remyelination during peripartum period in rats.”

Funding:

College of Graduate studies,
Kuwait University.

Project No.

YM02/16

Status:

Completed, thesis defended.

iii) Ms. Mai Abul:

Supervisor: Dr. Abdeslam Mouihate

Co-supervisor: Prof. Maie Al-Bader

Research Title: The Impact of prenatal exposure to synthetic glucocorticoid on rat brain’s cognitive function and plasticity during adulthood.

Funding:

College of Graduate studies &
Research Sector

Status:

Ongoing.

Project No.:

YM11/17

iv) Ms. Aisha Al Kouh

Supervisor, Dr. Fawzi Babiker

Co-supervisor: Prof. Maie Al-Bader

Research Title: The protection of the Diabetic heart against Ischemia-Reperfusion Injury: Potential Protection by some drugs.

Funding:

College of Graduate studies

Status:

ongoing.

v) Mr. Hamad Al-Rajhi

Supervisor, Dr. Hameed A. Al-Sarraf

Research Title: Investigating the effect of resistance Exercise on Inflammation and Trauma Recovery.

Funding:

College of Graduate studies

Status: Suspended due to insufficient engagement of the student.

vi) Ms. Rawan Muneer I.M. Barakat

Supervisor, Prof. Zoran Redzic

Research Title: Autocrine and paracrine signaling pathways that enable survival of neural cells in hypoxic rat brain.

Funding: College of Graduate studies
Research Sector (YM 05/18)

Status: Ongoing.

vii) Ms. Zeinab Samy

Supervisor, Prof. Zoran Redzic

Research Title: To be announced

Funding: To be announced

Status: Course work ongoing.

TEACHING

I. Undergraduate teaching

1. Faculty of Medicine

i) System modules

(a) Lectures	:	188 hours
(b) Problem Based Learning (PBL)	:	416 hours
(c) Tutorials	:	66 hours
(d) Practicals	:	20 hours

ii) Biophysics Course for Phase I - Course No. 1400141

Total teaching hours	-	48 hours
Coordinator:	-	Dr. Ali K. Bourisly

iii) Biology Course for Health Sciences Course No. 1420-143

Lectures:	-	12 hours
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iv) Introduction to Physiology (a part of the Foundation Block)

Lectures	-	36 Hours
Departmental Coordinator	-	Dr. Sonia Al-Hashimi

Total undergraduate teaching hours to Faculty of Medicine students: 786 hours

2. Other faculties of the Health Sciences Centre

i) Physiology for Faculty of Pharmacy students course no 530- 152

Lectures	-	36 Hours
Tutorials	-	Nil
Practicals	-	Nil
Course Coordinator	-	Dr. Slava A. Malatiali

ii) Physiology for Allied Health Sciences students Course no 530- 152

Lectures	-	45 Hours
Practicals	-	Nil
Course Coordinator	-	Dr. Hameed A. Al-Sarraf

iii) Exercise Allied Health Exercise Physiology II Course 530-362

Lectures	-	34
Practicals	-	
Course Co-ordinator	-	Dr. Hameed A. AlSarraf

c. Neurosciences for Allied Health students Course no 530- 310

Lectures	-	51
Practicals	-	
Course Co-ordinator	-	Dr. Andreas W. Henkel

d. Allied Health Course 530-312– Cardiopulmonary rehabilitation.

Lecture	-	16
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Practical	-	8
Total:	-	24
Departmental Coordinator	-	Prof. Zoran B. Redzic

Total teaching hours to other faculties this year: 190 hours.

II. Graduate teaching

A) M. Sc. program

Program Director: Dr. Abdeslam Mouihate

Program Committee: Prof. Zoran Redzic
Dr. Hameed A. Al-Sarraf
Dr. Andreas Henkel
Dr. Ali Bourisly

Compulsory - 21 Credit Hours.

Electives - 10 Credit Hours.

Total Course Credits - 31 Credit Hours

B) Ph.D. program

Program Director: Prof. Waleed B. Shuaib

Program Committee: Prof. Maie Al-Bader
Dr. Fawzi Babiker
Dr. Abdeslam Mouihate
Dr. Hameed Al-Sarraf

Compulsory - 13 Credit Hours.

Electives - 3 Credit Hours.

Total Course Credits - 16 Credit Hours.

Total teaching hours in graduate programs: 499 hours of didactic teaching and theses supervision.

RESEARCH AND PUBLICATIONS.

(4) Research Grants/Projects

(a) Funded.

1. Title: Impact of neuroactive steroids on remyelination during the peripartum period in rats.

Research Project No. YM02/16
Funding: Research Sector, Kuwait University
Status : Final report submitted.
Principal Investigator: Dr. Abdeslam Mouihate

2. Title: The impact of prenatal exposure to synthetic glucocorticoids on rat brain's cognitive functions and plasticity during adulthood. Research Project No. YM11/17

Funding: Research Sector, Kuwait University
Status : Ongoing
Principal Investigator: Dr. Abdeslam Mouihate

3. Title: A new model for resistance exercise in rats: measuring physiological parameters in sedentary and exercised rats.

Research Project No. MY02/17
Funding: Research Sector, Kuwait University
Status: On going
Principal Investigator: Dr. Abdeslam Mouihate

4. Title: Molecular pathogenesis of papillary thyroid cancer: the role of thyroiditis.

Funding: Research Administration Kuwait University
Grant Number: MG 02/13
Status: On going
Principal Investigator: Dr. Abeer Al-Abdallah -Dept. of Pathology, FOM,

- Co-investigator: Prof. Maie Al-Bader, Dept. of Physiology
5. Title: The Effect of Progesterone on Placental Nutrient Transporters in Dexamethasone-Induced Intrauterine Growth Restriction
- Funding: Research Administration Kuwait University
- Grant Number: YM 11/15
- Status: Ongoing
- Principal Investigator: Prof. Maie Al-Bader, Dept. of Physiology
6. Title: The role of sodium transporters in dexamethasone-induced programmed hypertension and the effect of melatonin.
- Funding: Research Administration Kuwait University
- Grant Number: YM 01/17
- Status: Ongoing
- Principal Investigator: Prof. Maie Al-Bader, Dept. of Physiology
- Co-investigators: Dr. Slava Malatiali - Dept. of Physiology,
Ms. Faten Abdullah Abu-Alhous - MSc Student –
7. Title: Notch Signaling in Intrauterine Growth Restriction in Rats: Is There a Modulatory Role for Melatonin?
- Funding: Research Administration Kuwait University
- Grant Number: YM 03/17
- Principal Investigator: Prof. Maie Al-Bader, Dept. of Physiology
- Co-investigators: Prof .Narayana Kilarkaje - Dept. of Anatomy,
Ms. Wafa Matar Alfadhli - MSc Student - Dept. of Physiology
8. Title: The Effect of Progesterone Administration on the Expression Of Metastasis Tumor Antigens (MTA1 and MTA3) in Placentas of Normal and Dexamethasone-Treated Rats
- Funding: Research Administration Kuwait University
- Grant Number: MY 01/17
- Principal Investigator: Prof. Maie Al-Bader, Dept. of Physiology

Co-investigators: Ms. Mariam Al-Awadi - Dept. of Physiology –

9. Title: Diabetes-induced alterations in DNA damage repair pathways and its modulation in the testis

Funding: Research Administration Kuwait University

Grant Number: RM01/12

Principal Investigator: Prof. Kilarkage Narayana - Dept. of Anatomy,

Co-investigators: Prof. Maie Al-Bader, Dept. of Physiology

10. Title: Influence of gender and hypothermia on the anti-contractile effect of perivascular adipose tissue in the rat aorta

Funding: Research Administration Kuwait University

Grant Number: YM07/09

Principal Investigator: Prof. Mabayoje Oriowo - Dept. of Pharmacology

Co-investigators: Prof. Maie Al-Bader, Dept. of Physiology

Ms. Yasmeen Rafique - MSc student, Dept. of Pharmacology

11. Title: The effect of prenatal exposure to dexamethasone on renal expression of glucose transporters in the rat fetus and off spring

Funding: Research Administration Kuwait University

Grant Number: MY02/16

Status: Ongoing

Principal Investigator: Dr. Slava Malatiali - Dept. of Physiology,

Co-investigators: Prof. Maie Al-Bader, Dept. of Physiology

Ms. Mariam Al-Awadhi – PhD student

12. Title: Vagus nerve involvement in the adaptation to increased environmental temperature.

Funding: RA Kuwait University

Grant Number: MY02/11

Status: ongoing
Principal Investigator: Dr. Marian Turcani

13. Title: The Protection of the Diabetic Heart against Ischemia-Reperfusion Injury: Potential Protective Pharmacological Strategies.
Funding: RS Kuwait University
Grant Number: YM 01/18
Status : Ongoing
Principal investigator: Dr. Fawzi Babiker
14. Title: Involvement of antioxidants and anti-inflammatory agents in the protection of the heart against ischemia reperfusion injury
Funding: RA Kuwait University
Status: Ongoing
Grant Number: YM 13/15
Principal investigator: Dr. Fawzi Babiker
15. Title: Ketamine effects on synaptic activity in dexamethasone-Treated hippocampal neuron cells
Funding: College of Graduate Studies
Status: Completed
Principal investigator: Dr. Andreas W. Henkel
Co-investigators: Prof. Zoran Redzic,
Mohammed S. Al-Qallaf, M.Sc. Student
16. Title: Personalized medicine for rare diseases: development of patient- specific induced pluripotent stem cell models for disease modeling and drug discovery
Funding: funded by L'Oreal-UNESCO for Women in Science Grant
Status: Ongoing
Principal investigator: Dr. Laila K. Habib, Dept. of Physiology, Kuwait University.

17. Title: Effects of erythropoietin signaling on viability of rat brain pericytes during oxygen glucose deprivation and recovery.
- Funding: Research Sector, Grant no YM 05/16.
- Status: Completed
- Principal investigator: Prof. Zoran Redzic
- Co-investigators: Mr. Mohammed Heyba (M.Sc. Student)
-
18. Title: Investigating the Effects of Histone Deacetylase Inhibitors on Cardiac Remodeling in a Transgenic Mouse model of Cardiac Troponin T Mutation-Induced Hypertrophic Cardiomyopathy
- Funding: Funded Research Initiation Grant (RIG)
- Status: Completed.
- Principal investigator: Dr. Salwa Abdullah
-
19. Title: Induced pluripotent stem cells to model neurodegenerative diseases: a tool for drugs development.
- Funding: KFAS
- Grant number: 03-1302-2012
- Status: Ongoing.
- Principal investigator: Dr. Hamad Yassen
- Co-investigator: Fahd Al-Mulla, Andreas W. Henkel and Saba Habibollah as external CoI
-
20. Title: Investigating the effect of resistance Exercise on Inflammation and Trauma Recovery.
- Funding: College of Graduate studies
- Status: ongoing.
- Principal Investigator: Dr. Hameed A. Al-Sarraf
- Co-Investigator: Dr. Abdeslam Mouihate
Hamad Al-Rajhi, Ph.D. student.

21. Title: Effect of Resistance Exercise on Local Sex Steroidogenesis in Rat Skeletal Muscle.
- Funding: Research Administration, Kuwait University
- Grant Number: YM 13/17
- Status: Ongoing
- Principal Investigator: Dr. Hameed A. AlSarraf
- Co-Investigator: Prof. Maie Al-Bader
Hamad Hatem Al-Sadoun, M.Sc. student.
22. Title: Identification of the toxic pathways induced by the mutant SOD1 Protein associated with canine degenerative myelopathy: a potential novel model for Amyotrophic Lateral Sclerosis.
- Funding: Kuwait Foundation for Advancement of Sciences (KFAS),
- Co-Investigator: Dr. Ali K. Bourisly
23. Title: Genomics, proteomics, and cellomics studies
- Funding: Research Sector, Kuwait University
- Grant Number: GM01-15
- Status: Ongoing
- Principal Investigator: Prof. Waleed B. Shuaib
24. Title: Brain Connectivity Patterns Based Emotional Impairment Analysis in Parkinson's disease Patients Using Wireless EEG Signals and Deep Learning Methods
- Funding: KFAS
- Status: Ongoing
- Principal Investigator: Abdullah Mutawa
- Co-investigator: Prof. Waleed B. Shuaib.
Ali K. Bourisly.

25. Title: Role of the Angiotensin II/ Angiotensin 1-7 Axis in Hyperthyroidism-induced Renal Hypertrophy

Funding: Funded

Status: Ongoing

Principal Investigator: Slava Malatiali

Co-investigator(s): Mabayoje A Oriowo

26. Title: Novel regulatory role of reactive oxygen species in modulating Src kinase activity in pulmonary hypertension

Funding: Kuwait University, Research Sector

Grant Number: MY01/19

Status: Pending Approval

Principal Investigator: Dr. Raed Al-Hawaj.

Co-investigator(s): Dr. Elham Ghadanfar

b. Projects - Unfunded on going.

1. Title: Prenatal inflammation and serotonin transporter.

Status: Ongoing

Principal Investigator: Dr. Abdeslam Mouihate

2. Title: Development and implementation of a Convolution Neuronal Network (CNN) for autonomous cell recognition.

Status: on going

Principal Investigator: Dr. Andreas W. Henkel

3. Title: Are bax and JNKs involved in inhibition of placental growth in Dexamethasone-induced intrauterine growth restriction in rats?

Principal Investigator: Prof Maie Al-Bader

4. Title: Developing an animal model for resistance exercise.
Status: On going
Principal Investigator: Dr. Hameed A. AlSarraf

5. Title : Redox regulation of Src kinase in pulmonary arterial hypertension
Status : on going
Principal investigator: Dr. Raed Alhawaj

6. Title: Potential role of ROS-induced deregulation of ferrochelatase in transferrin receptor-mediated remodeling in pulmonary artery smooth muscle cells in monocrotoline-induced pulmonary arterial hypertension
Status: on going
Principal investigator: Dr. Raed Alhawaj

7. Title: Development of image analysis software for automated analysis of physiological cellular parameters.
Status: on going
Principal investigator: Andreas W. Henkel

8. Title: Mechanisms of exocytosis in hippocampal synapses.
Status: on going
Principal investigator: Andreas W. Henkel

B. PUBLICATIONS.

a. Research papers: Full paper Publications

1. Kalakh S. and Mouihate A. (2019). Enhanced remyelination during late pregnancy: involvement of the GABAergic system. *Scientific Reports* 22;9(1):7728. 1-16.
2. Mouihate A., Kalakh S., Al-Mutairi R. and Alashqar A. (2019). Prenatal Inflammation Dampens Neurogenesis and Enhances Serotonin Transporter Expression in the Hippocampus of Adult Female Rats. *Medical Principles and Practice* DOI: 10.1159/000499658.
3. Abul M., Al-Bader M.D. and Mouihate A. (2019). Exposure to synthetic glucocorticoids during pregnancy alters the expression of p73 gene variants in fetal brains in a sex-specific manner. *Brain Research* 1707: 117-123
4. Identification of a New de Novo Mutation Underlying Regressive Episodic Ataxia Type I. Karalok ZS, Megaro A, Cenciarini M, Guven A, Hasan SM, Taskin BD, Imbrici P, Ceylaner S, Pessia M, D'Adamo MC. *Front Neurol.* 2018 Jul 25;9:587.
5. Commentary: A channelopathy mutation in the voltage-sensor discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia.
6. Hasan S, Hunter T, Hunter G, Pessia M, D'Adamo MC. *Front Cell Neurosci.* 2018 Jun 20;12:174.
7. Henkel, A.W., Al-Abdullah, L., Al-Qallaf, M.S., and Redzic, Z.B. (2019)
8. Quantitative determination of cellular- and neurite motility speed in dense cell cultures. *Frontiers in Neuroinformatics*, 13(15), DOI 10.3389/fninf.2019.00015.
9. Henkel, A.W., Mouihate, A., and Welzel O. (2019, submitted)
10. Delayed release kinetics of FM1-43 from hippocampal synapses reveal a sequential 'kiss-and-run' - 'full collapse fusion' mechanism.
11. Redzic, Z.B., Henkel, A.W., Heyba, M.I., Samy, Z.A.M., Al-Abdullah, L.A.A.D. (2019, submitted)
12. Viability and contractility of rat brain pericytes in conditions that mimic stroke; an in vitro study.
13. Ali K. Bourisly, Ali Shuaib; Sex differences in Electrophysiology: P200 Event-Related Potential Evidence; *Translational Neuroscience*. (Article)

14. Anna Abraham, Sarah Asquith, Halima Ahmed, Ali K. Bourisly; Comparing the Efficacy of Four Brief Inductions in Boosting Short-Term Creativity; Journal of Cognitive Enhancement. (Article)
15. Ali K. Bourisly, Ali Shuaib; Neurophysiological Effects of Aging: A P200 ERP Study; Translational Neuroscience. (Article)
16. Ali Shuaib, Ali K. Bourisly; Photobiomodulation Optimization for Spinal cord Injury Rat Phantom Model; Translational Neuroscience. (Article)
17. Sami Asfar, Ali Shuaib, Fatemah Al-Otaibi, Sora S Asfar, Narayana Kilarkaje."A New Technique to Induce Experimental Myointimal Hyperplasia" Medical Principles and Practice, 2018 (27)5: 415-419
18. Ali Bourisly, Ali Shuaib, Neurophysiological Effects of Aging: A P200 ERP Study. Translation Neuroscience (accepted 2018). 9(1):61-66 · June 2018
19. Ali Shuaib, Ali Bourisly, Photobiomodulation Optimization for Spinal Cord Injury Rat Phantom Model. Translation Neuroscience. Translational Neuroscience 9(1):67-71 2018
20. Ali Bourisly, Ali Shuaib, Sex differences in Electrophysiology: P200 Event-Related Potential Evidence. Translation Neuroscience (accepted 2018). 9(1):72-77 · June 2018
21. Jahja Kokaj, Ali Shuaib, Yagoub Makdisi, Remya Nair and Mathew Joseph. Femtosecond laser-based deposition of nanoparticles on a thin film and its characterization. Kuwait Journal of Science. (accepted 2018). Kuwait Journal of Science 45(4):37-45 · January 2018
22. Turcani M, Ghadhanfar E. Biphasic changes in spontaneous cardiovagal baroreflex sensitivity during passive hyperthermia. Sci Rep. 2019 Feb 22;9(1):2586. doi: 10.1038/s41598-019-39172-8.
23. Samy ZA, Al-Abdullah L, Turcani M, Craik J, Redzic Z. Rat astrocytes during anoxia: Secretome profile of cytokines and chemokines. Brain Behav. 2018 Jul;8(7):e01013. doi: 10.1002/brb3.1013.
24. Fatima Ibrahim Al-Yatama, Fatemah Al-Otaibi, Maie Dawoud Al-Bader, and Kamal A. Al-Shoumer, The Effect of Clothing on Vitamin D Status, Bone Turnover Markers, and Bone Mineral Density in Young Kuwaiti Females. International Journal of Endocrinology (in press).

b. Book chapters:

Margherita Di Paola, Ali K. Bourisly; *Structural MRI in Neurodegenerative non-Alzheimer's Dementia*; Book Title: Brain Morphometry; Publisher: Humana Press -/ (Springer New York). (Book Chapter)

c. Communications at scientific conferences (posters or oral):

Mouihate A., Kalakh S., Al-Mutairi R. and Al-Ashqar A. Maternal immune stress reduces neurogenesis in adult female offspring without altering their anxiety-like behavior (2019). 10th international meeting on steroids and the nervous system Turin, Italy, February 16-20, 2019.

Hasan SM, Hunter T, Hunter G, Pessia M., D' Adamo MC. Aromatic-dependent interactions control Kv1.1 voltage-gated potassium channel conformational equilibria. Program No. 558.01.2018 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2018. Online.

Hasan SM, Bove C, Silvestri G, Mantuano E, Modoni A, Hunter T, Hunter G, Pessia M, D'Adamio MC: A novel mutation in KCNA1 discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. 23rd Annual Health Science Centre Poster Conference. 2018. Abstract 165. Health Science Centre, Kuwait University.

Henkel, A.W., Al-Abdullah, L., and Redzic, Z.B. (2018)
Correlation and differentiation-based algorithms for cell motility quantification.
62nd Annual Meeting of the Biophysical Society, San Francisco, USA. Biophysical Journal 114(3):517a

Henkel, A.W. (2019)
Delayed release kinetics of FM1-43 from hippocampal synapses reveal a sequential 'kiss-and-run' -'full collapse fusion' mechanism.
63rd Annual Meeting of the Biophysical Society, Baltimore, USA. Biophysical Journal, Vol. 116, Issue 3, p527a, Published in issue: February 15, 2019

Henkel, A.W., Al-Abdullah, L., and Redzic, Z.B. (2019)
Correlation and differentiation-based algorithms for cell motility quantification.
24th Health Sciences Centre Poster Conference, 12-14 March, 2019

Henkel, A.W. (2019)
Delayed release kinetics of FM1-43 from hippocampal synapses reveal a sequential 'kiss-and-run' -'full collapse fusion' mechanism.
24th Health Sciences Centre Poster Conference, 12-14 March, 2019

Ali K. Bourisly, Ali Shuaib, Abrar Hayat, Fatima Dashti, Lamia Alsarraf; Volumetric Data Analytics Of Brain Ratio Trajectories From Young Adulthood To Non-Senile Elders: Towards Quantitative Standardization Of The Aging Brain For Machine Learning Algorithms; Southern Data Science Conference (April 11-12). (Poster Presentation)

Ali Shuaib, Eman Al-Azmi, Ali K. Bourisly; The Effect of Weight of Rat on the Delivered Fluence Spinal Cord Injury Rad Model-Computational Study; HSC Poster Conference (12 March 2019). (Poster Presentation)

Ali Shuaib, Ali K. Bourisly; Effects of probe parameters on photobiomodulation therapy for spinal cord injury: a numerical algorithm modelling study; The International Society for Optics and Photonics (SPIE). (Oral Presentation)

Ali K. Bourisly, Abrar A. Hayat, Ali Shuaib; Sexual Dimorphism in Gray Matter-to-White Matter and Gray Matter-to-Cerebrospinal Fluid Volumetric Ratios from MRI Human Brain Images; Japan Radiological Society (JRS2018). (Oral Presentation)

Ali Shuaib, Ali K. Bourisly; Optimization of low-level light therapy's illumination parameters for spinal cord injury in a rat model; The International Society for Optics and Photonics (SPIE). (Oral Presentation)

Safar. F. Participated in The Fourth Kuwait Neurology Conference held at Sheraton Hotel, Kuwait, from 7th to 9th December 2018.

Safar. F. Participated in Advances in Molecular Physiology Workshop “From Bench to Bedside” held at Faculty of Medicine, Kuwait University, from 17th to 19th March, 2019.

Ali Shuaib, Ali Bourisly, “Optimization of low-level light therapy's illumination parameters for spinal cord injury in a rat model” (peer-reviewed conference paper) Paper 10477-2, Pro. SPIE 10477-2 (2018)

Ali Bourisly, Abrar Hayat, Ali Shuaib. Sexual dimorphism in Grey Matter-to-White Matter and Gray Matter-to-Cerebrospinal Fluid Volumetric Ratios from MRI Human Brain Images (peer-reviewed conference paper). Japan Radiology Society (2018).

Ali Bourisly, Abrar Hayat, Alsarraf, F Dashti, Ali Shuaib, Investigating Sexual Dimorphism in Human Brain Gray Matter: A VBM MRI Neuroimaging study. (peer-reviewed conference paper) European Conference on Clinical Neuroimaging. (2018).

Ali Shuaib, Ali K. Bourisly; Optimization of low-level light therapy's illumination parameters for spinal cord injury in a rat model; Proceedings of SPIE. (Conference Proceeding)

Rawaa Al-Enzi, Ali K. Bourisly, Ali Shuaib, Influence of cerebrospinal fluid (CSF) thickness and refractive index on the near-infrared spectroscopy of the brain: a quantitative analysis based on Monte Carlo simulation. 21st Science faculty Student poster day (2019)

Fatemeh Al-Doursari, Ali Shuaib, Mathew Joseph, Nimmy Jose. "Terahertz Spectrometer: Design and implementation." 20th Sciences faculties (2019).

Ali Shuaib, Ali Bourisly, Jahja Kokaj, Nimmy Jose, Mathew Joseph, "Femtosecond laser ablation of gallstones," 20th Sciences faculties (2019).

Ali Shuaib, Eman Al-Azmi, Ali K. Bourisly, "Photobiomodulation Therapy (PBMT): The effect of the weight of rat on the Delivered Fluence Spinal Cord Injury Rat Model: Computational Study" 24th HSC Poster Conference (2019).

Alhawaj R., Ghadhanfar E., and Cherian S., 2019. Oxidative deregulation of ferrochelatase mediates transferrin receptor-induced remodeling in pulmonary arterial smooth muscle cells in monocrotaline-induced pulmonary arterial hypertension. The FASEB Journal, Physiology, Apr 2019. Abstract Number:550.8

Malatiali S Al- Bader M, Impairment of renal function in male rats exposed to maternal dexamethasone in utero, 24th Health Sciences Centre Poster Conference, Kuwait University, 12th-14th March 2019, Kuwait.

- International conferences:

Mouihate A., Kalakh S., Al-Mutairi R. and Al-Ashqar A. Maternal immune stress reduces neurogenesis in adult female offspring without altering their anxiety-like behavior (2019). 10th international meeting on steroids and the nervous system Turin, Italy, February 16-20, 2019.

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Ali K. Bourisly, Ali Shuaib, Abrar Hayat, Fatima Dashti, Lamia Alsarraf; Volumetric Data Analytics Of Brain Ratio Trajectories From Young Adulthood To Non-Senile Elders: Towards Quantitative Standardization Of The Aging Brain For Machine Learning Algorithms; Southern Data Science Conference (April 11-12). (Poster Presentation)

- Local conferences:

Hasan SM, Bove C, Silvestri G, Mantuano E, Modoni A, Hunter T, Hunter G, Pessia M, D'Adamo MC: A novel mutation in KCNA1 discloses contributions of a conserved phenylalanine to gating properties of Kv1.1 channels and ataxia. 23rd Annual Health Science Centre Poster Conference. 2018. Abstract 165. Health Science Centre, Kuwait University.

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Henkel, A.W. (2019)
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Ali Shuaib, Eman Al-Azmi, Ali K. Bourisly; The Effect of Weight of Rat on the Delivered Fluence Spinal Cord Injury Rad Model-Computational Study; HSC Poster Conference (12 March 2019). (Poster Presentation)

Safar. F. Participated in The Fourth Kuwait Neurology Conference held at Sheraton Hotel, Kuwait, from 7th to 9th December 2018.

Safar. F. Participated in Advances in Molecular Physiology Workshop "From Bench to Bedside" held at Faculty of Medicine, Kuwait University, from 17th to 19th March, 2019.

Malatiali S Al- Bader M, Impairment of renal function in male rats exposed to maternal dexamethasone in utero, 24th Health Sciences Centre Poster Conference, Kuwait University, 12th-14th March 2019, Kuwait.

Contributions:

a) Participation in Ministry/Government activities.

Naji S. Al-Zaid

Member, KFAS Kuwait Research Award.

Editorial Board Member, Council of Arts & Literature.

Jasem Ramadan Alkandari

Consultant to Ministry of Education and Higher Education, Kuwait.

Ali K. Bourisly

Secondment at the Specialized Equipment Core Facility, Dasman Diabetes Institute, Kuwait.

Ministry of Health- Kuwait: Secondment at the Department of Radiology, Ibn Sina Hospital, Ministry of Health, Kuwait.

b) Professional organizations.

Waleed B. Shuaib

Society for Neuroscience

International Brain Research Organization.

Maie Al-Bader

Affiliate Member, Society for Endocrinology, U.K., since 1994.

Affiliate Member, European Society of Endocrinology, Belgium, since 2004.

Affiliate member of Society for Reproductive Investigation, USA, since 2016.

Laila K. Habib

Member of International Society for Stem Cell Research (ISSCR)

Member of Biomedical Engineering Society (BMES)

Member of the Biophysical Society

Member of the Alzheimer's Association

Abdeslam Mouihate

Member, The Society for Neuroscience

Member, The International Brain Research Organization

Member, The International Society of Neuroimmunology

Fawzi A. Babiker

Member, Dutch Physiological Society.

Member, Federation of European Physiological Society.

Member, Environmental Conservation Society, Sudan.

Andreas W. Henkel

Member, Society for Neuroscience, USA.

Member of the Biophysical Society, USA.

Jasem Ramadan Alkandari

Member, American College of Sports Medicine (ACSM);

Member, International Society for Physical activity and Health (ISPAH); Agita Mundo;

Member, International Union for Health Promotion and Education (IUHPE), WHO/EMRO

Ali K. Bourisly

The Society for Modeling and Simulation International

Organization of Human Brain Mapping

Founding Member: Kuwait Association of Biomedical Engineering –Kuwait Society of Engineers.

Zoran B. Redzic

The Physiological Society, U.K.

Society for Cerebral Blood Flow and Metabolism

Society for Neurosciences.

Ali S. Shuaib

Optical Society of America (OSA)

Society of Photo-Optical Instrumentation Engineers (SPIE)

Kuwait Society of Engineer

- c) **Advisory editor services (editors / editorial board members) for professional journals.**

Jasem Ramadan Alkandari

Editorial Board member, Middle East Journal of Basic Medical Sciences, Riyadh, KSA.

Editorial board member, Middle East Journal of Basic Medical Sciences

Zoran B. Redzic

Associate editor, Fluids and Barriers of the CNS

Fawzi A. Babiker

Editorial Board Member, Journal of Cardiology and Therapy.

Editorial Board Member, Austin Journal of Musculoskeletal Disorders.

Sonia M. Hashimi

Review Editor for the journal *Frontiers in Cellular Neuroscience*.

- d) **Active participation in professional conferences.**

Abdeslam Mouihate

21st World Congress on Neurology and Therapeutics” held in London, UK, March 15-17, 2018

Zoran B. Redzic

Society for Neurosciences Annual meeting, Washington DC, 11-15. 11. 2017.

Cerebrovascular Biology Conference, Melbourne, 28.11-2.12. 2017.

Fawzi A. Babiker.

National Heart Association Malaysia. Kuala Lumpur, Malaysia, (Oral presentation) April 2018.

Waleed B. Shuaib

Society for Neurosciences Annual meeting, Washington DC, 11-15. 11. 2017.

Maie Al-Bader

Experimental Biology meeting 2018, San Diego, California, USA, 20- 26, April 2018. Poster presentation.

Laila K. Habib

International Society for Stem Cell Research (ISSCR) Meeting, Melbourne, Australia, June 20-23, 2018.

Biomedical Engineering Society Meeting, Phoenix, Arizona, October 11-14, 2017.

M. Turcani

11th FENS Forum of Neuroscience , July 7 - 11, 2018, Berlin, Germany

Ali K. Bourisly

6th European Conference on Clinical Neuroimaging, Roma, Italy. (Poster)
28th Symposium on Cerebral Blood Flow, Metabolism and Function & 13th
Conference on Quantification of Brain Function with PET, Berlin, Germany.
(Poster) April 1-4, 2017

Raed Al-Hawaj

Experimental Biology conference on April 25, 2018.in USA.

Andreas W. Henkel

62nd Biophysical Society Meeting in New Orleans, 17.02.2018 - 21.02.2018

e) **Service as external examiners outside Kuwait.**

Nil

f) **Contribution to Faculty and University.**

Waleed B. Shuaib

Member, Departmental Research Committee, Physiology Dept., Faculty of Medicine,

Kuwait University. 2014 - Present

Member, Scholarship Committee, Physiology Dept., Faculty of Medicine,

Kuwait University. 2014 – Present

Member, Promotions Review Committee, Microbiology Department,

Faculty of Medicine, Kuwait University.

Member, Scientific Affairs Advisory Committee, Faculty of Medicine,

Kuwait University. 2016 - Present:

Member, Medical Research Committee, Faculty of Medicine,

Kuwait University 2016 - 2019

Member, Scholarship Committee, Psychiatry Dept., Faculty of Medicine,

Kuwait University, Kuwait. 2016 – 2017

Member, Appointment and Contract Renewal Committee, Faculty of Medicine, Kuwait University.

Member, Departmental Appointment and Contract Renewal Committee for Department of Psychiatry, Faculty of Medicine, Kuwait University.

Director, OMICSRU/Research Core Facility, Health Sciences Center,

Kuwait University. 2016 – Present.

Fawzi A. Babiker

Chairman Health and Safety Committee, Faculty of Medicine, Kuwait University 2016 - Now.

Member of 23rd Health Sciences Centre Poster Conference Organizing Committee 2018.

Member of Strategic Planning Committee, Faculty of Medicine, Kuwait University 2014 - Now.

Member of the Departmental Master Program Committee, Department of Physiology, Faculty of Medicine, Kuwait University 2012 - now.

Master Integrative Physiology Course Coordinator, Department of Physiology, Faculty of Medicine, Kuwait University 2010 - now.

Objective Structured Practical Examination (OSPE) Committee of Faculty of Medicine, Kuwait University 2009 - now.

Departmental Representative for Department of Physiology, Faculty of Medicine, Kuwait University in Phase II Curriculum Committee 2009 - now.

M. Turcani

Director, M.Sc. Program Physiology

Member, Area committee for graduate programs

Member, Faculty Library Committee

Departmental representative, Cardiovascular module

Departmental representative, Blood module

Member, Purchasing Committee, Department of Physiology

Laila K. Habib

Member, Safety committee in the department of physiology

Member, Biophysics phase I course curriculum committee

Abdeslam Mouihate

Member, PhD Program, Physiology

Coordinator of the Nervous System module

Member of the departmental academic staff appointment and contract renewal

Member of the departmental scholarship committee

Member of the departmental research committee

Member, Examination Committee, Phase II, 3rd and 4th year at the Faculty of Medicine

Member of the examining committee of 1 MSc thesis and one PhD candidacy exam for the Department of Pharmacology.

Andreas W. Henkel

Chairman, Departmental Safety Committee

Chairman, HSC Laboratory and Environmental Safety Committee.

Departmental Representative for Phase II Curriculum, Nervous System Physiology

Member, Radiation Safety Committee of the Faculty of Medicine

Member, Ph.D. Program committee

Member, Departmental Research committee

Departmental representative for Phase II curriculum, member Musculoskeletal system

Ali K. Bourisly

Coordinator, Biophysics course # 1400141- in Phase 1

Member, Departmental committee for Biophysics course (Phase 1)

Member, Departmental Technical Staff Affairs Committee

Departmental Purchasing Committee member

Departmental Safety Committee member and Safety officer

Member, Faculty Radiation Protection Committee

Member, Faculty Examination Committee for Phase I program

Naji S. Al-Zaid

Periodicals Accreditation Committee Ad-hoc appointment panel, Kuwait University.

Ali S. Shuaib

Director, Biomedical Engineering Unit, Health Sciences Center.

Maie Al-Bader

Vice Dean Administration & Finance, September 2012 – till now

Chairperson, Service Contract Committee.

Member, Faculty of Medicine Accreditation Unit Committee.

Member, Committee to implement the MOH cadre for technical staff in HSC.

Member, Ph.D. Program Committee

Member, Committee for Academic Staff Appointment and Contract Renewal 2010-present

Member of Departmental Research Committee 2014 – till now

Departmental Representative for Phase II Curriculum – Endocrine system module

Departmental Representative for Phase II Curriculum – Reproductive system module

Member, Dean's Executive Committee 2012 – till now

Zoran B. Redzic

Chairman, Department of Physiology

Member, Curriculum development Committee

Member, Faculty Scholarship Committee

Committee Chairman, Promotion Review Committee

Slava A. Malatiali

Member, RRB System Module Committee

Chair of purchasing committee at the department of physiology

Member of the examination committee, phase II year 3&4

Faculty Council Member, Representing Assistant Professors.

Salwa Abdalla

Departmental Council Secretary 2017/2018

Member of the Physiology Department Safety Committee.

Raed Al-Hawaj

Member of the Technical staff Affairs Committee at the department of physiology

Member of the Phase II and Phase III Examination Committees

Member of the Safety Committee

g) **Contribution to committees outside the Faculty (University Level)**

Jasem Ramadan Alkandari

Vice President for Academic Support and Services, Kuwait University.

Maie Al-Bader

Member, Recruitment Committee for Support Academic Staff 2012 – present.

M. Turcani

Member, Faculty of Allied health sciences: Curriculum development and assessment committee.

Waleed B. Shuaib

Member, Specialized Research Units Committee, Kuwait University 2016 – present.

h) **Community Level**

Maie Al-Bader

Member, Environmental Safety Committee 2016 – present.

PSYCHIATRY

INTRODUCTION

The Department of Psychiatry consists of one Professor, four Assistant Professors, one Chief Technician, and three Technicians/biological researchers and an executive secretary. The Department provides Problem-based learning (PBL)-driven teaching to the 7th under-graduate students, electives to the 5th year medical students and overseas under-graduate students. The Academic Staff members provide clinical service to the different hospitals and makes substantial contribution to the Kuwait Institute of Medical Specialization (KIMS) administered Kuwait Psychiatry Board program.,

A. Objectives of the department program

Academic

1. To deliver PBL-driven teaching program, offer Electives, and oversee the KIMS administered Post-graduate training program.
2. To evaluate, reform, and review the Curriculum
3. Encouraging medical students to consider psychiatry as a career.

Clinical

1. To deliver quality Psychiatric services in the different Hospital settings.
2. To develop state of the art specialty clinics and resource centers in the different Psychiatry specialties.

Research

1. To lead and promote research at Inter-professional, community and the Ministry of health level hospital
2. Initiate research programs suited to the local needs.

Academic

The Department provides under-graduate Psychiatry instruction to the 7th year medical students and offers Electives to the 5th year medical students. The 7th year students attend psychiatric rotation in groups of 30-35 for 8-week period three times a year. The teaching program is delivered through seven PBL sessions (divided across two days each), twenty-eight case conferences/teaching OSCE sessions, and seven MSD's. The delivery of the traditional didactic lectures is limited to the First Rotation Day's Orientation including Introduction of the subject, articulation the Rotation-objectives, and description of the main Psychopathological manifestations. All students are assigned patients for supervised assessments and presentations. The average 3:1 student: tutor ratio adds proficiency to the clinical tutoring. The students undergo two clinical assessments during each rotation: formative assessment during week 4-5

and summative assessment during week 7-8 to provide feed-back, and determine satisfactory completion of the clinical component, respectively, of the rotation. At the end of each rotation, students undergo an End-of-Course assessment consisting of two Mini Case Examination (Mini C-Ex) carrying 20% of the total marks. The annual examination consists of 8 OSCE's (40% marks) and 100, vignette-based, single best answer MCQ's (40% marks).

Clinical Services

The academic staff members provide clinical services in the Kuwait Center for Mental Health and the Amiri and Mubarak Al-Kabeer Hospitals. In addition to providing the General Adult Psychiatric services, the academic staff is actively engaged in development of quality specialty clinics including Old Age Psychiatry, Consultation-liaison Psychiatry, Mood and Anxiety disorders, and Palliative Care Psychiatry. The Academic staff members contribute in the Medical, and the Medico-legal, Boards for assessment of patients requiring second opinion, claiming sick leaves, and those proclaiming not-guilty plea in the court of law on mental ill-health grounds. The Academic staff members also started 1st unified training program in Kuwait for all family doctors over 6 months and a 1 month hands on clinical training to open independent family run psychiatry clinic.

Research activities

The Department has initiated a number of studies addressing different areas including Curriculum reform, Psychiatric morbidity prevalence studies, Evaluation of forensic psychiatry patients, and Description of General Hospital Patients requiring psychiatric consultation. Two original research articles and another review were published during the academic year.

a) Obstacles to meeting these objectives

The Department has been facing manpower shortage problem ever since the introduction of the PBL-led curriculum. The small group teaching, hallmark of the PBL, along with the introduction of OSCE has outstretched the already inadequate number of the academic staff members. As a result, the Department has to rely on the Ministry of Health tutors for both the delivery of the PBL and clinical assessment including the OSCE.

1. Limitation of the Psychiatric rotation to the KCMH is another difficulty the Department is facing in exposing the students to the commonest psychiatric disorders at the community level. Since the students are more likely to encounter such cases in their practice, the Department misses out in training them to identify and possibly manage them at primary, or even, secondary care (general hospitals) level.
2. The acute shortage of the academic staff members, especially the senior staff members, coupled with excessive teaching workload on the existing staff members, has seriously compromised the Department research activities. As a result, there has been a noticeable drop in the number of research publications during the last few years.

B. Current Developments

1. The Department has succeeded in recruiting some support staff including a Psychological researcher and Research assistant but continues to articulate the need to recruit additional academic staff to achieve its goals.
2. The Department continues to pursue its mission to subject the undergraduate curriculum and its evaluation to the periodic review and reform process. To this affect, a study evaluating usefulness of the Integrated OSCE in the PBL-driven curricula, has just been submitted for publication. If accepted, this will be the third of the series of similar curriculum reform studies carried out by the Department.

C. Program achievements and success

Student engagement and success

The small group teaching plays a pivotal role in any PBL curriculum. The same applies to the once weekly Medical School Day (MSD) teaching activities. The limited number of students ensures closer student-instructor interaction and facilitates pro-active student engagement in the different teaching activities. The students select different topics in the Student-led activity and, under the supervision of their MSD program coordinators, thoroughly prepare these topics for subsequent presentation in the Student-led activity component of the Medical School Day (MSD) program. Similarly, in the daily case conferences and under the supervision of their respective clinical tutors, students demonstrate Interviewing and Communication skills which promotes development of clinical skills and professional competency.

Curriculum enhancement and development

- The course weekly learning objectives (WLO's) are covered with a variety of different activities including twin PBL sessions; patient clerking sessions, and the once daily one-hour Case conferences. The different student learning activities including the PBL cases, the Patient clerking sessions, and the daily Case conferences, are synchronized to address the given WLO's. This exercise facilitates critical the elaboration process of respective learning topics. Just as the PBL facilitators and clinical tutors are evaluated by their respective group-students at the end of rotation, the students' involvement in the PBL group meetings and commitment towards the Patient clerking sessions and Case conferences are evaluated by their respective clinical tutors. The resultant two-way feedback helps instructors sharpen their teaching skills on the one hand, and encourages growth as independent learners, on the other.
- The review of the curriculum activities is an ongoing process. Based on students' performance coupled with mutual instructor-student feedback, the curriculum reform process continues.
- The Course objectives, Weekly leaning objectives (WLO's), Medical School Day (MSD) program, the main Learning topics (LT's), students' Minimal Clinical skills and Competency

level, the log-books, have all been deposited with the Accreditation unit. The Department organized a series of workshops aimed at training the instructors for the Problem-based learning (PBL) and the Objective Structured Clinical Assessment (OSCE) at the time of introduction of the PBL model and the OSCE assessment method. Lastly, the academic staff actively participated in the Curriculum review workshop organized by the Faculty administration during March 31st -April 3rd 2019.

- The Department continues to strive for the state of the art delivery, and evaluation, of the curriculum. However, due to the shortage of academic staff and the consequent over-reliance on the Ministry of Health clinical tutors, standardization of the various teaching activities at the small group level continues to obstruct achievement of the rotation objectives. Non-availability of a teaching hospital is another factor where the Department has encountered challenges in aligning the patient-centered learning to the given WLO's.

MANPOWER

1. Dr. M.A. Zahid, MB.BS., MRCPsych., Professor and Chairman
2. Dr. Sulaiman Al-Khadhari, MBBCh, FRCPC, Assistant Professor
3. Dr. Mariam Al-Awadhi, MBBCh, FRCPC, Assistant Professor
4. Dr. Mohammad Alsuwaidan, MD, MPH, FRCPC, Dip ABPN, FAPA, Assistant Professor
5. Dr. Abdullah Al-Ozairi MBChB. MSc MHPE FRCP (C), Dip ABPN Dip UCNS, Assistant Professor

Teaching Assistants

None.

Lab Physicians

None.

Clinical Tutors

- | | |
|------------------------------|--------------------------|
| 1. Dr. Adel Al-Zayed | Director and Consultant. |
| 2. Dr. Ammar Al-Sayegh | Chairman, Specialist |
| 3. Dr. Abdullah Al-Hammadi | Consultant |
| 4. Dr. Khalid Al-Shafi | Consultant |
| 5. Dr. Bibi Alamiri | Consultant |
| 6. Dr. Mohammad Moustafa | Consultant |
| 7. Dr. Mohammad Abu Zaid | Consultant |
| 8. Dr. Mumdoth Elgammal | Consultant |
| 9. Dr. Ashraf Al-Shazli | Sr. Specialist |
| 10. Dr. Francis Kostas | Sr. Specialist |
| 11. Dr. Tarik Shoukri | Sr. Specialist |
| 12. Dr. Sherene Abdelmawella | Sr. Specialist |
| 13. Dr. Mai Al'asy | Specialist |
| 14. Dr. Talal A. M. Sayed | Specialist |

15. Dr. Najah Al-Enezi	Specialist
16. Dr. Mustafa Ibrahim	Specialist
17. Dr. Abdulmohsen Al-Hamoud	Specialist

Visiting Professor

None

External Examiners

Prof. Arun Ravindran

Prof. Rajiv Tandon

Prof. Afsal Javed

M.Sc. Students

None

Ph.D. students

None

SUPPORT STAFF

Research Assistants and Scientific Assistants

None.

Chief Technician

- Ramani Varghese, MSc, B. Edu.

Technicians

- Najlaa Fathi Al-Hoby, Bachelor degree in Medical technology.
- Nouf Al-Shatty, Bachelor degree in Biology
- Badria Al-Faqaan, Bachelor degree in Psychology

Executive Secretary

Sara Adel Sami – Bachelor Degree in English literature.

STAFFING CHANGES

New Staff appointed

Promotions

None

Staff who left the department

- Samia Al-Otaibi
- Runa Abraham

TEACHING LOAD

Undergraduate teaching (7th year)

Lectures : 79 hours X 3 groups= 237 hours

Practical : Three rotations of 8 weeks each.

84 hours X 3 groups= 252 hours.

Undergraduate teaching (5th year) Elective:

Lectures : 20 hours.

Practical : 56 hours.

Renal, Reproduction & Breast System Module (4th year)

Learning topic : sexual orientation ID #3449

Student Advisors

None

RESEARCH AND PUBLICATIONS

FUNDED PROJECTS

A. Dr. Abdullah Al-Ozairi

Title: A qualitative study of professionalism dilemmas: personal incident narrative of medical practitioners.
Funding: Kuwait University
Budget: 2000 KD
Status: Ongoing
Principal Investigator: Abdullah Al-Ozairi

UNFUNDED PROJECTS

A. Dr. Mohammad Al-Suwaidan

1. Title: The Feasibility and Effectiveness of Group Family Psychoeducation for Relative Caregivers of Individuals with Mood Disorders in Kuwait.

Principal Investigator: Alsuwaidan MT
Status: Ongoing

2. Title: Societal-level Stigma Reduction Through Mental Health Movie Nights in Kuwait.

Principal Investigator: Alsuwaidan MT
Status: Ongoing

3. Title: Design and Implementation of a Electronic Research Database for Outpatient Visits in a Specialty Mood & Anxiety Disorders Unit in Kuwait.

Principal Investigator: Alsuwaidan MT
Status: Ongoing

4. Title: Effectiveness of a Unified Hospital Clinical Form in Increasing Awareness and Enhancing Intervention of Metabolic Monitoring of Mood Disorder Patients in Kuwait.

Principal Investigator: Alsuwaidan MT
Status: Ongoing

Publications

a) Dr. M.A. Zahid

1. Alkhadhari S, Aseel AO, Mohammad IHA, Amina Abdullah Atwan AA, Alqudaihi F, Zahid MA. Mental and physical comorbidity in an Arab national primary health care setting. BMC Psychiatry, 2018; 18: 313. <http://doi.org/10.1186/s12888-018-1903-1908>
2. Alhumoud AQ, Zahid MA, Alkhadhari S. Fornesic Mental Health in Kuwait: Between Western Laws and Conservative Society Lays a Challenge. J Forensic Sci & Criminal Inves 2018; 11 (2): 555806 DOI 10.19080/JFSCI.2018.11.555806
3. Alhumoud A, Zahid M, Ibrahim S, Syed T, Naguy A. Forensic psychiatry in Kuwait- characteristics of forensic psychiatry patients evaluated over one-year duration in the only available forensic psychiatry unit. Int J Law & Psychiatry, 2018; 60: 12-16.

Abstract presentation:

Mental and physical comorbidity in an Arab national primary health care setting. 7th Annual Congress on Primary care, Nursing, and Neonatal screening. Vancouver, Canada. July 27-28, 2018.

b) Dr. Sulaiman Al-Khadhari

1. Alkhadhari S, Aseel AO, Mohammad IHA, Amina Abdullah Atwan AA, Alqudaihi F, Zahid MA. Mental and physical comorbidity in an Arab national primary health care setting. BMC Psychiatry, 2018; 18: 313. <http://doi.org/10.1186/s12888-018-1903-1908>
2. Alhumoud AQ, Zahid MA, Alkhadhari S. Fornesic Mental Health in Kuwait: Between Western Laws and Conservative Society Lays a Challenge. J Forensic Sci & Criminal Inves 2018; 11 (2): 555806 DOI 10.19080/JFSCI.2018.11.555806

Collaborative research:

a) Prof. M A Zahid

1. State M, Kostas F, Zahid MA, Khalil RM, Identifying Genes causing Autism using consanguineous families.

CONTRIBUTIONS

a) Participation in Ministry/Government Activities

	Name	Organization	Position
1	Dr. M.A. Zahid	• ACU-4 Kuwait Center for Mental Health.	Unit Head
		• Council of Department of Psychiatry, Kuwait Center for Mental Health.	Member
		• Medical Board for Psychiatric Assessment of Medico- legal Patients	Chairman
		• Mortality and Morbidity Committee, KCMH.	Chairman
		• Drugs and Therapeutics Committee, KCMH.	Member
2	Dr. Sulaiman Al-Khadhari	• Psychogeriatrician, Mubarek Al-Kabeer Hospital	
		• The National Committee for the Geriatric Health at the Ministry of Health, Kuwait.	Member
		• The General and Geriatric Psychiatry Units at the Kuwait Center for Mental Health	Head
3	Dr. Mariam Al-Awadhi	• Psycho-social oncology services at Kuwait Center for Mental Health.	Head
		• Women's mental health at maternity hospital, Sabah Area.	Head
		• Associate Director – Residency Program – Kuwait Board of Psychiatry	Member
4	Dr. M. Alsuwaidan	• Mental Health Unit – Mubarak Al-Kabeer Hospital	Founding Head of Unit
		• Kuwait Institute of Medical Specialization -Kuwait Board of Psychiatry	Program Director
		• Kuwait Institute of Medical Specialization KIMS/Royal College Collaborative Faculty development committee	Member
		• Ministry of Health – Global Health Office	Focal Point Representative of the State of Kuwait to the World Health Organization

			for Mental Health and for Violence
5	Dr. Abdullah Al-Ozairi	• Consult liaison unit at Kuwait Center for Mental Health.	Head
		• Neuropsychiatric, Amiri Hospital	Consultant
		• Examination Chair for KIMS Psychiatry Residency Board	Chairman

b) Offices Held in Professional Organizations

	Name	Organization	Position
1	Dr. M.A. Zahid	• The Royal College of Psychiatrists (UK)	Member
		• American Psychiatric Association	Member
		• Society for Mentally Handicapped Children, Lahore, Pakistan	Executive member
2	Dr. Mariam Al-Awadhi	• International Society of Affective Disorder	Fellow
		• The American Psychiatric Association.	Member
		• The Canadian Psychiatric Association.	Member
		• The Canadian Association of psycho-social oncology.	Member
		• Marce Society.	Member
		• Kuwait Medical Association.	Member
		• Kuwait women's Cultural Society.	Member
3	Dr. Sulaiman AlKhadhari	• The first Association of Kuwaiti residents in North America.	Co-founder-President
		• The Organizing Committee for Writing the Constitution of the Gulf Residents Association at University of Toronto	Member

		• Kuwait Psychiatric Society	President
		• Faculty of psychiatry at Kuwait Institute for Medical Specializations	Chairman
		• Kuwait Medical Association.	Member
		• The Canadian Medical Protective Association.	Member
		• The College of Physicians and Surgeons of Ontario.	Member
		• Training of the Royal Collage of Physician of Canada.	Member
		• Training of the Canadian Psychiatric Association (CPA).	Member
		• Training of the American Psychiatric Association (APA).	Member
		• The American Association of Geriatric Psychiatry.	Member
		• The International Psychogeriatric Association.	Member
		• The Canadian Academy of Geriatric Psychiatry.	Member
4	Dr. M. Alsuwaidan	• New Chapter Development and Membership Committee International Society for Bipolar Disorders	Chairman
		• Scientific Program Committee, International Society for Bipolar Disorders	Member
		• Executive Committee, International Society for Affective Disorders	Elected Member
		• American Psychiatric Association	Fellow
		• Canadian Psychiatric Association	Member
		• International Society for Bipolar Disorders	Member
		• International Society of Affective Disorders	Fellow
5	Dr. Abdullah Al-Ozairi	• University Health network, Toronto, Canada	Neuropsychiatrist
		• Harvard Macy Institute, Boston, USA	Faculty

c) Advisory editor services for professional journals:

Journals' Review

	Name	Journal
1	Dr. M.A. Zahid	<ul style="list-style-type: none"> • Annals of Saudi Medicine • Kuwait Medical Journal • Academic Psychiatry • Psychiatria Danubina • International Journal of Social Psychiatry • International Scholarly Research Network (ISRN) Family Medicine • Family Medicine & Medical Science Research • Saudi Journal of Medicine and Medical Sciences
2	Dr. M. Alsuwaidan	<ul style="list-style-type: none"> • Journal of Affective Disorders. • Journal of Clinical Psychiatry The Primary Care Companion. • CNS Spectrums. • Transcultural Psychiatry. • Academic Psychiatry. • Revista Brasileira de Psiquiatria
3	Dr. Abdullah Al-Ozairi	<ul style="list-style-type: none"> • Psychosomatics • Journal of Head Trauma Rehabilitation • University of Toronto Journal

d) Active Participation in Professional Conferences:

	Name	Title	Date	Venue
1	Dr. M.A. Zahid	<ul style="list-style-type: none"> • Primary health care nursing & neonatal screening 	27/7/18 to 28/7/2018	Vancouver, Canada
2	Dr. Mariam Al-Awadhi	<ul style="list-style-type: none"> • American Psychiatric Association Annual meeting 	May 5-9, 2018	New York
		<ul style="list-style-type: none"> • 8th World Congress on Women's Mental Health 	5-8 March, 2019	Paris, France
3	Dr Mohammad Al Suwaidan	<ul style="list-style-type: none"> • American Psychiatric Association annual meeting • Workshop on LEAP techniques 	17/5/19 to 23/5/19	UAE
			28/4/19 to 2/5/19	UAE

4	Dr. Abdullah Al-Ozairi	<ul style="list-style-type: none"> • AMIEE 2019 	25-29 Aug. 2018	Switzerland
		<ul style="list-style-type: none"> • Maudsley Forum 	11-14 Sept, 2019	UK

e) Service as External Examiner Outside Kuwait:

None

f) Contribution to Committees in the Faculty of Medicine

	Name	Committee	Position
1	Dr. M.A. Zahid	<ul style="list-style-type: none"> • Curriculum Assessment and Admission Committee 	Member
		<ul style="list-style-type: none"> • Promotion Review Committee 	Member
		<ul style="list-style-type: none"> • Faculty Council 	Member
		<ul style="list-style-type: none"> • Scholarship Committee 	Member
		<ul style="list-style-type: none"> • Departmental Research Committee (Psychiatry Department) 	Chairman
		<ul style="list-style-type: none"> • Departmental Council (Psychiatry Department) 	Chairman
		<ul style="list-style-type: none"> • Departmental Recruitment and Contract Renewal Committee (Psychiatry Department) 	Chairman
2	Dr. M. Alsuwaidan	<ul style="list-style-type: none"> • Dean's Faculty Development Committee 	Member
		<ul style="list-style-type: none"> • Phase III Examination Committee, Department of Psychiatry, F.O.M. 	Head
3	Dr. Abdullah Al-Ozairi	<ul style="list-style-type: none"> • Interprofessional Committee Education (IPE), Rep from FOM 	Member
		<ul style="list-style-type: none"> • Dean's Faculty Development Committee 	Member
		<ul style="list-style-type: none"> • Curriculum Review Taskforce, Tasked by Dean 	Member

g) Contribution to Committees Outside the Faculty

	Name	Committee	Position
1	Dr. M.A. Zahid	• Board for Psychiatric Assessment Medico Legal Patients	Chairman
		• Mortality and morbidity committee	Chairman
		• Council of Department of Psychiatry, MOPH.	Member
2	Dr. Sulaiman Al-Khadhari	• Kuwait Psychiatric Association	President
		• Gulf Mental Health Society	Executive Board member

CONCLUSION

Despite inadequate staffing levels the department has made substantial gains in the teaching, research and clinical domains. The introduction of the PBL and OSCE in the undergraduate teaching program have been a big achievement. It was due to the relentless efforts by the Department to ensure its implementation. To this end, a series of conferences and workshops were organized by the Department to familiarize the Ministry of Health tutors staff with the new teaching methods. It was through the Department initiative and leadership that the Kuwait psychiatry Board was established by the Kuwait KIMS. The Department has been successful in encouraging medical students to take up psychiatry as their post graduate specialty. Through its leading role in various committees, the department has made substantial contributions in reorganizing and updating the hospital-based psychiatric services. Finally, in order to maintain a reasonable educational program and keep up with the ever changing face of the modern day medical education, the department requires at least 4-6 new clinical academic staff members.

RADIOLOGY

INTRODUCTION

The continuing mission of the Department of Radiology is to:

1. Provide medical students with core knowledge of basic clinical diagnostic and interventional radiology in a structured manner;
2. Enhance radiological concepts and skills of medical students so that they become confident in ordering and interpreting a wide variety of radiological examinations;
3. Establish a modern radiology department with different subspecialties;
4. Conduct research at both clinical and basic science levels;
5. Provide continuing education for the academic staff, hospital staff, and community physicians.
6. Contribute to postgraduate and professional training programs in Clinical Radiology.

A) Objectives:

- a) To deliver under graduate teaching in radiology and offer electives to the 5th year medical students as per the set objectives.
- b) To evaluate, review and reform the curriculum so as to develop/improve the radiology-teaching programme that complies with the faculty plan of developing an integrated undergraduate curriculum.
- c) To encourage medical students to consider radiology as a career.
- d) Support and add to the Ministry of Health service to the community.
- e) Establish research programs.

B) Obstacles:

The difficulties continue to be short of academic staff particularly at the assistant professor level. Efforts are continuing to recruit more suitably qualified. Transferring suitably qualified radiologists from the MOH is being considered. The absence of university hospital is another major challenge and hindrance to practice academic medicine.

C) Current Developments:

The department continues to strive hard to obtain “State of art” teaching and learning aids. One candidate who was approved for scholarship has obtained training in the University of Toronto,

Canada and is making satisfactory progress by way his progress report which is received by the faculty from his training center.

D) Program achievements:

1. Curriculum enhancement and development.

The activities of the department during the academic year went smoothly inspite of the prevailing challenges. We have fulfilled our teaching commitments in line with our stated objectives of providing quality education to our medical and dental students in the Health Sciences Center. The elective courses for the 5th year students have proved very beneficial. Due to lack of staff, only up to 4 elective places per year are offered at present. Due to its popularity, the medical students have approached the department to accept students for summer electives. The Department has made provisions to accept one candidate this year for summer elective (2019) on trial basis, to based at Mubarak hospital. With improved staffing, we can consider to increase the number up to 4 summer electives, placing 2 candidates each at Mubarak and Amiri hospital.

The department/interdepartmental consultation and necessary interactions with module coordinators are held at regular intervals and necessary modifications in the curriculum undertaken in line with self-assessment and student feed input.

The staff were oriented about the process of accreditation and the future visit by the accreditation body to the faculty.

2. Achievements: Teaching and educational activities:

❖ Faculty of Medicine medical student courses:

The department is fully responsible for the coordination of the Undergraduate Radiology teaching. The department participated in the following courses:

Second Year : Infection and Immunology

Third Year : Musculoskeletal, Respiratory.

Fourth Year : Digestive, Renal Reproductive & Breast, Nervous System

Fifth Year:

Medical School Day lectures for Medicine and Surgery modules

System courses:

Cardiology

Gastrointestinal system

Respiratory system

Neuroradiology

Musculoskeletal

Endocrinology

Sixth Year :

Pediatrics rotation

Obstetrics/Gynecology

Medical School Day lectures for Medicine and Surgery

Seventh Year :

Medical School Day lectures for Medicine and Surgery

Surgery Clinical Rotation

The progress in expanding radiology teaching in medical and surgical courses is continuing. A radiology course is being proposed.

❖ **Continuing Education :**

- The department makes substantial contribution to the post graduate Radiology training program, administered by the Kuwait Institute of Medical Specialization(KIMS).
- Attendance and presentations at Radiology Department monthly seminars.
- Continuing education organized and presented for Radiographers at Mubarak Al-Kabeer Hospital.
- Attendance at International Conferences.
- Participation in medical grand rounds at Mubarak Al-Kabeer Hospital.
- Attendance and presentations at the Kuwait Medical Radiology Technologists monthly education meetings.

3. Service

Increased participation by the department in clinical service is continuing. Clinical services are provided at Mubarak Al-Kabeer Hospital and Amiri Hospital by the Faculty members including

Conventional Radiology, Fluoroscopy, Mammography, CT, MRI, Ultrasound and interventional radiology. Morning teaching conferences are attended and conducted for the Registrars. Continuing education is provided for Radiographers. A quality assurance program has been established at Mubarak Hospital Radiology Department.

MANPOWER

1. Faculty Members:

- | | |
|---------------------------|---|
| 1. Professor and Chairman | Dr. Mehraj Sheikh, M.D., FFR-RCSI. Cross Sectional Imaging & Interventional Radiology |
| 2. Professor | Dr. Renu Gupta, M.D., MAMS, Breast Imaging & MRI |
| 3. Professor | Dr. Osama Al-Saeed, Am. B. Rad, Neuro Skeletal Imaging |
| 4. Associate Professor | Dr. Tariq Sinan, FFR., FRCR, Interventional Radiology |
| 5. Associate Professor | Dr. Adel Ahmed, Am. B. Rad., Interventional Radiology |

2. Clinical Tutors Seconded from the Ministry of Public Health:

1. Dr. Refa'a Al Ajmi
2. Dr. Abdullah Khayat
3. Dr. Faiza Al Hajri
4. Dr. Reji Philip Athyal
5. Dr. Latifa Al Kandari

SUPPORT STAFF

- | | |
|---|----------------------|
| 1. Senior Technician | Ms. Liji George |
| 2. Computer Specialist Engineer | Ms. Lekha Jacob |
| 3. Administrative Transactions Specialist | Ms. Dalal Al-Muttar |
| 4. Applied Systems Analyst | Ms. Reena Biju Jacob |

STAFFING CHANGES

None

TEACHING IN THE DEPARTMENT PROGRAM

1. Faculty of Medicine:

(a) Undergraduate teaching

2nd Year

Lectures	1 hr
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3rd Year

Seminars	5 hrs
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Clinical skills	1 hr
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4th Year

Seminars	10 hrs
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Clinical skills & GI rotation	12 hrs
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5th Year

Seminars	18 hrs
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Lectures	4 hrs
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6th Year

Seminars	13 hrs
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Pediatrics Clinical Rotation	24 hrs
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7th Year

Lectures	2 hrs
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Seminars	3 hrs
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Interventional Radiology Rotation	72 hrs
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PBL

Digestive:	20 hrs
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CVS:	21 hrs
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MSK:	20 hrs
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Infection & Immunology	34 hrs
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Total	241 hrs
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Course Coordinators

Name	Module
Prof. Mehraj Sheikh	Respiratory system, Digestive system
Prof. Renu Gupta	Renal and Reproductive & Breast, Endocrinology
Prof. Osama Al-Saeed	Infection & Immunology, Musculoskeletal system
Dr. Adel Ahmed	Cardiovascular system, Blood system
Dr. Tariq Sinan	Nervous system

(b) Postgraduate Teaching

- Daily supervision of trainees
- Daily educational morning meetings

Tutorials/lectures which is approximately 2 hours per week by each staff member.

2.STUDENT ADVISORS

Number of students per advisor : 5

RESEARCH AND PUBLICATIONS

Research:

1. Grant no. : PR17-18SL-01
Title of Project : Multi-Parametric Testing of Immunological and Biochemical markers of Osteoporosis in Postmenopausal Women.
Funding Agency : Funded
Status : Completed
PI : F. Azizieh
Co-investigator : R.Raghupathy, D.Shehab, K. Al Jarallah, **R.Gupta**, O. Mojiminiyi, R. Al-Temaimi
Outcome : Publication in Q1 journal. Final reviewer report is excellent.
2. Grant no. : PR1713MM02
Title of Project : Polycystic ovary syndrome and subclinical hypothyroidism.
Funding Agency : Funded
Status : Ongoing
PI : Al Qudhaiby M
Co- investigator : **Sheikh M**, Mojiminiyi S

Publications:

- 1 Adekile AD, **Gupta R**, Al-Khayat A, Mohammed A, Atyani S, Thomas D. Risk of Avascular Necrosis of the Femoral Head in Children with Sickle Cell Disease on Hydroxyurea: MRI Evaluation. Journal of Pediatric Blood & Cancer 2019 ,66(2).
- 2 Azizieh F Y, Shehab D, Al Jarallah K, Mojiminiyi O, **Gupta R**, Raghupathy R. Circulatory pattern of cytokines, adipokines and bone markers in ostmenopausal women with low BMD. Journal of Inflammation Research. 2019; 12: 99-108.
- 3 Azizieh F Y, Shehab D, Jarallah K, Mojiminiyi O, **Gupta R**, Raghupathy R. Circulatory levels of RANKL, OPG and oxidative stress markers in postmenopausal women with normal or low bone mineral density. Accepted for publication in Journal of Biomarker Insights. 2019.

CONTRIBUTIONS:

a) Participation in Ministry / Government activities

Dr. M. Sheikh

Clinical Consultant Radiologist, Mubarak Al-Kabeer Hospital

Dr. R. Gupta

Clinical Consultant Radiologist, Mubarak Al-Kabeer Hospital.

Head of Breast Imaging and Bone Mineral Density section, Mubarak Hospital

Dr. O. Al-Saeed

Clinical Consultant Radiologist, Amiri Hospital

Dr. T. Sinan

Consultant Radiologist, Interventional Radiology, Adan Hospital

Dr. A. Ahmed

Clinical Consultant Radiologist, Mubarak Al-Kabeer Hospital

Head, Vascular and Interventional Radiology Unit, Mubarak Al-Kabeer Hospital

b) Participation in local seminars/meetings/case presentations :

The following posters were presented in 24th HSC Poster Conference, Faculty of Medicine, Kuwait University, March 12 - 14, 2019.

1. Mammographic BIRADS 3 category: a radiologist dilemma. **Gupta R**, Elbaaly, Abdeen S M.
2. Disc herniation and myofascial syndrome: possible diagnostic errors. Case report and review of literature. **Sinan T**, Buric J, **Sheikh M**.

c) Participation in International Meetings :

Dr. M. Sheikh

1. Arab Health Congress 2018 at Dubai, UAE from 28th to 31st Jan 2019.

Dr. R. Gupta

1. Presented the paper “ Risk of Avascular Necrosis of the Femoral Head in children with Sick Cell Disease on Hydroxyurea: MRI Evaluation” at 18th Annual meeting of AOSPR and 16th Annual meeting of ISPR held at India from 14th to 16th September 2018.
2. Workshop on “Imaging Evaluation in Pediatrics Pulmonology” conducted by Kuwait Radiological Society on 24th Oct 2018.
3. Arab Health Congress at Dubai, UAE from 28th Jan to 31st Jan 2019.
4. Curriculum workshop at Faculty of Medicine, Kuwait University from 31st Mar to 3rd April 2019.
5. Presented the paper “MRI Evaluation of Avascular Necrosis of the Femoral Head in Children with Sick Cell Disease on Hydroxyurea” at WCO-IOF-ESCEO 2019, World Congress on Osteoporosis, Osteoarthritis and Musculoskeletal Diseases at Paris from 4th to 7th April 2019.

Dr. Tariq Sinan

1. 4th Annual Joint Annual meeting of Arabian Gulf Society Skeletal Radiology and Asian Musculoskeletal Society at King Faisal Specialist Hospital, Saudi Arabia on 20th and 21st February 2019.

Dr. Adel Ahmed

1. Arab Health Congress 2018 in UAE from 28th to 31st Jan 2019.

2. Guest Speaker for PAIRS Annual Scientific Congress 2018 in UAE from 27th Feb to 23rd Mar 2019.

d) Contributions to committees in the Faculty of Medicine

Dr. M. Sheikh

Chairman, Department of Radiology, Faculty of Medicine
Chairman, Radiation Safety Committee, FOM
Head, Department Research Committee, FOM
Head, Department Appointment and Contract Renewal Committee, FOM
Head, Department Scholarship Committee, FOM
Member, Curriculum Committee, FOM
Member, Faculty Council, FOM
Member, MSc. Medical Physics Course Committee, College of Graduate studies
Member, Medical Research Committee, FOM
Member, Promotion Review Committee, FOM
Department's Teaching Coordinator for the 5th year undergraduate medical students

Dr. R. Gupta

Member, Department Scholarship Committee, FOM
Member, Department Research Committee, FOM
Member, Department Appointment and Contract Renewal Committee
Department Research Coordinator, FOM
Course Coordinator for Renal and Reproductive system, Phase II for the Department of Radiology
Course Coordinator for clinical rotation of Phase II Nephrology Block for the Department of Radiology

Dr. O. Al Saeed

Member, Faculty Appointment and contract renewal committee, FOM
Member, Promotion Review committee, FOM
Member, Department Research Committee, FOM
Member, Department Scholarship Committee, FOM

Member, Department Appointment and Contract Renewal Committee
Member, Scientific Affairs Advisory Committee, FOM
Member, Health and Safety committee, FOM
Coordinator of 6th year medical students' teaching at Amiri Hospital

Dr. T. Sinan

Member, Department Research Committee, FOM
Member, Department Scholarship Committee, FOM
Member, Department Appointment and Contract Renewal Committee

Dr. A. Ahmed

Member, Department Research Committee, FOM
Member, Department Scholarship Committee, FOM
Member, Department Appointment and Contract Renewal Committee
Department Coordinator of 7th year medical students

e) Contributions to committees outside the Faculty of Medicine

Dr. M. Sheikh

Member & Educational affiliate of the Royal Australasian
College of Radiologists, Australia.
Member, Royal College of Radiologists in Ireland.
Member, Radiology Society of North America
Member, Royal Australasian College of Radiology
Member, Kuwait Medical Association
Clinical Tutor for Local Training of the Royal College of Radiology
Assistant Program Director for FFR, RCSI training for Kuwait Institute for Medical
Specialization.
Editorial Board Member of the Austin Journal of Radiation Oncology and Cancer
Editorial Board Member, case reports in Urology Journal.
Editorial Board Member, International Journal of Radiology and Medical Imaging.

Dr. R. Gupta

Member, National Academy of Medical Sciences (NAMS), India
Member, General Medical council, UK
Member, Indian College of Radiology (ICR)
Member, Indian Radiological and Imaging Association (IRIA) India
Member, European Society of Breast Imaging (ESOBi)
Member, Society of Breast Imaging, USA
Member, American college of Radiology
Member, International society of clinical densitometry (ISCD) with CCD certification
Member, Advisory board, Pushpanjali Crosslay hospital, NCR, Delhi
Clinical Tutor for Local Training of the Royal College of Radiology
Coordinator for Uro-Radiology for KIMS Urology Board Programme
Reviewer for Journal of Clinical Densitometry, Kuwait Medical Journal and Medical Principles and Practice.

Dr. O. Al Saeed

Member, American Medical Association
Member, Radiologic Society of North America
Member, American College of Radiology
Member, Kuwait Medical Association
Clinical Tutor for Local Training of the Royal College of Radiology
Chief of Examination Committee and Research Coordinator of KIMS KBR
Member, Faculty of Radiology, KIMS
Reviewer for Neuropsychiatric Disease and Treatment Journal, Orthopedic & Muscular System: Current Research and Journal of Biomedical Graphics and Computing.

Dr. T. Sinan

Member, Kuwait Medical Association
Member, Kuwait Society of Radiology and Nuclear Medicine
Member, Royal College of Radiologists
Member, Registrar of Specialist at Medical Council, Ireland

Fellow, Faculty of Radiologists, RCSI

Chairman, Faculty of Radiology, KIMS KBR Program

Associate Member, European Society of Neuro Radiologists

Tutor for Fellowship Program (FFR, RCSI)

Reviewer of Journal of Cardiovascular & Interventional Radiology

Dr. A. Ahmed

Member, Kuwait Medical Association

Member, American Society of Cardiovascular and Interventional Radiology

Member, American College of Radiology

Chairman, Scientific Committee, Radiology Council, Ministry of Health

Chairman, Interventional Radiology, Radiology Council, Ministry of Health

ACHIEVEMENTS AND CONCLUSION

The Department of Radiology continues to show steady progress in teaching, research and the delivery of clinical services despite a small no. of staff. The department also contributes to the KIMS postgraduate training program in Radiology and other specialties.

SURGERY

INTRODUCTION

The Academic Department of Surgery plays a pivotal role in coordinating the undergraduate teaching of surgery for the 5th, 6th and 7th year medical students. The Department comprises of 5 full professors, 7 associate professors and 9 assistant professors. This constitutes the academic staff. They are supported by 3 technicians, 1 Departmental Scientific Assistant, 1 teaching assistant and 2 lab engineers and 1 secretary.

At present, apart from General Surgery, the Department of Surgery has the following sub-specialities: vascular, thoracic, urology, anesthesia, ENT, orthopedics (accident and emergency) and ophthalmology. For clinical exposure, students rotate through the Al-Adan, Al-Amiri, Al-Razi, Chest Diseases, Farwaniya, Ibn Sina and Mubarak Hospitals. To overcome the shortage of staff in the various disciplines, the Department has sought the help of senior clinical staff from the Ministry of Health to act as clinical tutors for students. At present we employ 108 such tutors ranging from senior registrars to senior specialists.

The total hours taught during the last year in the Faculty of Medicine is 1,506 hours of which 228 hours were didactic and 1218 hours were clinical bedside teaching.

Postgraduate programs and teaching

The Department contributes extensively to the training of candidates of the various programs of the Kuwait Institute of Medical Specialisation (KIMS). The staff contributed 82 hours of didactic teaching and 288 hours of clinical bedside teaching comprising a total of 370 hours.

Furthermore, the Department also conducts hands-on-training courses for the Post Graduate Trainees of the Kuwait Institute of Medical Specialization (KIMS). Basic and Advanced Laparoscopy courses in animal models which is for two full days each and conducted for the 1st and 3rd year candidates of the Surgical Board. Basic Surgical Skills (BSS) Course which is for two full days is for the 1st year candidates of the surgical, urological and ENT Boards. The BSS course is accredited and certified by the Royal College of Surgeons of England.

Aims & Objectives of the Department

To provide:

- An undergraduate surgical curriculum that contains basic skills with cognitive knowledge considered essential for the understanding of general surgical conditions and their management.
- Good surgical training that produces physicians capable to recognize general surgical conditions and be able to provide the basic resuscitation means for emergencies.

- Graduates with the ability to make a sound surgical consultation to recognize a surgical condition and to be able to direct the patient to proper specialty.

MANPOWER

ACADEMIC STAFF

Faculty Members

Dr. Dashti Hussein, M.D., Ph.D., F.I.C.S., F.A.C.S., F.R.C.S. (G).

Professor and Chairman

General Surgery with special interest in Trace Elements, Nutrition and Tumour Markers

Dr. Ayed Adel Khader, B.M.,B.Ch., F.R.C.S.(C), F.C.C.P., F.A.C.S.

Professor and Dean

Thoracic Surgery

Dr. Behbehani Abdullah, M.B.,B.Ch., F.R.C.S., F.R.C.S.I., Ph.D., F.I.C.S., F.A.C.S.

Professor

General Surgery with special interest in Oncology

Dr. Asfar Sami K, M.B., Ch.B., M.D.(UK), F.R.C.S. (Ed.), F.R.C.S., F.A.C.S.,

Professor

Hepato-pancreato-biliary and vascular surgery

Dr. Al-Hunayan Adel Abdel Razzaq, B.M., B.Ch., F.R.C.S.

Professor

Urology

Dr. Al-Saleh Mervat Saud Mohamed, M.B.B.S., F.R.C.S, F.R.C.S. (Ed.), F.I.C.S., F.A.C.S.,

Associate Professor

General Surgery with special interest in breast surgery

Dr. Al-Asfar Fahad, B.M.,B.Ch., F.R.C.S(C)

Associate Professor

General Surgery

Dr. Behbehani Abdul Mutalib, M.B.,B.Ch., B.A.O., L.R.C.S.I., F.R.C.S.C.

Associate Professor

Ophthalmology

Dr. Abul Fawzi T., M.B.,B.Ch., F.R.C.S., B.A.O., L.R.C.S., L.R.C.P.I.
Associate Professor
Urology

Dr. Al-Kandari Ahmed, B.M., B.Ch., F.R.C.S(C)
Associate Professor
Urology

Dr. Al-Sebeih Khalid, B.M., B.Ch., F.R.C.S.(C)., A.B.O
Associate Professor
ENT

Dr. Jamal Mohammed, M.B.B.S, F.R.C.S (C)
Associate Professor
Hepatopancreatic biliary and transplant surgery

Dr. Al-Bader Ibtisam B.M., B.Ch., F.R.C.S (C), F.R.C.S
Assistant Professor
General Surgery with interest in Breast Surgery

Dr. Al-Abbad Jasim, B.M., B.Ch., F.R.C.S (C)
Assistant Professor
General Surgery with interest in colon and rectal surgery

Dr. Abulhasan Yasser B, M.B.B.S, F.R.C.S (C)
Assistant Professor
Anesthesia and intensive care

Dr. Sa'ad Al Dosari MD, FRCS (C)
Assistant Professor
Urology
(On study leave for one year)

Dr. Al Haddad Ali Jerragh B.M, B.Ch, FRCS (C)
Assistant Professor
Orthopedic Trauma Surgery

Dr. Alnaqi Amar B.M, B.Ch, FRCS (C).
Assistant Professor
Pediatric Surgery

Dr. Al Sabah Salman BM., B.Ch, MBA, FRCS(C), FACS
Assistant Professor
General Surgery

Dr. AlZaid Saud MB, BCM, BAO (NUI), LRCSI, FRCSC
Assistant Professor
General Surgery

Dr. Salman Al Safran LRCP & SI MB BCh NUI (Hons)
Assistant Professor

Teaching Assistant

Ms. Al-Otaibi Fatimah

Lab Physicians / Lab Engineers

Ms. Thomas Jisha Merrin, B.Tech

Ms. George Gemcy, B.Tech

Clinical Tutors

Sr. No.	NAMES	POSITION
1	Dr. Marzouk Abdulla Al-Bader	Consultant
2	Dr. Ahmad Abdulla Al-Mousawi	Consultant
3	Dr. Ali Khalifa Al-Dahham	Consultant
4	Dr. Emad Hilmi Ayyash	Consultant
5	Dr. Hussein AbdulNabi Safar	Consultant
6	Dr. Ali Sayed Ali	Consultant
7	Dr. Ali Ismail Ali	Consultant
8	Dr. Abdulla Ahmad Al-Haddad	Consultant
9	Dr. Zahraa Ahmad Ismail	Consultant
10	Dr. Maher Mouris Iskandar	Senior Specialist
11	Dr. Sulaiman Jawad Al-Hadher	Senior Specialist

12	Dr. Bader Mustafa Marafi	Senior Specialist
13	Dr. Lamia AbdulAziz Malak	Senior Specialist
14	Dr. Ahmad Ali Taqi	Senior Specialist
15	Dr. Ibrahim Mustafa Hanbal	Specialist
16	Dr. Bashayar Al Shatty	Specialist
17	Dr. Abdulla Abdulrasool	Specialist
18	Dr. Khalid Al Hammad	Specialist
19	Dr. Abdulrahman MJM Husain	Senior Registrar
20	Dr. Yaser Salah Sadeq	Senior Registrar
21	Dr. BaderJassim Ashkanani	Senior Registrar
22	Dr. Dhari Al Wugyan	Senior Registrar
23	Dr. Mohammed Ibrahim	Senior Registrar
24	Dr. Khalid Al Qalaf	Senior Registrar
25	Dr. Fawaz Abdul Raheem	Senior Registrar
26	Dr. Yousef AlHassan	Senior Registrar
27	Dr. Yousef Mohammad Ali	Consultant
28	Dr. Hamdy Abdul Haleem	Consultant
29	Dr. Ahmad .N.Al Enezi	Specialist
30	Dr. Ali Abdul Qader	Senior Registrar
31	Dr. Najat Dehrab	Consultant
32	Dr. Kamal Eldin Hussein	Senior Specialist
33	Dr. Varghese Parel	Specialist
34	Dr. Joshua Brainard Muddu	Specialist
35	Dr. Saleh AlKhaldi	Specialist / Head

36	Dr. Fathi Khalaf	Consultant
38	Dr. Abdulsamad Mustafa S. Abdul Samad	Consultant
39	Dr. Wael Fathi Hasaniah	Consultant
40	Dr. Ali Hamad Al Juaied	Senior Specialist
41	Dr. Ahmad Ali Ahmad Almurad	Senior Specialist
42	Dr. Shehab A. Groof	Specialist
43	Dr. Suad Al-Subaie	Specialist
44	Dr. Bader Al Bader	Specialist
45	Dr. Asma Al-Rashed	Specialist
46	Dr. Fatma Ibrahim	Specialist
47	Dr. Mohammed Alzanki	Senior Registrar
48	Dr. Sara Wood	Senior Registrar
49	Dr. Kefaya Abdulla Abdulmalek	Consultant/Head
50	Dr. Manal Hussein Taqi	Senior Specialist
51	Dr. Shabeer Al-Musawi	Consultant
52	Dr. Arun Narayanaswamy	Consultant
53	Dr. Duleim Al Hajri	Specialist
54	Dr. Mustafa Dashti	Consultant/Chairman
55	Dr. Rasheed Alsaleh	Consultant
56	Dr. Obaid Al-Harbi	Consultant
57	Dr. Hamad Al-Ajmi	Consultant
58	Dr. Abdulla Sultan	Senior Specialist
59	Dr. Mahmoud Abdelmoneam	Senior Specialist
60	Dr. Mohammed Ehab Saad	Specialist

61	Dr. Khalid Al Bassam	Specialist
62	Dr. Naser Al Humaidi	Specialist
63	Dr. Musaed Al Wadaani	Senior Registrar
64	Dr. Faisal Al Hajery	Specialist/Head
65	Dr. Ahmed Harraz	Specialist
66	Dr. Talal Alanzi	Senior Registrar
67	Dr. Owayed Almutairi	Specialist/Head
68	Dr. Wieslaw Pospula	Consultant
69	Dr. Abdulsalam Othman	Consultant
70	Dr. Ous AIOsairi	Consultant/ Chairman
71	Dr. Hosni Mustafa	Consultant
72	Dr. P. M. Dhar	Senior specialist
73	Dr. Hamid Labeeb	Senior Specialist
74	Dr. Nael Muttar SalmanAl-Shammari	Specialist
75	Dr. Mohammed Asad Al Kandari	Specialist
76	Dr. Nawaf Al Khalifah	Specialist
77	Dr. Ahmad Sulaiman	Senior Registrar
78	Dr. Khaleel Mohammed	Senior Registrar
79	Dr. Ahmed Sarab	Senior Registrar
80	Dr. Omar Al Sherif	Senior Registrar
81	Dr. Khalid Al Shammary	Senior Registrar
82	Dr. Yahya Shabeeni	Consultant
83	Dr. Mostafa Al Mahmeed	Specialist
84	Dr. Hussein Elnezi	Specialist

85	Dr. Huda Al Foudari	Consultant/Head
86	Dr. Mohammed Shamsah	Consultant
87	Dr. Hazem Hantira	Consultant
88	Dr. Raja Mohammed Sherief	Senior Specialist
89	Dr. Ahmad hussein abdulla mekky	Specialist
90	Dr. Ahmed M. Zamzam	Consultant
91	Dr. Raed Behbehani	Consultant
92	Dr. Adel Al Jazzaf	Consultant
93	Dr. Mutlaq Al Sihan	Senior Specialist/Head
94	Dr. Amr Ali Sobieh	Consultant
95	Dr. Imthiyaz Al Qazii	Senior Specialist
96	Dr. Mishal Al Mutairi	Specialist
97	Dr. Saleh Alsaifi	Specialist/Chairman
98	Dr. Abdulrazzak Alobaid	Consultant
99	Dr. Samir Abdul Salam	Senior Specialist
100	Dr. Mokhtar Elsayed Abdel Azeem	Senior Specialist
101	Dr. Abdul Aziz Mohamed AbduAziz	Senior Specialist
102	Dr. Tariq Al-Sheikh	Consultant/Head
103	Dr. Yousef Al Awadi	Consultant
104	Dr. Esmaeel Taqi	Consultant/Head
105	Dr. Abdullah Rajab	Consultant
106	Dr. Mohammad Khalaf	Consultant
107	Dr. Hassan Aziz	Specialist
108	Dr. Dherar Sultan Alshehab	Specialist

Visiting Professors

Nil

External Examiners for the year 2019

Prof. Malcolm Reed

UK

Prof. Peter Andrew Brennan

UK

Prof. Kosar Khwaja

Canada

Prof. Edward Davies

Canada

SUPPORT STAFF**Research Assistant and Scientific Assistants**

Dr. Mathew Anita, Ph.D., Scientific Assistant

Ms. Carol D Souza, Senior Research Assistant

Technicians

Mr. Abraham Mathew, B.Sc., M.Sc., P.G.D.C.A., Chief Technician

Mrs. Mathew Ani, B.Sc., M.A., Senior Technician

Mrs. Shaisa Meeralayam, B.Sc., MSc, Technician

Secretaries

Mrs. Anju Jijin, B Com. MBA (Finance)

Administrator

Nil

Others

Mr. Erfan Shaikh

Student help

Nil

STAFFING CHANGES

Professor Mousa Khoursheed, General and GI surgeon continues contributing to the academic activities of the Department as a Visiting Professor.

Prof. Abdullah Behbehani is on Sabbatical leave from December 2018 till January 01, 2020.

Dr. Yasser B Abulhasan is on special family leave starting from 15th February 2018 and will join in August 2020.

Dr. Salman Al Safran, our scholarship candidates have returned and joined the Department.

TEACHING IN THE DEPARTMENT PROGRAM

I. FACULTY OF MEDICINE

a. Undergraduate teaching

Lectures	:	288	hours
Tutorials & Seminars	:	--	hours
Practicals / Clinical	:	1,218	hours

Total teaching hours given to students per year. 1,506 hours

Coordinators:

Name of Staff: **Dr. Al Haddad Ali Jerragh**
Name of Course/s: 5th Year Phase III Coordinator

Name of Staff: **Dr. Al-Kandari Ahmed**
Name of Course/s: 6th year Phase III Coordinator

Name of Staff: **Dr. Alnaqi Amar**
Name of Course/s: 7th year Phase III Coordinator

b. Graduate teaching (M.Sc / Ph.D)

Nil

Course coordinators:

Nil

c. Postgraduate teaching (KIMS)

Lectures	:	82 hours
Tutorials & Seminars	:	0 hours
Practicals (clinical bedside)	:	288 hours

Total teaching hours	:	370 hours

Course Coordinators:

Name of Staff:	Prof. Ayed Adel Khader
Name of Course/s:	Thoracic Surgery Chairman, Faculty of Surgery Postgraduate Surgical Training Programme of KIMS
Name of Staff:	Prof. Asfar Sami
Name of Course/s:	Supervision and clinical training of KIMS postgraduate candidates in the vascular and general surgery units.
Name of Staff:	Prof. Al-Hunayan Adel
Name of Course/s:	Urology Chairman, Faculty of Urology Postgraduate Surgical Training Programme of KIMS
Name of Staff:	Dr. Al Haddad Ali Jerragh
Name of Course/s:	MSK Module Phase III Coordinator

II. OTHER FACULTIES**a) Undergraduate teaching in Faculty of Pharmacy**

Lectures	:	
Tutorials & Seminars	:	
Practicals / Clinical	:	

Total teaching hours given to students per year		NIL

Course coordinators:

Nil

Name of course

Nil

Undergraduate teaching in Faculty of Dentistry

Lectures :

Tutorials & Seminars :

Practicals / Clinical :

Total teaching hours given to students per year

NIL

Course coordinators:

Nil

Name of course

Nil

Undergraduate teaching in Faculty of Allied Health

Lectures :

Tutorials & Seminars :

Practicals / Clinical :

Total teaching hours given to students per year

NIL

Course coordinators:

Nil

Name of course

Nil

III. STUDENT ADVISORS

Nil

RESEARCH AND PUBLICATIONS

RESEARCH

Funded

- 1) Title: The effect of metabolic surgery on uncoupling proteins.
Funding: KFAS
Status: Ongoing
Value: K.D 100,000/-
Principal Investigator: Dr. Mohammed Jamal,
Co-investigator(s): Prof. Fahd Al Mulla, Dr. Ghanim Al Khaledi, Dr. Suleiman Al Sabah,
Dr. Hamad Ali Yaseen, Mr. Waleed Al Ali

- 2) Title: Trace elements and sudden sensorineural hearing loss
Funding: Kuwait University Research Management Unit
Status: Ongoing
Value: KD 6000/-
Principal Investigator: **Dr. Khalid Al-Sebeih**
Co-investigator(s): None

Unfunded Research Activities

1. ACE gene in patient with bronchiectasis Co-investigator, **Prof. Adel Khader Ayed.**

2. Role of intrapleural tissue plasminogen activator in the management of complicated pleural effusion. Co-investigator, **Prof. Adel Khader Ayed.**

PUBLICATIONS

Papers:

- 1) T. C. Mathew, S. M. Abdeen, H. Dashti, **S. Asfar**. Green tea induced cellular proliferation and expression of Transforming Growth Factor- β 1 in the jejunal mucosa of fasting rats. (*In print MPP*)
- 2) A. Shuaib, J. Kokaj, Y. Makdisi, G. Pichler, A. Husain, **S. Asfar**. Time-Resolved Laser-Induced Fluorescence Spectroscopy as a Guidance Tool for Gallbladder Stones Laser Lithotripsy. (*In print Photomedicine and Laser Surgery*)
- 3) Thazhumpal C. Mathew, Suad M Abdeen, **Hussain Dashti, Sami Asfar**. Green Tea Induced Cellular Proliferation and the Expression of Transforming Growth Factor – β 1 in the Jejunal Mucosa of Fasting Rats. ,MPP. March 07, 2017, Pages 1-8.
- 4) Saleh F, Raghupathy R, **Asfar S**, Oteifa M, Al-Saleh N. Analysis of the effect of the active compound of green tea (EGCG) on the proliferation of peripheral blood mononuclear cells. *BMC Complement Altern Med.* 2014 Aug 30; 14:322. doi: 10.1186/1472-6882-14-322.
- 5) Asbeutah AM, Al-Enezi M, Al-Sharifi NM, Almajran A, Cameron JD, McGrath BP, **Asfar SK**. Changes in the diameter and valve closure time of leg veins across the menstrual cycle. *J Ultrasound Med.* 2014 May; 33 (5):803-9. doi: 10.7863/ultra.33.5.803.
- 6) Sohn S, Larson DW, Habermann EB, Naessens JM, **Alabbad JY**, Liu H. Detection of clinically important colorectal surgical site infection using Bayesian network. *J Surg Res.* 2017 Mar; 209: 168 – 173.
- 7) Clinical presentation and outcomes of acute diverticulitis in a Middle Eastern population. *Arab J Gastroenterol.* 2019 Jun 4. pii: S1687-1979(19)30044-9. **Alabbad J**, Abdul Raheem F, Al-Saddah S, Al-Mubarak A.
- 8) Retrospective Clinical and Microbiologic Analysis of Patients with Anorectal Abscess. **Alabbad J**, Abdul Raheem F, Alkhalifa F, Hassan Y, Al-Banoun A, Alfouzan W. *Surg Infect (Larchmt).* 2018 Sep 20
- 9) The effects of tranexamic acid on blood loss and transfusion rate in colorectal surgery. Grass F, Braafladt S, **Alabbad J**, Lovely JK, Kelley SR, Mathis KL, Huebner M, Larson DW. *Am J Surg.* 2019 Mar 15. pii: S0002-9610(19)30173-4

- 10) Laparoscopy First Approach in Acute Care Surgery. Jamal MH, Karam A, Alsharqawi N, Buhamra A, AlBader I, **Al-Abbad J**, Dashti M, Abulhasan Y, Almahmeed H, AlSabah S. Med Princ Pract. 2019 Apr 16. doi: 10.1159/000500107. [Epub ahead of print]

- 11) **Mohammed H Jamal**, Suhail A R Doi, A James Moser, Sinziana Dumitra, Jad about Khalil, Eve Simoneau, Prosanto Chaudhury, Adedayo A Onitilo, Peter Metrakos, Jeffrey S Barkun. McGill Brisbane Symptom Score for patients with resectable pancreatic head adenocarcinoma. World Journal of Gastroenterology 2014; 20 (34): 12226 – 12232.

- 12) **Mohammad H. Jamal**, Ricard Corcelles, Hideharu Shimizu, Mathew Kroh, Fernando M. Safdie, Raul Rosental, Stacy A. Brethauer, Philip R Schauer. Thromboembolic events in bariatric surgery: a large multi-institutional referral center experience. Surg Endosc (2015) 29: 376 – 380.

- 13) **S Al Sabah**, E Al Haddad. Endoscopic management of post-laparoscopic sleeve gastrectomy stenosis. Surgical Endoscopy, 1-5, 2016.

- 14) **S Al Sabah**, F Al-Marri, JD Vaz. Intra gastric balloon as a bridge procedure in patients with high body mass index. Surgery for Obesity and Related Diseases 12 (10), 1900-1901, 2016

- 15) A Al Sabah, **S Al Sabah**, S Al Sabah, A Al Serri, E Al Haddad, WM Renno. Investigating Factor involved in Post Laparoscopic Sleeve Gastrectomy (LSG) Neuropathy. Obesity Surgery, 1-6, 2016.

- 16) E Chouillard, A Younan, M Alkandari, R Daher, B Dejonghe, **S Al Sabah**. Roux-en-Y fistula-jejunostomy as a salvage procedure in patients with post-sleeve gastrectomy fistula: mid-term results. Surgical endoscopy 30 (10), 4200 – 4204, 2016.

- 17) **S Al Sabah**, N Alsharqawi A Almulla, S Akrof, K Alenezi, W Buhaimed, Approach to poor weight loss after laparoscopic sleeve gastrectomy: re-sleeve vs. gastric bypass. Obesity surgery 26 (10), 2302 – 2307, 2016.

- 18) E Chouillard, N Schoucair, **S Al Sabah**, B Alkandari, L Montana. Laparoscopic gastric plication (LGP) as an alternative to laparoscopic sleeve gastrectomy (LSG) in Patients with morbid obesity: A Preliminary, Short-Term Case-Control Study. Obesity Surgery 26 (6), 1167-1172, 2016.

- 19) E Chouillard, **S Al Sabah**, R Daher, A Younan, VJ Greco, E Chahine. Single-Incision Laparoscopy Could Be Better than Standard Laparoscopy in Right Colectomy for Cancer. Journal of Laparoendoscopic & Advanced Surgical Techniques 26 (5), 371 – 378, 2016.

- 20) A Algooneh, S Almazeedi, **S Al Sabah**, M Ahmed, F Othman. Non-alcoholic fatty liver disease resolution following sleeve gastrectomy. *Surgical endoscopy* 30 (5), 1983-1987, 2016.
- 21 **S Al Sabah**, F Al-Ghareeb, DAM Ali, A Al Adwani. Efficacy of intragastric balloon for the management of obesity: experience from Kuwait. *Surgical endoscopy* 30 (2) 50 – 54, 2016.
- 22 Abdul-Rasoul M, **AlOtaibi F**, Abdulla A, Rahme Z, Alshawaf F (2013). “Quality of life in children with type 1 diabetes in Kuwait. *Medical Principle and Practice: International Journal of the Kuwait University Health Sciences Centre*, DOI:10.1159/000347052.
- 23 Abdul-Rasoul M, **AlOtaibi F**, AlMahdi M, AlKandari H. (2012) Reliability and validity of the Arabic version of the PedsQLTM 4.0 generic ore scales and PedsQLTM 3.0 diabetes module. *International Journal of Diabetes Mellitus (IJDm)*, Vol.2, No.3, 301-307.
- 24 Al Otaibi F, **Abdul-Rasool M**, **Yaiesh R**, **AlOtaibi N**. (2017) Dyslipidemia in Kuwaiti Adolescents with Type 1 Diabetes. *Journal of Diabetes Mellitus*, Vol. 7, No.03, 96-107.
- 25 Ghannam S, Al Otabi FK, Frank K, Cotofana S. (2017) Efficacy of Low-Fluence Nd:YAG 1064 nm Laser for the Treatment of Post-Inflammatory Hyperpigmentation in the Axillary Area. J Drugs Dermatol. 2017 Nov 1;16(11):1118-1123.
- 26 Asfar S, Shuaib A, **Al-Otaibi F**, Asfar S, Kilarkaje N. (2018) A New Technique to Induce Experimental Myointimal Hyperplasia. Med Princ Pract, 2018 Jul.31; DOI: 10.1159/000492575: 1-5
- 27 Fatima Ibrahim Al-Yatama, **Fatemah AlOtaibi**, Maie Dawoud Al-Bader, and Kamal A. Al-Shoumer. (2019) The Effect of Clothing on Vitamin D Status, Bone Turnover Markers, and Bone Mineral Density in Young Kuwaiti Females. *International Journal of Endocrinology*, Volume 2019, Article ID 6794837, 10 pages.

Chapter in Book

Nil

CONTRIBUTIONS

a. Participation in Ministry / Government Activities

Dr. Ayed Adel Khader

- 1) Chairman, Faculty of Surgery, KIMS
- 2) Convener of Examination Committee, Kuwait Surgical Board, KIMS
- 3) Head of Thoracic Surgery Unit, Chest Diseases Hospital
- 4) Member in the Higher Committee Investigating Professional Misconduct, Ministry of Health.
- 5) Continuing Medical Education Officer in Surgery, KIMS
- 6) Chief Invigilator for the MRCS Examination
- 7) Active member in Accreditation for Hospitals Committee in the Ministry of Health.

Dr. Asfar Sami

- 1) Senior Consultant, Vascular and Chief of Hepatopancreato-biliary unit, Department of Surgery, Mubarak Al-Kabeer Hospital, Ministry of Health.

Dr. Behbehani Abdulla

- 1) Consultant Surgeon, Department of Surgery, Mubarak Al-Kabeer Hospital, Ministry of Health
- 2) Ministry of Health Fact Finding Committee for treatment abroad.
- 3) Member of Private University Council.
- 4) Member of Scholarship Committee - Private University Council.
- 5) Member of Development and Research – Private University Council.
- 6) KIMS – Assistant Director.
- 7) KIMS - Tutor

Dr. Hunayan Adel

- 1) Consultant Surgeon, Department of Surgery, Mubarak Al-Kabeer Hospital, Ministry of Health
- 2) Head of Urology Unit, Mubarak Al-Kabeer Hospital.

Dr. Al-Saleh Mervat

- 1) Consultant Surgeon, Department of Surgery, Mubarak Al-Kabeer Hospital, Ministry of Health.
- 2) Member – KIMS promotion committee.

Dr. Al Bader Ibtisam

- 1) Consultant Surgeon, Department of Surgery, Mubarak Al-Kabeer Hospital, Ministry of Health
- 2) Assistant Director, Kuwait Surgical Board (KIMS)
- 3) Chairperson of postgraduate exam committee (KIMS)

Dr. Jassim Al Abbad

- 1) Chairman, Department of Surgery, Mubarak Al Kabeer Hospital

b. Offices held in professional organizations

Dr. Ayed Adel Khader

- 1) Editor, Kuwait Medical Journal
- 2) Chairman, Faculty of Surgery, KIMS
- 3) Director, Postgraduate Surgical Training Programme, KIMS

Dr. Asfar Sami

- 1) Member, The Vascular Surgical Society of Great Britain and Ireland
- 2) Member, Association of Surgeons of Great Britain and Ireland
- 3) Fellow, American College of Surgeons
- 4) Member, Royal Society of Medicine, London
- 5) Member, International Hepato-Pancreato-Biliary Surgery Association
- 6) Member, American Hepato-Pancreato-Biliary Surgery Association
- 7) Member, The British Medical Association
- 8) Member, The British Transplantation Society
- 9) Member, The Transplantation Society
- 10) Member, International Liver Transplantation Society
- 11) Member, International College of Angiology
- 12) Member, International College of Surgeons

Dr. Behbehani Abdulla

- 1) Member, Kuwait Medical Association.
- 2) Member, International Society for research in trace elements in humans.
- 3) Member, International Society of Surgery (ISS)
- 4) Member of the Arab Board of Surgery, Damascus, Syria and Member, Examination Committee.

- 5) Fellow of the American College of Surgeons.
- 6) Member, Executive Council of Arab Board in Medical Specialization.

Dr. Dashti Hussein

- 1) Fellow of International College of Surgeons.
- 2) Member, Kuwait Medical Association.
- 3) Founder member of the International Society of Trace Element Research in Humans.
- 4) Member, International coordinating Committee of Afro-Asian Society for Advancement of Trace Element Research.
- 5) Member of European Society for Surgical Research.
- 6) Member of International Society of Surgery (ISS, SIC).
- 7) Member - Recruitment Screening Committee, Faculty of Medicine, Kuwait University.
- 8) Fellow of American College of Surgeons (FACS).
- 9) Fellow of the Royal College of Surgeons of Glasgow.

Dr. Al-Saleh Mervat

- 1) Member and Kuwait representative of NCCN – Mena Breast Cancer Guidelines Committee (National Comprehensive Cancer Network – Middle East Edition)
- 2) Member of the surgical oncology committee in the Arab Medical Association Against Cancer (AMAAC)
- 3) Member of the American Society of Breast Surgeons.
- 4) Member of the Association of Women Surgeons.
- 5) Member International Society of Surgeons (ISS)
- 6) Member International Association of the Surgeons of Trauma and Surgical Intensive Care. (IATSIC).
- 7) Member International Society of Cardiovascular Surgery.
- 8) Fellow of the American College of Surgeons.
- 9) Fellow of the Royal College of Surgeons of England.

c. Advisory editor services for professional journals

Dr. Ayed Adel Khader

- 1) Editor, Kuwait Medical Journal
- 2) Reviewer of Manuscripts for European Journal of Cardiothoracic Surgery

Dr. Asfar Sami

- 1) Reviewer & Advisory Board, Kuwait Medical Journal.
- 2) Reviewer, Saudi Medical Journal.
- 3) International Advisory Panel for the book Clinical Surgery. Editors: Michael M. Henry and Jermy N. Thompson. W.B. Saunders
- 4) Reviewer, Archives of Medical Research Journal.

- 5) Member of the Honorary Editorial Board of Cardiovascular Surgery & Nephrology Journal.
- 6) Member of the Honorary Editorial Board of Cardiovascular Diabetes & Lipid Research Journal.
- 7) Member of FOMAS “Faculty of Medicine Accreditation Committee”.
- 8) Reviewer, Clinical Transplantation Journal.

Dr. Dashti Hussein

- 1) Referee, Kuwait Medical Journal
- 2) Reviewer of Medical Principles and Practice
- 3) Reviewer of Nutrition Journal

Dr. Al-Saleh Mervat

- 1) Referee for Kuwait Medical Journal
- 2) Referee for Medical Principles and Practice

Dr. Behbehani Abdul Mutalib

- 1) Referee for Kuwait Medical Journal

Dr. Al-Sebeih Khalid

- 1) Referee, Kuwait Medical Journal

d. Active participation in professional conferences

Dr. Behbehani Abdulla

- 1) 4th Kuwait International Conference on Multidisciplinary management of Head and Neck cancer, April 12 – 15, 2017.

Dr. Salman Al Sabah

- 1) International Federation for Surgery of Obesity and Metabolic Disorders, (IFSO) 2016, Rio de Janeiro, Brazil. September 28 – October 01, 2016.
- 2) American Society for Metabolic and Bariatric Surgery, New Orleans, USA, October 31-November 04, 2016.
- 3) SAGES 2017 meeting in Houston, Texas, USA. March 22 – 25, 2017.

e. Service as external examiners outside Kuwait

Dr. Asfar Sami

- 1) External examiner in Surgery for the College of Medicine & Medical Sciences, Arabian Gulf University, Bahrain
- 2) External examiner in Surgery for Dubai Medical College.
- 3) Examiner, Arab Board Certificate in General Surgery

Dr. Behbehani Abdulla

- 1) External Examiner, Arab Board of Health Specialization, Basra, Iraq, February 2017

f. Contribution to committees in the Faculty of Medicine

Dr. Dashti Hussein

- 1) Chairman, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Chairman, Departmental Scholarship Committee
- 3) Chairman, Departmental Research Committee

Dr. Ayed Adel Khader

- 1) Dean Faculty of Medicine.
- 2) Ex-officio Examination Committee of Phase II Programme
- 3) Member, Faculty Council, Faculty of Medicine.

Dr. Asfar Sami

- 1) Member, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Member, Departmental Scholarship Committee
- 3) Member, Departmental Research Committee

Dr. Hunayan Adel

- 1) Member, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Member, Departmental Scholarship Committee
- 3) Chairman, Clinical Tutor Committee.

Dr. Al-Saleh Mervat

- 1) Member, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Chairperson, Departmental Curriculum and Examinations Committee.
- 3) Member, Departmental Scholarship Committee
- 4) Member, Clinical Tutor Committee.

Dr. Behbehani Abdul Mutalib

- 1) Chairman, Departmental Handicap Assessment Committee
- 2) Chairman, Departmental Safety Committee

Dr. Abul Fawzi

- 1) Chairman, Departmental Instrument Committee

Dr. Khalid Al Sebeih

- 1) Member, Departmental Instrument Committee

Dr. Al-Kandari Ahmed

- 1) 6th Year Phase III Co-ordinator
- 2) Member, Departmental Handicap Assessment Committee
- 3) Member, Departmental Instrument Committee

Dr. Mohammed Jamal

- 1) Departmental Scientific Affairs Advisory Committee Representative
- 2) Member, Departmental Scholarship Committee

Dr. Al-Asfar Fahad

- 1) Departmental Research Coordinator
- 2) Member, Departmental Research Committee

Dr. Al Bader Ibtisam

- 1) Member, Departmental Curriculum and Examinations Committee.
- 2) Member, Clinical Tutor Committee.

Dr. Jassim Al Abbad

- 1) Member, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Member, Departmental Curriculum and Examinations Committee.
- 3) Member, Departmental Instrument Committee
- 4) Exam Co-ordinator

Dr. Saad Al dosari

- 1) Member, Departmental Academic Staff Recruitment / Contract Renewal Committee.
- 2) Member, Departmental Curriculum and Examinations Committee.
- 3) Member, Departmental Research Committee
- 4) Member, Departmental Scholarship Committee

- 5) Member, Clinical Tutor Committee.

Dr. Al Haddad Ali Jerragh

- 1) 5th Year Phase III Co-ordinator
- 2) Member, Departmental Curriculum and Examinations Committee.
- 3) Member, Departmental Handicap Assessment Committee

Dr. Amar Al Naki

- 1) 7th Year Phase III Co-ordinator
- 2) 7th Year Chief invigilator
- 3) Member, Clinical Tutor Committee.
- 4) Member, Departmental Curriculum and Examinations Committee.
- 5) Member, Departmental Research Committee
- 6) Member, Departmental Handicap Assessment Committee
- 7) Member, Departmental Safety Committee

Dr. Saud Al Zaid

- 1) Member, Departmental Curriculum and Examinations Committee.
- 2) Member, Departmental Instrument Committee
- 3) Member, Departmental Handicap Assessment Committee
- 4) Member, Departmental Safety Committee
- 5) Member, Clinical Tutor Committee.

Dr. Salman Al Sabah

- 1) Member, Departmental Research Committee

Dr. Ahmed Al-Khamis

- 1) Member, Departmental Curriculum and Examinations Committee.

g. Contribution to committees outside the Faculty

Dr. Ayed Adel Khader

- 1) Represent Faculty of Medicine in University Scholarship Committee
- 2) Represent the Faculty of Medicine in University Scientific Council.

Dr. Behbehani Abdulla

- 1) Consultant – Court medical cases.
- 2) Member of Kuwait Association for the Care of Children in Hospital (KACCH)

Dr. Al-Sebeih Khalid

- 1) Board Member in the Kuwait Red Crescent
- 2) Chairman of the Kuwait Cochlear Implant Team
- 3) Board Member in Al-Razi Holding Company

h. Professional Development Attendance/Participation in Educational Courses

NIL

CONCLUSION

Another academic year has come to a close and our new curriculum has turned eight years. It is firmly established, running smoothly and all the initial hiccups have been straightened.

This year the examination results were good and it is as follows: Out of the 99 students that appeared for the 5th year examination all passed with 2 getting A grade. Out of 114 students appeared for the 6th year examination all passed with 2 getting A- grade. Out of 101 students that appeared for the 7th year examinations all passed with 6 students getting A grade. We had no failures for the 5th 6th and 7th years.

Grades	5th Year	6th Year	7th Year
A	3	-	6
A-	15	2	14
B+	30	24	50
B	34	49	27
B-	15	32	4
C+	2	6	-
C	-	1	-

F	-	-	-
Total	99	114	101

We had four external examiners, two from UK and two from Canada. All of them were pleased with the way the examinations were arranged and conducted. They reviewed our MCQs and said that the questions were fair and at par with the type of questions they used.

With the University's scholarship program in place, we are able to recruit promising and dedicated doctors to fill the vacancies we had in the various surgical specialties.

This year we had five doctors applying for scholarship training. After interviewing them, four were accepted by the Department and later by the Faculty Scholarship Screening Committee. We hope the four would be accepted by the University. With these four, the Department is becoming self-sufficient and we will have enough Faculty staff to reduce the Departmental dependence on Clinical Tutors.

BIOMEDICAL ENGINEERING UNIT

INTRODUCTION

Objectives of departmental programs

The first steps were taken to establish a Bioengineering Unit (BEU) in 1977. Initially, it was part of the Physiology Department until, in 1984, it was moved to the new building of the Faculty of Medicine in Jabriya to provide faculty-wide bioengineering assistance. The unit consists of the Electronic Workshop (oriented toward biomedical electronics) and the Mechanical Workshop (oriented toward biomedical mechanics). The workshops are mutually dependent and closely joined as biomedical engineering disciplines. Both contribute significantly to the faculty in terms of providing biomedical engineering-related services and support for the teaching, research, and clinical activities of other departments.

The Electronic Workshop offers the following services:

- Guidance in the selection of new instruments, installation, and commissioning; training of operators.
- Advice concerning measuring methods for research, modifications, and interfacing instruments from different manufacturers; assembly of measuring systems.
- Design and production of single-purpose instruments for research.
- Diagnosis of technical problems; repairing faulty instruments; preventive and corrective maintenance.
- Advice regarding external service contracts (estimation of workload, evaluation of cost).
- Advice regarding the selection and purchase of essential spare parts; coordination with other departments.
- Demonstration of instruments during practical classes; explaining principles and teaching students how to operate instruments.
- Periodical electrical safety inspections and correction of ascertained problems.
- Help with the training of junior technical staff.
- Checking all departments' equipment before approving for discard.

Other main duties:

- Stock-taking of laboratory equipment.
- Stock-taking of electronic components.
- Installation of new equipment.
- Supporting the reinstallation of varied equipment in other departments.
- Supporting teaching activities.
- Supporting research work.

The Mechanical Workshop offers the following services:

- Mechanical repair of faculty instruments for teaching and research.
- Mechanical modification and adaptation of instruments as required by research.

- Mechanical design and production of simple-purpose instruments for teaching and research.
- Consultations concerning mechanical qualities of new instruments and equipment planned for other departments.
- Manufacturing of metal and plastic parts as per delivered drawings or models. (Note: No facilities for glass working or glass blowing).
- Installation of new instruments; helping companies with installations.
- Cooperation with the Maintenance and Engineering Department.
- Preventive maintenance of mechanical instruments and systems.

Other main duties:

- Stock-taking of workshop equipment.
- Stock-taking of mechanical materials.
- Completing the necessary tools.
- Supporting the installation and reinstallation of varied equipment in other departments.
- Covering biomechanical needs combined with teaching and research activities in other departments.

Obstacles to meeting these objectives:

A stock-take of the general use of electronic components is important and necessary for the servicing of existing instrumentation and design of new instruments, especially as required by teaching and research programs. Stock requires continuous replenishment and updating with new components.

It would greatly improve the efficiency of instrument utilization (financial savings, better maintenance) to request the following simultaneously with purchase orders for new equipment:

1. Service manuals and single-purpose tools.
2. Stock of spare parts.
3. Estimation of costs of service contracts.

Current developments:

Both the Electronic and Mechanical Workshop are fully integrated in departmental educational and scientific activities. The BEU is prepared to provide technical help to newly-established faculties.

PERSONNEL

ACADEMIC STAFF

Dr. Ali S. Shuaib, B.Sc., M.Sc., Ph.D.
Director of BEU
Assistant Professor, Department of Physiology

Dr. Ali K. Bourisly, B.Sc., M.Sc., Ph.D.
Assistant Professor, Department of Physiology

Dr. Laila K. Habib, B.Sc., M.Sc., Ph.D.
Assistant Professor, Department of Physiology

TECHNICAL STAFF

a) Electronic workshop:

- Mr. Vladimir Zika, B.Sc.
Chief Technician, Electronic & Biomedical Engineering

- Mrs. Grace Gejo
Engineer

b) Mechanical workshop:

- Mr. Rudolf Kusy, Cert. Eng.
Chief Technician, Mechanical Engineering

CONTRIBUTION

The main function of the Electronic and Mechanical Workshops is to provide services for other academic departments. Major jobs are requested on standard forms, with the approval of the departmental chairman. Minor jobs are requested verbally. Many major and minor jobs have been completed so far this academic year (as well as inspection of equipment for discard) in the BEU (both Electronic and Mechanical Workshops). The BEU saves money, and, more importantly, time for all at the Health Science Center (HSC).

PROSPECTIVE FUTURE PLAN

- 1-Employ sufficient technical staff to increase the number of jobs completed per year.
- 2-Involve more in HSC research, from device modification to custom set-up building devices.
- 3-Establish a medical instrument to teach HSC students the basics of instruments.

- 4-Establish an imaging lab to expose HSC students to the latest optical imaging and functional neuroimaging.

CONCLUSIONS

The BEU provides biomedical engineering-related assistance to the HSC in teaching and research activities as standard. In addition, important work is undertaken in the repair and/or completion of defective or damaged instruments for all HSC units. Assistance from Faculty to improve the BEU is required to enhance the unit's service performance and to establish instrumentation and imaging laboratories to educate HSC students and staff on medical instruments.

CENTRE FOR MEDICAL EDUCATION

INTRODUCTION

The Centre for Medical Education (CME) provides oversight for the development, direction and coordination of all curricular and continuing medical education activities of the Faculty of Medicine in accordance with the overall mission and objectives of the faculty of medicine. The Centre works closely with the appointed Faculty who coordinate and direct all phases and components of the program, including module coordinators, phase committees, assessment committees, clinical skill coordinators, PBL coordination group and ad-hoc planning groups.

The CME also coordinates actively with the Faculty Academic Accreditation Committee to follow through accreditation policies and procedures and ongoing status of the CME program.

The main working load by the members is administrative related to every module, theoretical test, OSCE/OSPE, and module and staff evaluations. The teaching load though is limited to remedial classes and coordination of clinical skills training sessions. However, the Director of the Unit is actively involved in teaching both at the Undergraduate and Post graduate level. The research component is getting active within the unit and in cooperation with other departments.

Mission:

The overall mission of the Centre is to provide leadership for the Faculty of Medicine's undergraduate program and support its educational mission.

The Centre provides the following services:

- Support the planning and review of all the three phases of the new curriculum
- Assist the delivery of scheduled teaching, learning resources and associated programs
- Hold training workshops under the theme 'Faculty Capacity Development' to enhance faculty development with new educational skills i.e. PBLs, clinical skills teaching
- Hold training workshops for simulated patients used during the clinical skill sessions and structured clinical examinations (OSCEs)
- Organize quality assurance indicators for all aspects of the new curriculum
- Enhance the delivery of comprehensive high quality student assessment
- Quality assurance of student assessments and maintain the central question bank
- Provide immediate detailed electronic graphic feedback to students on their academic
- Suggest remedial courses/support to students
- Develop an environment of continuous quality improvement through faculty and student feedback
- Develop innovations to support the delivery of a world class educational experience
- Introduce and encourage Faculty in the use of Best Evidence Medical Education
- Promote the Faculty of Medicine as a centre of excellence in Medical Education
- Initiate scholarship and research in the field of Medical Education

- The Faculty Assessment Office established to deliver such services as formatting test questions as per the in-house style, scoring, analysis of students and questions performance, standard setting, and administration of Faculty of medicine Question Bank.

The CME works under the direct supervision of the Vice Dean Academic (VDA) in managing the medical education program.

MANPOWER

Director

Prof. Jamshaid Iqbal

Teaching Assistants

Mr. Ahmed M Mohammed, B.Sc., M.Sc., NMBC, MHPE,

Dr. Annie Pothen, MBBS., MS, DLO,

Dr. Julie Jacob Varghese MBBS, MD (Physiology),

Assessment Officer

Clinical Skills Coordinator

Clinical Skills Coordinator

SUPPORT STAFF

Technicians

Mrs. Preethi John, Laboratory technician

Mrs. Sumitha Satheesh, M.Sc., BEd, PGDCA,

Mrs. Preetha Merin Thomas, B. Tech (Eng.)

2nd Year Modules Administrator

*3rd Year Modules and Phase III
Administrator*

*4th Year Modules and Phase III
Administrator*

Annual report is based on the following activities by the CME:

- I. Academic and Training activities by the CME
 - a. Faculty Capacity Development Workshops
- II. Quality assurance & Review of Curriculum
- III. Assessment Office
- IV. Students Guidance
- V. Academic accreditation activities
- VI. Academic & Research Activities by the CME Director
- VII. Major concerns and areas of improvements

I. Academic Training Activities undertaken by the Centre

Training Courses & Workshops Organized & Conducted

A. Faculty Capacity Development Workshops:

1. Faculty Development Workshop on 'Phase III Clinical Curriculum Development Workshop' Abdul Razzak Auditorium, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 31st March- 4th April, 2019. [Invited speaker: Prof. Dean Sussex & Brighton Medical School, UK.
2. Faculty Development Workshop on 'Clinical Skill Training' for Trainers' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 19th September, 2018.
3. Faculty Development Workshop on 'PBL Facilitation: steps and dynamics of PBL' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 18th September, 2018.
4. Faculty Development Workshop on 'Assessment Item Writing & Analysis' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 17th September, 2018
 - i. A 2-hour session on introduction and understanding of new Assessment tools, writing Multiple Choice Questions, Extended Matching Questions and Multiple Essay Questions, Item writing flaws, Faculty regulations on assessment, Item analysis of questions, distribution of relevant printed material, Q & A session
 - ii. A 1-hour practice session on analysis of sample questions, editing fixing the flaws of sample questions by the participants.
5. Faculty Development Workshop on 'New Curriculum' Centre for Medical Education, Faculty of Medicine, Kuwait University, Jabriya, Kuwait. 16th September, 2018

B. CPR Training Course for Phase II 4th Year Students

A basic CPR training program was organized for 4th Year students February-March 2019

C. Training Programs for Standardized Patients (SPs):

Phase II

1. SPs for history givers & Communication skills -Revisit

Objective: Train SPs to present case History in response to questioning by students

Dates: 4 Training workshops during 2018-2019

Target Group: 15 Teaching Assistants & 21 Scientific Assistants

Conducted by: Prof. Jamshaid Iqbal, Dr. Saud Al-Enezi, Dr. Fatima K. Ali

2. SPs for history givers & Communication skills – Scientific Assistants

Objective: Train New SPs to present case History in response to questioning by students
Date: 3 Training sessions in 2018-19
Target Group: 12 New Scientific Assistants
Conducted by: Prof. Jamshaid Iqbal

Each training session included briefing on the SP program, Q & A on the transcript, Role modelling & dry run of the case scenarios, responses to SPs questions etc.

3. SPs for Physical Examinations

Objective: Train SPs to undergo a limited Physical Examination at the Tutor & students' direction
Date: 5 Training sessions in 2018-19
Target Group: 18 SPs
Conducted by: Prof. Jamshaid Iqbal, Dr. Annie & Dr. Julie

Each training session included detailed briefing, preparation for the Physical examination and Demo of the Physical Examination.

B. Contribution to other Faculties & Committees

1. Assisting KIMS in improving their scoring system and item analysis.
2. Assisting the Department of Microbiology Curriculum Committee in reviewing the Microbiology content contribution in Foundation Block II and I & I Module for the Years 2018-2019
3. Assisting the Phase II OSPE Committee in review, coordination and conduction of OSPE I & OSPE Assessments for the 3rd & 4th Year Medical/Dental students for the Year 2018-2019
4. Providing the Examination Committee with detailed reports on the performance of both the students and the questions in every exam paper.
5. Participation in the process of establishing the new clinical training skills lab and Medical Education Centre.

Faculty of Pharmacy

A 4-week Basic Clinical Skill Program was conducted for Pharm D students
Coordinator: Dr. Saud Al-Enezi

II. Quality Assurance and Review of the Curriculum (2018-2019):

CME is actively engaged in quality assurance and review of the curriculum following feedback from the Faculty Staff, External Examiners and students. Important changes are

made in the Lecture topics, PBL cases, clinical skill sessions and hospital visits in coordination with respective Module coordinators.

All changes are discussed and approved by the Module Coordination Committee and Vice Dean Academic and the major changes are endorsed by the Faculty Curriculum Committee.

The following review were undertaken during the academic year 2018-19:

1. Framework for Phase III clinical Rotations

A plan to develop a common framework for Phase III clinical rotations is initiated with the following points:

- 1, Clinical Rotation Educational Outcomes
- 2, Specific Rotation Outcomes/Objectives for Year 7 (Graduating Year)
- 3, Curriculum mapping of Fundamental skills or Competencies
- 4, Outline of Clinical Rotation Program/Course Description
 - Rotation Objectives and Description

2. Development of a new Module Report by Module Coordinators

3. Review of Phase II Modules:

a, Respiratory and Renal Modules

An extensive review of Respiratory and Renal modules was undertaken in coordination with respective Module coordinators following feedback from the Faculty Staff, External Examiners and students. Important changes were made in the Lecture topics, PBL cases and hospital visits.

b, Review of Radiology teaching

An in-depth review of Radiology teaching sessions esp in Respiratory and Digestive modules was undertaken following student's feedback and concerns. Appropriate changes were suggested for the Respiratory module teaching the sessions in small group of students during the Clinical skill Sessions.

c, Review of Clinical Skill Sessions:

Review was undertaken following feedback from the Staff and introduction of recent Faculty regulation declaring clinical skill assessments a non-compensatory assessment component. Appropriate changes in clinical skill sessions were made to align the related clinical skills to the respective modules and to introduce two weeks of 'supervised practice sessions' for students at the end of each module.

i. Separation of Renal from RRB module

Reproductive Clinical skill Reviewers: Dr. Jehad Al-Herrmi, Dr. Fatima K. Ali, Dr. J. Iqbal

The students were given clinical skill training sessions by the Gynae Clinical Tutors in the Clinical Skill lab at the Faculty of Medicine rather than at the hospital

ii, Renal Clinical skill Reviewers: Dr. Wael El-Reshaid, Dr. Fatima K. Ali, Dr. J. Iqbal

iii. Review of Musculoskeletal (MSK) Clinical Skill sessions

Clinical skill sessions were reviewed and modified to more practical approach at the skill level 1 & 2. New stations were also introduced on knee and shoulder joints

Reviewers: Dr. Ali, MSK Module coordinator, Dr. Saud Al-Enezi, Dr. Jamshaid Iqbal

iv, Practice & Formative OSCE sessions: The 2 weeks of 'Supervised Practice sessions' were organized for 3rd & 4th Year students. Appropriate feedbacks were given to the students.

v. Review of History Transcripts for SPs in Clinical Skill sessions:

A detailed review of history transcripts were continued to be undertaken after SPs training sessions following SP's feedback on their experiences with students' questions. A total of 10 transcripts were revised and finalized for training & assessment.

Reviewer: Prof. Jamshaid Iqbal

III. Assessment Office:

1. Review of Phase II Assessments Questions:

Being the Chairman, Phase II Examination Committee, Question-mapping and Review of the following assessments were done with members of the Exam Committee:

- | | |
|--|-----------|
| A, Review of all Year 3 & Year 4 End-of-Module Assessment Questions | 2018-19 |
| B, Review of Year 3 & Year 4 End-of-Year Final Examination Questions | 2018-19 |
| C, Review of Year 3 & 4 OSPE & Final OSCE stations | 2018-2019 |

2. Item analysis & Approval of Phase II Assessments Exams:

All Phase II Module end-of-module assessments, OSPEs and OSCEs were reviewed with item analysis and feedback sent to students and the concerned departments:

[Blood, CVS, Respiratory system, Endocrine, Nervous system, Renal Module, Reproductive, Breast Module, Digestive system].

3. Introduction of new student End-of-Module Exam report form:

i, A detailed graphic presentation of student's performance with relation to class performance was introduced in 2016 with strongly positive student feedback.

ii, Introduction of new online feedback forms by students and the Faculty

4. Maintenance of Question Bank

All itemized questions with their respective ID are stored in the questions bank for safe record and review. All items are stored in encrypted form for safe keeping. The items are open for use by the module coordinators under supervision.

IV. Student Guidance:

The students, in need, are counselled on their Academic Performance by detailed review of their Assessment record following each Module Assessment. The students are referred by the VDA Office for guidance.

The students are guided on their performance and Effective time management.

V. Academic Accreditation activities

The Director, CME is a member of the Faculty Academic Accreditation Committee and is actively in the preparation of Self-evaluation accreditation document.

Consultant, Microbiology, Mubarak Al-Kabir Hospital, Kuwait

VI. Academic & Research Activities by the CME Director

Prof. Jamshaid Iqbal

I. Teaching

Faculty of Medicine

Teaching:	Semester I	Semester II	Total
Undergraduate Teaching:	128	111	239 Hours
Graduate Teaching:			
MSc	83	106	189 Hours
PhD		60	60 Hours
KIMS Board	34	65	99 Hours

[Detail in the department of Microbiology annual report]

II. Research Activities

i, Dissertation Supervision of MSc

Dissertation Supervision of MSc student Miss Nourah Al-Shammari, Department of Microbiology entitled 'Seroprevalence and subtyping of *Toxoplasma gondii* infection in

pregnant women in Kuwait’ in collaboration with Prof. Suhail Ahmen, Department of Microbiology, Faculty of Medicine.

ii, Dissertation Supervision of PhD

Dissertation Supervision of PhD student Mohammad Al-Awadi, Department of Microbiology entitled ‘*Detection of Taeniasis & Cysticercosis in Kuwait and determination of High risk factors*’ is continued.

iii, Medical Education pilot Studies by Students:

i, Evaluation of Student’s feedback on Medical Curriculum- their Experience – *Graduating Students*

ii, Social & cultural impact on learning clinical skills- myth or a fact - *Phase II Student group*

Publications & Technical Reports

I. Technical reports (*submitted to the Dean & Vice Dean Academic, Faculty of Medicine*)

1. Updated Feedback forms

- a. Electronic feedback on Written Assessments
- b. Electronic feedback on CPR performance
- c. Electronic feedback on Departmental performance
- d. Phase II Module Evaluation by students
- e. Phase II PBL Performance Evaluation by Facilitators
- f. Hospital visit objectives for Clinical Tutors
- g. Student Evaluation by Clinical Tutors
- h. Clinical Evaluation by Students

2. End of the Year Summary/Recommendation report of Phase II examination Committee
[in preparation, ready for submission in June 2019]

II. Scientific Papers Presented & Attended:

a) Invited Speaker for Oral Presentation & Chairmanship

1. KIMS symposium on ‘Update in Clinical Microbiology and Infectious Diseases’
Session Chairman. Abdulrazak Auditorium, Faculty of Medicine, Kuwait University, Jabriya, Kuwait, April 7-9, 2019.
2. Faculty Development Workshop, ‘Phase III Curriculum Review’ **Organized**. Clinical skill Lab Auditorium, Faculty of Medicine, Kuwait University, Kuwait March 31st – April 3rd, 2019.
3. ‘18th Conference on recent advances in Clinical Virology’ *Session Chairman*. Shaikh Jaber Al-Ahmad Cultural Centre, Kuwait, March, 27-28th 2019.

4. Faculty seminar on 'Reflection & Feedback as Conceptualized and Practiced: *FOM Hanging in the Middle*' Abdul Razzak Auditorium, Faculty of Medicine, Kuwait, 13th November, 2018

b) Poster Presentation

1. Seroprevalence of *Toxoplasma gondii* infection among pregnant women in Kuwait.
24th Health Sciences Poster Conference, Faculty of Medicine, Kuwait University, Jabriya, Kuwait, 12-14th March. 2019.
2. Molecular surveillance of *Cryptosporidium* infection in children in Kuwait.
International Conference on Emerging Infectious Diseases, Centre for Disease Control, (CDC), Atlanta, USA, August, 26-29, 2018.

Participation in Administration & Committees

Kuwait University Committees

Kuwait University Faculty Association, Academic-subcommittee

Faculty of Medicine

Administrative Positions:

Director, Centre for Medical Education, Faculty of Medicine

Director, Clinical skill Laboratory

Chairman, Phase II Examination Committee

Faculty Committees

1. Chairman, Phase II Examination Committee
2. Coordinator, Phase II Clinical Skill
3. Chairman, Clinical Skill Review Committee
4. Member, Phase III Curriculum Review Committee
5. Member, Faculty Accreditation Committee

Department of Microbiology

Appointment & Promotion Committee

Committees outside the Faculty

Member, Kuwaiti Board in Clinical Microbiology, KIMS

Advisory Editor services for Professional Journals

Reviewer:

1. American Journal of Tropical Medicine and Hygiene, USA
2. The Journal of Medical Microbiology, UK
3. Kuwait Medical Journal (KMJ), Kuwait
4. Eastern Mediterranean Health Journal (EMRO/WHO)
5. Journal of Medical Science Monitor (MSM), USA
6. Journal of Tropical Medicine and International Health, UK

Community Services

Consultant Clinical Microbiologist, Mubarak Al-Kabir Hospital

VII. Concerns & Areas of Improvement

The Center for Medication is an important component of Faculty of Medicine that provides oversight for the development, direction and coordination of all curricular and continuing medical education activities of the Faculty. However, the current somewhat *ad hoc status* severely compromises its capacity to function both administratively and academically to fulfill its desired activities. The designation of Center for Medical Education as a independent Center/department under Vice Dean Academic by the Faculty and the University is strongly suggested as is envisaged by the Academic Curriculum Accreditation Standards.

**MEDICAL PHOTOGRAPHY
AND ILLUSTRATION UNIT**

INTRODUCTION

Medical Photography and Illustration: Provides basic Teaching, Research, Publication and Presentation facilities to the academic staff in the form of Digital Slides, all kinds of prints, Scanning the documents, clinical specimens. It also provides help in documentations of clinical cases through video or still photography while in operation theatre or in hospital wards and at the skill-lab.

Research Posters: This unit is supplying all types of help through Poster making and printing posters for Poster conferences of HSC and for academic missions outside the Kuwait.

Videography of different ceremonies, conferences, lectures etc, including copying different video formats to other digital formats for the Faculties of Medicine, and in limitation to Allied Health, Dentistry, Pharmacy and Public health. Most of the video jobs are from faculty of Medicine. This includes the videography of International conference, Consultation office workshops, Annual Poster Conference, seminars workshops of HSC and farewells, and many other programs organized by other faculties of HSC (in limitations depending upon time and staff availability in our unit).

This unit provides personal images of more than 400 Staff of Faculty of Medicine to the administration for publishing Annual Staff-Student “Hand Book” every year. We also provide the images of faculty activities to the Media section of the faculty for publishing in “Afaq” and local newspapers and other magazines.

JOB REVIEW

The following is the summary of the main output from this Unit (May 2018-April 2019) of the Academic year 2018-2019.

IMAGES	=	8824
PRINTS	=	380
SCANNINGS	=	500
POSTERS	=	170
VIDEO SESSIONS	=	320 hours

In addition, the unit assisted in different workshops, seminars, examinations, training and conferences for the coverage of videography and Media Presentation, Clinical and Surgical documentation from hospital for Teaching and Research purpose. This activity is gradually increasing. Due to the limited staff and equipment we provide these services to other faculties of HSC depending upon availability of staff /time.

Equipments:

We have two A4 table top color printers for printing different sizes of prints. One large Format Poster printer purchased in 2011. This printer has been used too much and needs to be replaced with new one.

We have One mini DV video camera (Sony HDV purchased in 2009)

Due to the continuous changes in technology we purchased in 2016 Two Panasonic digital video cameras with memory cards which are now in use.

For Video-Editing we have one computer with software purchased in 2011.

We have four digital Photographic cameras for still photography, out of it two cameras are almost 12 years old have completed their life because of too much use.

We have one Photograph printing machine which is more than 13 years old and out of maintenance for 6 years due to denial for maintenance from manufacturer because model is very old and spare parts are not available.

PRESENT SITUATION IN THE UNIT.

At the time, when this unit was providing service only for faculty of Medicine, the unit had 5 technical staff members. At present the unit has 1 chief technician, one technician. We are only two (including me) persons for five faculties. The unit is also providing its services at some time for seminars, lectures and workshops held by the KIMS and organized by faculty of medicine academic staff in this campus.

Photography Archive-We have a very good Digital photograph Archive of most of the staff and events comprising a history of faculty of medicine since 1976. This archive is done by scanning all the photographs and negatives of the events and staffs of this faculty and this job is done by a work of years on the scanner and computer and still this is a continue process.

Video Archive-A Digital Video Archive is also in the department comprising conferences, Poster-days, lectures, workshops and graduation ceremonies. Another very large number (400 pcs.) of VHS Video Archive of the activities of this faculty is also in our unit.

FUTURE PLAN

To cope with the service demands, budget should be increased for this unit. We must purchase a new poster printer because present printer is more than 8years old. We need to buy one new photographic camera, one video editing computer with editing software and 32 inch LCD, one 1000 GB external hard disk. We must have two trained staff in this field as soon as possible.

CURRENT STAFF.

- | | | |
|----|----------------------|------------------------------|
| 1. | Mohammad Siddique | Chief Technician & In-charge |
| 2. | H Zakir Hussain | Printing Lab. Technician |
| 3. | Ms. Dana Al-Jarallah | Media researcher |

MULTIDISCIPLINARY LABORATORIES

INTRODUCTION

The Multidisciplinary Laboratories (MDL) is a central facility unit for all departments of Faculty of Medicine. It has five lecture theatres, eight seminar rooms, seven laboratories and two demonstration rooms under its control. MDL unit is responsible for providing all facilities required for conducting teaching sessions (theory, practical and clinical skill lab classes) for students, conducting seminars, symposiums, workshops and such other academic events in the premises of the Faculty of Medicine.

The unit is well equipped with latest teaching facilities, audio visual equipment and laboratory equipment. All the Lecture theaters and seminar rooms have video data projectors, overhead projectors, Computers and other teaching aids. The MDL provides audio visual support to all the teaching venues.

A liquid nitrogen plant has been running under the care of the MDL unit to meet the liquid nitrogen requirements for different departments of the Faculty of Medicine. On emergency situations we supply liquid nitrogen to other Faculties of Kuwait University.

The teaching sessions for the Faculty of Dentistry, Pharmacy as well as for the Faculty of Allied Health Sciences were also conducted efficiently using the facilities of MDL unit.

The MDL was initially providing the required support for the newly established Clinical Skills Lab.

Objectives:

The main objective of the MDL unit is to ensure an efficient support for the smooth functioning of the academic activities of the Faculty of Medicine.

MDL PREMISES

a) Lecture theaters:

Lecture theatre 1-41 is mainly assigned to the 2nd year students.

Lecture theatre 1-42 is used by the 3rd year students.

Lecture theatre 1-43 is mainly used for classes for 4th year students.

Lecture theatre 0-10 is used for smaller size classes such as English, Faculty of Pharmacy, or Faculty of Allied Health Sciences.

Abdulrazzak Auditorium (Lecture theatre 1-44): This is specially designed for conducting seminars, workshops, conferences and meetings in addition to normal teaching sessions. It is also equipped with Polygon cameras and video conferencing equipment for the distant learning courses. It is also used for Medical School Day teaching for 5th, 6th and 7th year students.

b) Seminar rooms:

All the seven rooms are used for teaching purposes by all the academic departments in the Faculty.

c) Laboratories:

MDL 1 & 2 are microscopy labs used by Anatomy, Pathology and Microbiology departments for their practical sessions.

MDL 3, 4 are mainly used for the practical sessions for Physiology and Biochemistry and Microbiology.

MDL 5, 6, 7 & 8 are also used for the practical sessions for Anatomy, Microbiology and Pathology, Physiology and Biochemistry.

d) Demonstration rooms:

Room # 0- 29 is a demonstration room used by anatomy and pathology.

Room# 0-39 (MDL-8) is also using as a class room / lab which can accommodate around 25 students.

DEPARTMENTAL ACTIVITIES

The unit continues to play a full and active role in academic activities. The New curriculum has been running smoothly in a high and effective manner with the help of MDL staff.

MDL has supported all the teaching activities including practical sessions, accommodated and supported all the international conferences, seminars, workshops and other functions scheduled in the faculty for Faculty of Medicine, Faculty of Dentistry and Faculty of Allied Health Sciences and the Health Science Centre.

FACULTY ASSEMBLY MINUTES

A/5/1
20/06/2019

FACULTY OF MEDICINE
HEALTH SCIENCES CENTER
KUWAIT UNIVERSITY

Minutes of the meeting of the Faculty Assembly held on Thursday, June 20, 2019 at 2.30 pm in the Abdulrazzak Auditorium.

The Dean welcomed all staffs to the Faculty Assembly of this academic year.

Addressing the assembly, the Dean took the opportunity to asseverate his gratitude to all the academic staff, support staff, technical and other staff of Faculty of Medicine for their achievement and support to the Faculty of Medicine this year. According to the Dean, this was a successful year and he wished that the good work continues in the coming years too.

The Dean commenced his report with the education part by summarizing the achievements of academic year 2018-2019 and subsequent plans for succeeding academic years in terms of Education.

The Dean explained that the University Council has decided to increase the number of intake of students by 15% for the succeeding academic year because of the pressure from the government; demanding an increase in number of students. The Dean apparently stated that, External examiners commented on the level of students from Faculty of Medicine. It was noted that the student performance from Kuwait University is equivalent to and may exceed the level of students from any other university worldwide. The Dean expressed his sincere thanks to all the staff for their efforts which has brought the Faculty of Medicine to highest endeavors.

The Dean was happy to announce the results of our students to the Assembly. The number of 7th year students who successfully graduated this year is 101 students; this is 100 percent passing result the first time in the history of Faculty of Medicine, Kuwait University. We had external examiners from different countries like UK, Canada, Australia, South Africa all of them commented on the level of our students and were very happy with the student performance.

For accreditation, the Dean stated that we have completed self-evaluation report according to the TEPDAD. Self-evaluation report is intended to provide preliminary information about medical schools applying for accreditation before online visit evaluation self-level of meeting the WFME (World Federation for Medical Education) standards for basic medical education. The Dean also conveyed his sincere thanks to Prof. Widad Al-Nakib (Head of Accreditation Committee). The Dean also mentioned that the University Council has approved TEPDAD and recently a contract has been

signed by President of Kuwait University and Chairman of TEPDAD for Accreditation of our medical school. First 50% advance money for the evaluation will be transferred soon and hopefully within 6 months the medical school will be accredited by a national body recognized by “World Federation of Medical Education”.

With regards to the curriculum, there are few changes that will be implemented in the next academic year 2019-2020.

- a. There are changes in the foundation block courses for Year 2. The credits have been increase from 8 to **11** for semester 2 and this has been approved by the University Scientific Council.
- b. There is also modification in the curriculum map for year 3 and year 4 for the next academic year with an **increase in number of weeks**. Since the Holy month of Ramadan is approaching earlier we will be back to our normal number of weeks.
- c. The Renal and Reproductive module (8 credits) is now modified **into 2 separate modules** (6 credits each).
- d. For year 4 electives, we have implemented new guidelines which were approved by the Faculty Council and now the grading is a **Pass/Fail**.

Two workshops were conducted successfully this year on curriculum development and examination blue print related matters. The examination office has been established recently in the administration area; there is now a big area to conduct examinations for all years.

The Dean addressed the assembly about implementation of the new grading system for Faculty of Medicine. Changes in our grading scale will affect positively in all aspects. Opportunity will increase for our students even if they apply for scholarship/specialization.

The Dean informed the Assembly about online registration for students starting next academic year 2019-2020; staff in Student Affairs have been trained accordingly. Also there is now an electronic system for archiving of all graduate files. Those paper files occupied a lot of space and hence a proper system to accommodate almost 3,000 files has been arranged. The undergraduate faculty handbook for year 2019-2020 has been updated. The reading room was renovated from a generous donation from Dr. Khalid Al-Nassar. There is also a new dissection room which we will be opening soon.

The Dean reported to the Assembly the statistics of the Faculty students/graduates in the USMLE examinations for the academic year 2018-19. For Step 1, ten students wrote the examinations and

seven students passed; with a pass percentage of 70% compared to 80% for all international medical graduates. For Step 2, in favor of clinical encounter communication and interpersonal skills, 10 students wrote the examinations and eight passed; with a pass percentage of 80% compared to 75% for all international medical graduates. For the clinical knowledge part for step 2, nine students wrote the examination and 7 passed; with a pass percentage of 77.8%, comparing to the 84% of all international medical graduates.

Regarding research, the Dean reported that during the academic year 2018-19 (till May 2019), ongoing projects were 57 at a cost of KD 5.5 million and the completed projects were 4, at a budget of KD 537,298/-

This year 8 projects (one of them is Nuclear Medicine project at KD 491,000/- for general facility) were approved with a total budget of KD 655,050/-. The Dean informed the Assembly that there are five ongoing research grants.

For Research Core Facility (RCF), two grants are funding the facility; The Research Unit for Genomics, Proteomics and Cellomics Sciences at a budget of KD 359,812/- and Equipment for Genomics, Proteomics and Cellomics Studies Research has approved a budget of KD 1,008,162/-. The achievement of RCF in 2018/2019 contributed to the publication of 21 research papers in peer reviewed, high impact research journals (8 in Q1 journals). There were 30 abstracts/posters published in conferences.

Funded project publications were 40 for year 2018-2019 comparing to year 2017-2018 it was 65. Unfunded projects publications were 51 for year 2018-2019, while for 2017-2018 it was 89.

The Medical Research Committee screened 7 applications during the academic year 2018-2019. Four grants were recommended for funding and three new grants for processing.

HSC Ethical Committee met four times this year and 55 projects were screened and permission granted.

The 24th Annual Health Sciences Poster Conference was held during the period March 12 to 14, 2019 and Prof. Sami Asfar, Professor of Surgery, Faculty of Medicine was the Keynote speaker. The keynote presentation was entitled “What it takes to become an academic surgeon”. This year there were 213 poster abstracts.

There are 9 running programs in M.Sc. and 6 Ph.D. programs in the Faculty.

For administration part, the Dean informed the Assembly that one support academic staff was appointed in Microbiology. Two Academic staff joined the Department of Microbiology, one academic staff joined the Department of Pharmacology & Toxicology, two academic staff joined the Department of Physiology and one academic staff joined the Department of Surgery. Eleven

technicians joined this year (Anatomy – 1, Biochemistry – 1, Medicine – 1, Microbiology – 3, Pathology – 2, Pediatrics – 1, Pharmacology & Toxicology – 1, Psychiatry – 1). No chief technicians joined this year. A total of six secretaries joined this year (Surgery - 1, Physiology - 1, Nuclear Medicine – 1, Administration – 3). Five administrative staffs joined the faculty.

Conversely there are few resignations as well. Four academic staff resigned this year (Anatomy – 1, Community Medicine – 1, Medicine – 2). Thirteen technicians resigned (Biochemistry -1, Community Medicine – 3, Microbiology - 1, Pathology – 1, Pediatrics – 1, Pharmacology & Toxicology – 1, Physiology – 1, Psychiatry - 1, Obstetrics & Gynecology - 1, Surgery - 1, Animal House – 1). One lab assistant resigned from the Department of Medicine. Seven secretaries have resigned (Surgery – 1, Medicine – 1, Physiology – 2, Administration – 3). Eight Administrative staff have resigned (Nuclear Medicine – 1, Psychiatry – 1, Medical Photography – 1, Administration – 5).

For Support Academic Staff with regards to promotion: four teaching assistants were promoted this year (Microbiology – 1, Biochemistry – 1, Physiology – 1, Pharmacology & Toxicology – 1). Two Teaching Assistants have applied for promotion (Physiology – 1, Microbiology – 1) and are awaiting approval from the Rector's office. For new appointments: two nominations for teaching assistants in the Department of Anatomy were forwarded to the office of the Vice President for Academic Affairs and are awaiting approval.

With regards to advertisements four departments forwarded requests for advertisements and are awaiting approval from the office of the Vice President for Academic Affairs.

- Community Medicine – 1 Teaching Assistant position
- Pharmacology & Toxicology – 1 Teaching Assistant position and 1 Clinical Instructor position.
- Pathology – 2 Teaching Assistant positions.
- Surgery – 3 Clinical Instructor positions.

For, Health and Safety Committee a mandatory yearly general safety instruction lecture for all HSC personal was held on 19.11.2019. A radiation safety instruction workshop for all HSC personnel was held during the time period 23rd April 2019 till 25th April 2019, where two radiation safety lectures and one practical lab session was conducted.

The Dean heavily mentioned about Prof. Sami Asfar (Dept. of Surgery), Prof. Nabila Abdella (Dept. of Medicine), Prof. Ziauddin Khan (Dept. of Microbiology) who are leaving Faculty of Medicine this year. The Dean said that the Faculty will miss them very much. They had educated many, including himself and it's a sad moment that they are leaving. The Dean thanked them for all their services to the Faculty and wished them all the best wherever they go.

The floor was open for discussion.

Initiating the discussion, Dr. Slava Malatiali (Dept. of Physiology) thanked the Assembly for separating renal module and reproductive module into 2 separate modules. It is considered as a real achievement as this has been a struggle for many years. She mentioned that at the beginning when the curriculum was changed it was decided to keep the module for 8 weeks but for some reason it was reduced to 5 weeks and was combined with reproductive module.

This year Dr. Rola Ali (Coordinator of Renal Module) was working hard to review and make a note of it. Recently we found that the first day of module is a religious holiday and last week of the module, we have exams in the same week of completion of module that means the students have just two days before the exams to study. We lost 4 days of module, so now the total duration of the module is just 4 weeks and 1 day. Renal module is difficult module for the students to study and the students are already coming from Central Nervous System which is again a difficult module and they are already tired. Dr. Slava raised her concern if this is only for this year or would be same every year. As she feels this change is compromising the level of knowledge/ intake of the students.

Apparently Prof. Noura conveyed that, for all modules, examinations will be at the end of the last week. For each module, we will get 5 weeks each, this is by chance that we are losing the first day of module. Last week of module, is like any other module. All module exams will be on Thursday. There is a Committee. Any changes should be first discussed and accepted first in the Committee, then we will have feedback on this to take it further.

Dr. Fawzi Babiker (Dept. of Physiology) addressed his concerns regarding the cut down on grant budget. He conveyed that every time when a grant is written, he was surprised with a cut down of 1/3 of the budget. The cost provided is just not a wage figure that is based on the actual cost. The cut down of the budget is harming both students and project. It would be good if we have a clear policy to avoid trouble later on.

Prof. Raja'a conveyed that, she is aware about this issue and she had strongly objected towards such inappropriate cut down on projects during her meeting with the Research Sector. It was promised that if we start with the project, do the work and conclude the budget then we have the right to claim the amount. Prof. Zoran commented that all the communication was verbal and faculty do not have anything in writing from the Research Sector. According to Prof. Zoran it's a matter of politeness to write an official letter from the Research Sector (Khaldiya) to the Vice Dean - Research stating their policies and decisions. The Research Sector do not reply to any letters and in turn wait for Faculty to call them and when we call them, they will give us verbal promises on phone which is totally not acceptable.

Prof. Zoran mentioned that, he wrote a letter to Research Sector addressing the issues that, he applied for a grant, justified everything, it was reviewed and he got 5/5 for the budget saying it's fully appropriate and justified. They took almost 3 months to review the grant and at the end they deducted 3,000 KD. Unfortunately Prof. Zoran didn't received any reply on his letter until now. Dr. Zoran made his point clear that, after reviewing the grant for 3 months and approving the same, they cannot deduct the money without any justification. The Dean intervened and conveyed that, he can understand the level of frustration his colleagues are facing but he mentioned that, 2/3 of Deans letter are also not been answered by the administration in Khaldiya. Apparently, they are not agreeing to move budget from one item to another; compensating the deficiency of the other item. The Dean mentioned that, we have to battle with administration in Khaldiya to get bits and pieces from here and there. These issues have been raised several times in University Council. They concluded it by telling this is central cut from central government and it's been approved by Kuwait University.

Prof. Raja'a asked to carry out the project and to claim the money officially, she will do her best to help to get the claimed money. Prof. Zoran asked the Dean & Vice Deans to propose research sector to either change the needs of grants /base their decision based on experts opinion/review on grants proposal. Prof. Raja'a concluded the statement saying that several times this has been discussed with the President of Kuwait University yet there was no positive response from them on this issue.

The Dean concluded the Assembly by thanking all the Academic Staff, support staff, technical administrative and all other staff, for their hard work and support to the Faculty.

The assembly was then adjourned for a group photograph.