



Under the Patronage of the Minister of Higher Education, Kuwait
H.E. Dr. Mohammad Abdulatif Mohammad Al-Fares



FIRST NATIONAL ALLIED HEALTH PROFESSIONS FORUM

Organized by Faculty of Allied Health Sciences, Kuwait University



Venue: Jumeira Hotel, Kuwait
March 15-16, 2017

08:00-09:30

Registration

Opening Ceremony

09:30-10:30 am

1. National Anthem
2. Recitation from the Holy Quran
3. Welcome Address: **Prof. Saud Al-Obaidi**
*Dean, Faculty of Allied Health Sciences,
Kuwait University*
4. Patronage Address: **Prof. Hussein Ahmed Al-Ansari,**
President of Kuwait University
5. Honoring of
H.E. Dr. Mohammad Abdulatif Mohammad Al-Fares
Minister of Education and Higher Education
Prof. Hussain Ahmed Al-Ansari
President of Kuwait University

10:00-10:30 am

6. Keynote Lecture
**Title: National and Community Interventions for Prevention of
Non-communicable Diseases and Health Promotion**
Prof. Jaakko Tuomilehto, MD, MA, PhD, FRCP (Ed)
Chief Scientific Officer (CSO), Dasman Scientific Institute, Kuwait

Group Photo

Networking and Refreshment Break 10:30-10:45am

SESSION A: ADVANCES IN HEALTH PROFESSIONS

Session Chair: Dr. Khaled Al-Khalifa, Dr. Eiman Al-Jafar**Session Introduction**

- | | |
|------------------|---|
| 10:45-11:00 am | Title: Strategic Planning in Medical Laboratory Dr. Abdulhadi Ahmad, Manager of Commercial Group KOTC, Kuwait |
| 11:00-11:15 am | Title: Women's Health: Perspectives in Physical Therapy Dr. Nowall A. Al-Sayegh, Physical Therapy Department, Faculty of Allied Health Sciences, Kuwait University |
| 11:15-11:30 am | Title: Advances in the Practice of Respiratory Therapy Dr. Maqdad Taaqi, Physical Therapy Department, Faculty of Allied Health Sciences, Kuwait University |
| 11:30-11:45 am | Title: Emerging Technologies in Allied Health Professions Dr. Eiman Jafar, Health Informatics & Information Management Department, Faculty of Allied Health Sciences, Kuwait University |
| 11:45-12:00 noon | Title: Recent Advances in Nuclear Medicine Dr. Laila Ali, Radiological Sciences Department Faculty of Allied Health Sciences, Kuwait University |
| 12:00-12:15 pm | Title: Occurrence of Auditory Neuropathy Spectrum Disorder in Kuwait Infants risk of Hearing impairment Dr Aseel Al- Meqbel, Hearing & Speech Sciences Department, Faculty of Allied Health Sciences, Kuwait University |

Prayer Break 12:15-12:30 pm

SESSION B: PROGRESS IN MUSCULOSKELETAL STUDIES

Session Chair: Prof. Saud Al-Obaidi, Dr. Fawzi Bouzubar

Session Introduction

12:30-12:50 pm **Title: Immune Responses following McKenzie Lumbar Spine Exercise in Individuals with Acute Low-Back Pain: A Preliminary Study**
Prof. Saud Al-Obaidi, Physical Therapy Department,
Faculty of Allied Health Sciences, Kuwait University

12:50-13:05 pm **Title: Using Patient Reported Outcome Measures in Clinical Practice: Challenges and Opportunities**
Dr. Fawzi Bouzubar, Physical Therapy Department,
Faculty of Allied Health Sciences, Kuwait University

Lunch Break 13:05-14:00 pm

14:00-14:15 pm **Title: Advances Medical Imaging and Radiation Sciences**
Dr. Akram Asbeutah, Radiological Sciences Department,
Faculty of Allied Health Sciences, Kuwait University

14:15-14:30 pm **Title: Integrating Modern Pain Sciences into the Management of Chronic Musculoskeletal Condition**
Dr Noor Abdal
Ministry of Defense, Kuwait

14:30-14:45 pm **Title: Content validity and reliability of items to access participation of Children to Swing**
Dr. Shashidhar Rao, Occupational Therapy Department,
Faculty of Allied Health Sciences, Kuwait University

14:45-15:00 pm **Title: The Impact of Joint Hypermobility Syndrome on Pain and Participation in Adults**
Dr Najla Al-Sirri,
Al-Razi Hospital, Ministry of Health

15:05 pm **POSTER VIEWING**

Introduction

Keynote Lecture
 8:30-9:00 am **Title: The Neurovascular Unit In The Setting Of Stroke**
Prof. Zoran Redzic, MD, M.Sc., Ph.D
 Professor & Chairman, Faculty of Medicine, Kuwait University

SESSION C: METABOLIC SYNDROME AND CHRONIC DISEASES**Session Chair: Prof. Hussein Dashti, Dr. Mohammed Nadar****Session Introduction**

- 9:00-9:15 am** **Title: Disease Management and Disease Registries**
Mr. Hamza Al-Shawaf, Health Informatics & Information Management Department,
 Faculty of Allied Health Sciences, Kuwait University
- 9:15-9:30 am** **Title: Awareness of Occupational Therapy among Health Sciences Centre Students**
Dr. Naser Al-Otaibi, Occupational Therapy Department
 Faculty of Allied Health Sciences, Kuwait University
- 9:30-9:45 am** **Title: Erythropoietin, Superoxide Dismutase1 Soluble, Splicing Factor, Arginine/Serin-rich 15 and Plasmacytoma Variant Translocation Genes Association with Diabetic Nephropathy**
Dr. Maisaa Al-Wohaib, Medical Laboratory Sciences Department,
 Faculty of Allied Health Sciences, Kuwait University
- 9:45-10:00 am** **Title: Understanding Stress and Health**
Dr. Marwan Al-Sharbaty, Social and Behavioral Sciences Department
 Faculty of Public Health, Kuwait University
- 10:00-10:15 am** **Title: Home Based Rehabilitation of Stroke Survivors**
Dr Syed Al-Junaid, Health Policy and Management Department
 Faculty of Public Health, Kuwait University
- 10:15-10:30 am** **Title: Asthma-COPD overlap syndrome and environmental exposures**
Dr. Janvier Gasana,
 Faculty of Public Health, Kuwait University

Refreshment Break 10:30-10:45am

- 10:45-11:00 am** **Title: Balance reports of modified clinical test of sensory integration and balance using the abdominal wearable technologies in Kuwait adults with and without Type Two Diabetes**
Dr. Maryam Al-Sheraian,

SESSION D: NEURAL DISEASES**Session Chair: Dr. Suad Al-Fadhli, Dr. Talal Al-Shatti****Session Introduction**

- 11:00-11:15 am** **Title: Multiple Sclerosis and Nitric Oxide Synthases**
Dr. Suad AlFadhli, Medical Laboratory Department
 Faculty of Allied Health Sciences, Kuwait University
- 11:15-11:30 am** **Title: Quality of life and activities in patients with Multiple Sclerosis in Kuwait**
Dr. Eman Abdullah,
- 11:30-11:45 am** **Title: Special Training for Parent of Children with Cerebral Palsy**
Dr. Mehdi Rassafiani, Occupational Therapy Department
 Faculty of Allied Health Sciences, Kuwait University
- 11:45-12:00 noon** **Title: Occurrence of Novel Neural Stem Cells in the Ventricular Region of the Mammalian Brain**
Prof. T. Chacko Mathew, Medical Laboratory Sciences Department
 Faculty of Allied Health Sciences, Kuwait University
- 12:00-12:15 pm** **Title: The Effectiveness of Dry Needling**
Dr. Talal Al-Shatti, Physical Therapy Department
 Faculty of Allied Health Sciences, Kuwait University

Prayer Break 12:15-12:30 pm**SESSION E: MICROBIAL BIOLOGY****Session Chair: Prof. Ali Dashti, Dr. Leila Vali****Session Introduction**

- 12:30-12:45 pm** **Title: Prevalence of Human Papillomavirus Among Women with Normal Cervical Cytology**
Dr. Rana Al-Awadhi, Medical Laboratory Sciences Department
 Faculty of Allied Health Sciences, Kuwait University
- 12:45-13:00 pm** **Title: Bugs and Drugs**
Prof. Ali Dashti, Medical Laboratory Sciences Department
 Faculty of Allied Health Sciences, Kuwait University

Afternoon Break 13:00-14:00 pm

- 14:00-14:15 pm** **Title: Bacterial Contamination in Physical Therapy Departments in Kuwait**
Dr Sameera AlJadi, Physical Therapy Department,
 Faculty of Allied Health Sciences, Kuwait University
- 14:15-14-30 pm** **Title: Optimal policies for Clinical Quality Control**
Dr. Ghadir Jamal, Medical Laboratory Sciences Department,
 Faculty of Allied Health Sciences, Kuwait University

14:30-15:00 **Closing Ceremony**

POSTER SESSION

| Poster No. | Title | Authors |
|------------|--|---|
| 1 | Longitudinal changes in lifestyle behaviors and health status of the health science community at Kuwait University | Nowall Al-Sayegh, Saud Al-Obaidi, Tahani Al-Qurba, Khazna Al-Enezi, Elizabeth Dean |
| 2 | Smoking and ADAMTS-13 Levels in Healthy Males | Anwar Al-Awadhi, Mehrez Jadaon, Faisal Al-Sayegh, Seham Al-Sharrah |
| 3 | Investigating the influence of age, gender and ABO blood group on ADAMTS-13 antigen and activity levels in healthy Arabs | Anwar Al-Awadhi, Seham Al-Sharrah, Mehrez Jadaon, Faisal Al-Sayegh |
| 4 | Immunoregulatory Correlates of Type 2 Diabetes: Heat Shock Proteins, Adiponectin, and T Lymphocyte Cytokine Expression | Fadia Mahmoud, Ebaa Al-Ozairi |
| 5 | The Utility of Ki67, CK20, Mutant p53 and Cytochrome C Oxidase subunit 2 in Urothelial Carcinoma in Kuwait | Anwar Al-Banaw, Jumana Al-Ramzi |
| 6 | The potential Effect of Camel Urine on EMT and Sternness in MDA-MB-231 Breast Cancer Cells | Ibtehal Matar, Mashael Al Mutairi |
| 7 | The effect of vitamin D in reducing pain, increasing muscle strength and physical function with conventional PT in OA knee patients | Mariam Al-Kandiry, Khadeejah Al-Bader, Hessa Al-Maqroun, Fatma Al-Hajji, Talal Al-Shatti |
| 8 | Future Trends in Picture Archiving and communication System (PACS) | Mona Al-Hajeri, Malcom Clarke |
| 9 | Optimum parameters on Flash 3D imaging reconstruction using scintigraphic myocardial perfusion IQ-SPECT | Waleed S. Mutlaq, Y. Bakir |
| 10 | The effect of different pH level on immunohistochemistry staining intensity | Nashmeiah D. Alshammeri |
| 11 | Validation of attenuation correction using SPECT/CT in myocardial perfusion imaging | Laila Ali |
| 12 | Th-17 related regulatory network in the pathogenesis of Arab patients with systemic lupus erythematosus and lupus nephritis | Suad Alfadhli, Asma'a Alfailakawi, Aqeel A. M. Ghanem |
| 13 | De-regulation of diabetic regulatory genes in psoriasis: Deciphering the unsolved riddle. | Suad AlFadhli, AlZufairi AA, Nizam R, AlSaffar HA, AlMutairi N |
| 14 | A European Kuwaiti? By: Factor V Leiden mutation | Mehrez M. Jadaon, Ali Dashti |
| 15 | Molecular Typing of the Methicillin Resistant Staphylococcus aureus (MRSA) Isolates with Reduced Sensitivity to Chlorhexidine in Kuwaiti Hospitals | Mashael Najji Alshemmari |
| 16 | Moringa Olifera and Its Effect on Reducing the Cholesterol Level | Ghazwa alsebaiee |
| 17 | Dystrophin Gene Deletion Detection in Kuwaiti DMD Patients Using Multiplex PCR | Amnah Sayed Hashem |
| 18 | Does the Hospital Information System at Al-Jahra Hospital meets the clinical requirements? | Ahmad AlMaymoni, Eiman Al-Jafar |
| 19 | Reducing the radiation dose for the pediatric patients during Pelvic x-ray examinations | Dhuha Modhhi Alsaede |
| 20 | Commiphora Molmol VS Fucidin Cream on Wound Healing | Dalal Al.Sharji, Sawsan Ramadan |
| 21 | A gene deletion strategy to identify the function of non-coding RNA in eukaryotic genome using the model organism Saccharomyces cerevisiae | Sara Shamsah |
| 22 | The Effect Of Growth Hormone And Testosterone On Adipose Tissue And Hepatic Cell Of The Liver Of Sprague Dawley Rats | Nora Saeed Saed Bin Eid Almutairi |
| 23 | Peripheral Electrical and Magnetic Stimulation to Augment Resistance Training | Jawad F. Abulhasan, Yvonne L. D. Rumble, Emma R. Morgan, William H. Slatter and Michael J. Grey |

| Poster No. | Title | Authors |
|------------|--|---|
| 24 | Postural Control among Individuals with Low Back Pain under Dual Tasking Conditions | Aminah Alansari, Badryah Adel, Baraa Alshrbeny, Maali Almutairi, Muneera Alghanim |
| 25 | Activity of XF-70 against Staphylococcus Epidermidis | Saleh Abdullah Hassan |
| 26 | Health Status of Caregivers of Children with Cerebral Palsy | Mehdi Rassafiani, Fatma Alqallaf |
| 27 | Vestibular Rehabilitation in Peripheral Vestibular Disorders | Surya Thomas |
| 28 | Recent updates on effects of endotracheal saline instillation – A review | Anu Elizabeth Reebu Joseph Raji Shanthi Abraham |
| 29 | Repeatability, Sensitivity and Specificity of Visual Acuity Charts in Pre-Schools | Diana Moganewari, Jyothi Thomas, Krithica Srinivasan |
| 30 | The Molecular Characterization Of Wharton's Jelly Derived Mesenchyme-like Stem Cells | Ghadeer Alhamar, |
| 31 | Low calorie sweeteners can cause obesity | Lily Almatrouk |
| 32 | Student's Health Information Literacy Skills For Self-Care In Kuwait University, Health Science Center | Mariam Al-Mahdi Hamza Al-Shawaf |
| 33 | Acute and chronic low back pain – Disability Survey | Josh Mathai Rajan |
| 34 | A study on rationale in correction of Scapular Dyskinesis in management of Repetitive Stress Injuries of Elbow | Basant Ramesan, Ajay Elias, Ali Al Muhanna |
| 35 | The Effectiveness of visual and auditory sensory inputs in relation to their dominance minimizes early recovery in stroke patients: A Randomized Controlled Trial | Mohan Nallathambi, Layla Al Mansouri, Ajay Elias |
| 36 | Users' Perspectives on a Picture Archiving and Communication System (PACS): An In-Depth Study in a Teaching Hospital in Kuwait.. | Buabbas AJ, Al-Shamali DA, Sharma P, Haidar S, Al-Shawaf H |
| 37 | Image Quality with & without Grid in detecting Breast lesion using Contact Digital Mammography | Shujoon Salah, Dana Al-Adwani, Akram Asbeutah |
| 38 | The isolation and identification of bacteria that may cause potential nosocomial and opportunistic infections in hospital isolation rooms | Yasmeen Johar, Ahmad Alhasan |
| 39 | Comparison between the effect of different durations of cryotherapy and stretch on hamstring flexibility | Nayef Alenezi, Hamza Aleid, Maryam Almandil |
| 40 | Evaluation of RHD and RHCE Alleles in Patients with Hemoglobinopathies | Shaimaa Baroun, Reem Ameen |
| 41 | Diastolic versus systolic ankle-brachial pressure index using ultrasound imaging & automated oscillometric measurement in diabetic patients with calcified and non-calcified lower limb arteries | Akram M. Asbeutah, Abdullah A. AlMajran, Sami K. Asfar |
| 42 | The Relationship Of Chronic Neck Pain Perception And Related Disability Beliefs To Selected Measures Of Physical Performances | Amal Al-Shammari, Reem Sabah, Anwar Alenzi, Noor Al-Jafal |
| 43 | Comparing the Mini-BESTest to Berg Balance Scale in People with Multiple Sclerosis | Meshaal Dayel, Maryam Aloumi, Hessa Mohammed, Suad Abdulrahman, Sharifah Alragum |

Organizing Committee

| Name | Designation |
|---------------------------|--|
| Prof. Saud Al Obaidi | Dean |
| Prof. Chacko Mathew | Vice-Dean, Research, Training and Consultation |
| Mr. Fahad Al-Bader | Acting Administration Director |
| Mr. Hamad Al-Mutawa | Head, Publicity and Public Relations |
| Mr. Farooq Al Hajji | Head, Services & Follow Up |
| Mr. Fawaz Al Hasawi | Head, Purchasing |
| Ms. Aisha Al-Sumait | Public Relations |
| Ms. Fatma Al-Attar | Public Relations |
| Mr. Stanley Glebocki | Faculty Secretary |
| Dr. Suad Al-Fadhli | Acting Chairperson MLS |
| Dr. Mohammad Shaban Nadar | Acting Chairman OT |
| Dr. Nowall Al-Sayegh | Acting Chairman PT |
| Dr. MUSAED Al-Naser | Asst. Prof. OT |
| Dr. Muneera Al-Ghanim | Asst. Prof. PT |
| Dr. Maath Al-Haddad | Asst. Prof. PT |
| Dr. Akram Asbeutah | Asst. Prof. RS |
| Dr. Laila Mohd. H. Ali | Asst. Prof. RS |
| Dr. Naser Al-Enezi | Asst. Prof. HIIM |
| Mr. Hamza Al-Shawaf | Senior Lecturer HIIM |
| Ms. Latifa A. Al Wazzan | Language Instructor ELU |
| Ms. Wadhah Al-Dosseri | Language Instructor ELU |
| Ms. Amena Aldakheel | Student Representative |

Sub-Committees

| | | |
|-------------------------|---------------------------|--|
| Scientific | Dr. Suad Al-Fadhli | Acting Chairperson MLS |
| | Dr. Mohammad Shaban Nadar | Acting Chairman OT |
| | Dr. Muneera Al-Ghanim | Asst. Prof. PT |
| | Dr. Maath Al-Haddad | Asst. Prof. PT |
| IT | Mr. Hamza Al-Shawaf | Senior Lecturer HIIM |
| | Engr. Amna Saffar, | TSA Health Sciences Center Kuwait University |
| Event Management | Ms. Latifa A. Al Wazzan | Language Instructor ELU |
| | Ms. Wadhah Al-Dosseri | Language Instructor ELU |
| | Mr. Farooq Al Hajji | Head, Services & Follow Up |
| | Mr. Emad Al-Khawalid | Services & Follow Up |
| Publicity | Mr. Hamad Al-Mutawa | Head, Publicity and Public Relations |
| | Ms. Aisha Al-Sumait | Public Relations |
| Financial | Mr. Fahad Al-Bader | Acting Administration Director |
| | Mr. Fawaz Al Hasawi | Head, Purchasing |