

## **1. 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.

### **Research Areas of Faculty Members:**

#### **Prof. Saeed Akhtar**

Infectious disease epidemiology with focus on infection with hepatitis B and C viruses. M. tuberculosis; Cancer epidemiology including but not limited to GI tract's carcinomas and childhood leukemia; Multiple sclerosis and Injury epidemiology specifically road traffic injuries with emphasis on the impact of various interventions on road traffic injury prevention.

#### **Dr. Joseph Longenecker**

Dr. Longenecker's research interests focus on the relationship between cardiovascular and renal diseases, and their common risk factors in the population, including hypertension, diabetes, obesity, smoking, and hyperlipidemia in addition to novel risk factors such as lipoprotein(a), inflammation, and heart rate variability.

#### **Dr. Ahmed Albatineh**

- Cluster analysis and Classification
- Statistical Computation and Monte Carlo Simulations
- Statistical Modeling
- Biostatistics
- Applications of Statistics in Health Sciences.

#### **Dr. Naif Al-Mutawa**

- Eating Disorders

#### **Dr. Manal Bouhaimed**

- Vitreoretinal Diseases and Surgical interventions
- Automated Detection of Diabetic Retinopathy
- Prevention of Blindness & Community Eye Health
- Clinical Ethics
- Public Health Ethics
- Patient Safety
- Medical Education

### **Dr.Reem Al-Sabah**

- Post-partum depression in Vitamin D deficient mothers.
- Psychosocial factors related to coping and adjustment in pediatric cancer.

### **Dr. Ali Ziyab**

- Epidemiology of asthma and allergic diseases
- Genetic and epigenetic epidemiology of asthma and allergic diseases
- Epidemiology and risk factors of endocrine outcomes, including prediabetes, diabetes, and dyslipidemia
- Injury epidemiology with focus on morbidity and mortality related to road traffic injuries

### **Dr. Ali Buabbas**

- Evaluation of clinical information systems
- Telemedicine
- E-learning
- Evidence-based medicine

### **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-Watiyan 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-Watiyan R; Al-Ozairi E.; Funding Institution: Kuwait Foundation of the Advancement of Sciences. Funding Period: 9/2018 – 8/2021; Total direct costs (KFAS Contribution): 81,649KD. 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-Taiar 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-Taiar 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-Taiar 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-Taiar 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 Science Project #: P115-13MC-05, KD48,868 (~\$161,000 Kuwait University, Project #: MC 01/16, KD13,200 (~ \$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, KD2,000 (~ \$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, KD70,490 (~ \$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, KD49,708 (~ \$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 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).

## Publications

### *Published Articles*

**Given below is the list of research publications in the year 2018/2019.**

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, Booalayan 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-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; 10(10). pii: E1525
4. 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.
5. **Al-Isa A**, Jennifer Campbell, Ediriweera Desapriya, and Namal Wijesinghe, Factors associated with eating habits of Kuwaiti college women, doi:10.1155/2011/512363
6. **Al-Isa A**, Factors associated with obesity among Kuwaiti college women, DOI:10.1177/026010609801200403
7. 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.
8. Al-Mathkoori R, Albatineh A, Al-Shatti M, **Al-Taiar A\***. Is age of menarche among school girls related to breastfeeding during infancy? *American Journal of Human Biology.* 2018. doi: 10.1002/ajhb.23122.
9. **Al-Taiar 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.
10. Rahman A, **Al-Taiar 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.
11. **Al-Taiar 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.
12. Akbar F, AlBesharah M, Al-Baghli J, Bulbul F, Mohammad D, Qadoura B, **Al-Taiar 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.
13. Al-Matouq S, Al-Mutairi H, Abdulaziz F, Al-Mutairi O, Al-Enzi M, Al-Basri D, **Al-Taiar 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

14. **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)
15. 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)}.
16. Mahdieh Sedighi Pashaki, Tayebbeh 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.
17. 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.
18. **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.
19. 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.
20. 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
21. Al-Taiar 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.
22. Rahman A, Al-Taiar 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.
23. 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.
24. **Al-Sabah R**, Al-Taiar A, Shaban L, Rahman A. Predictors of Cognitive Function among Adolescents in a High Income Setting. In peer review.
25. AlKhabbaz M, Al-Taiar A, Saeed M, **Al-Sabah R**, Albatineh A. The Burden of Acne Vulgaris among Adolescents in Kuwait. In peer review
26. **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
27. 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
28. 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.
29. **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.

30. 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.
31. 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.
32. 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.
33. 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.
34. 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).
35. 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*

24<sup>th</sup> 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. 51<sup>th</sup> 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. 24<sup>th</sup> Health Sciences Center Poster Conference. 12-14 March 2019. HSC-Kuwait.
3. Akrama A, Alhamar M, Aleinati R, Alsaeid 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 22<sup>st</sup> 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 22<sup>st</sup> 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, Mohiyaldeen 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-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, 2018.
9. Alkhabbaz M, **Al-Taiar 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-Taiar 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-Taiar 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-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.
13. AlAwadhi K, AlWasmi A, AlAdsani K, AlDabbous N, AlBraikan D, AlYousef A, AlMerjah F, AlBassam T, AlHanyan G, **Al-Taiar 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-Taiar A**: Women's Preference on Birthplace and Mode of Delivery in Kuwait. 24th Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
15. **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
16. 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.
17. 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.
18. 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.
19. Al-Abdulrazzaq D, **Al-Taiar 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-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.

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, Buhaimeed 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.
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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. 23<sup>rd</sup> 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? 3<sup>rd</sup> 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. 24<sup>th</sup> 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. 24<sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
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  53. Shaban LH, Al-Taiar A, Rahman A, **Al-Sabah R**, Al-Harbi A: Anemia among School Children in Kuwait. 24<sup>th</sup> 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. 24<sup>th</sup> Health Sciences Centre Poster Conference, Kuwait University. March, 2019.
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  56. Almari M, **Ziyab AH**. Associations of parental diabetes and markers of adiposity with prediabetes among adolescents in Kuwait: a cross-sectional study. 23<sup>rd</sup> 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**

- **Physical Facilities**

The teaching facilities available at the Faculty of Medicine and Health Sciences Centre are utilized by the members of the department for delivering lectures, seminars, tutorials, small group teachings and practical, etc. In addition, the following physical facilities are used in the Department for teaching, research, and staff offices, etc.

<b>Room</b>	<b>Designation</b>	<b>Usage</b>
501	Secretary Office	Office
501A	Chief Technician Office	Office
501B	Meeting Room	PBI/Seminar/Meeting
501C	Chairman office	Office
501D	Chairman office	Office
501E	Filing Room	Office
502	Printer common area	Room
502A	Scientific Assistant Office	Office
502B	Chief Technician Office	Office
502C	Office	Office
502D	Dr. Ali Buabbas Office	Office
502E	Dr. Ali Ziyab Office	Office
502F	Office	Office
503	Project Meeting Area	Office
503A	Office	Office
503B	Prof. Saeed Akhtar Office	Office
504	Project Meeting Area	Office
504A	Dr. Joseph Longenecker Office	Office
504B	Office	Office
505	Project Meeting Area	Room
505A	Dr. Reem Al-Sabah Office	Office
505B	Dr. Manal Bouhaimed Office	Office
505C	Dr. Ahmed Albatineh Office	Office
506	Filing Room	Room
507	Office	Office
508	Dr. Naif Al-Mutawa Office	Office
509	Research Assistant Office	Office
510	Office	Office
511	Photocopying Room	Room
512	Project Meeting Area	Room
513	Teaching Assistant Office	Office
514	Teaching Assistant Office	Office
515	Teaching Assistant Office	Office
516	Teaching Assistant Office	Office
517	Technician Office	Office
518	Teaching Assistant Office	Office
519	Research Assistant Office	Office
520	Secretary office	Office
521	Kitchen	Room
522	Women Wash Room	Room
523	Men Wash Room	Room