

## 1. Research and Publications

The Department continues to maintain high standards of basic and applied research in different sub-disciplines of Histopathology, Cytopathology, Human Genetics, Clinical Biochemistry and Hematopathology. The Department contributed to the 24<sup>th</sup> Annual Health Sciences Center Poster Conference (March 12 -14, 2019) by presenting 7 posters. In addition, academic staff of the Department do participate in International conferences and poster presentations.

### **Given below is a list of publications from the Department of Pathology for the year 2018-2019:**

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-Taiar 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.
9. 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
10. 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.
11. 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.
12. 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.
13. 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
14. 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.
15. 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.
16. Das DK. Commentary. *J Neurosci Rural Pract* 2019;10:383-285
17. 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.

18. Adekile A, Marouf R: The Sub-Phenotypes of Sickle Cell Disease in Kuwait. Accepted in Hemoglobin 2019.
19. 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.
20. 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.
21. 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.
22. Al-Temaimi R, Cherian P, Abu-Farha M, Alroughani R. Angiopietin-like proteins in multiple sclerosis. *J Neuroimmunol.* 2019 May; 330:31-34.
23. 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.
24. 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. *PIoS one.* 2018; 13(2):e0192617.
25. 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.

## 2. Physical Facilities

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

Room No.	Designation	Usage
201	Teaching assistants	Office
202	Teaching assistants	Office
203	Prof. Abdul Latif Al-Bader	Office
204	Clinical Chemistry Lab	Lab

205	Genetic lab	Lab
205A	Dr. Ahmed Al-Serri	Office
206	Secretary	Office
206A	Meeting Room	Office/PBL
206B	Chairman	Office
206C	Secretary	Office
207	Scientific assistant	Office
207A	Dr. Lama Al-Fares	Office
207B	Dr. Dalal Mulla Ali	Office
207C	Visiting Professor	Office
208	Histology lab	Lab
208A	Dr. Maamoun Al-Aynati	Office
208B	Dr. Rola Ali	Office
208C	Vacant	Office
209	Service Room	Office
210	Dr. Rabea Al-Temaimi	Office
211	Histology Lab	Lab
211A	Dr. Suad Abdeen	Office
212	Cytopathology Lab	Lab
212A	Prof. Kusum Kapila	Office
213	Chief Technician	Office
214	Dr. Bushra Al-Ayadhy	Office
215	Molecular Lab	Lab
215A	Prof. Fahd al-Mulla	Office
216	Post graduate students	Office
217	Dr. Dilip K Das	Office
218	Histology Lab	Lab
218A	Dr. Abeer Abdallah	Office
219	Dr. Mohamad El-Fawal	Office
220	Histology Lab	Lab
220A	Dr. Issam M.Francis	Office
221	Molecular Pathology Lab	Lab
222	Haematology Lab	Lab
222A	Dr. Salah Al-Humood	Office
223	Tissue culture lab	Lab
224	Gents Wash room	Room
225	Ladies Wash Room	Room
226	Haematology Lab	Lab
226A	Dr. Rajaa Marouf	Office
227	Prof. O.A.Mojiminiyi	Office
228	Clinical chemistry Lab	Lab
229	Dr. Salah Al-Waheeb	Office