

Section A: Personal Details

Amar Hassan Khamis, PhD, DEA, C.SBM. BSc.

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Section B: Professional Record		* teaching language English		
Job Rank	Specialty	Institution & Country	From	To
Professor	Biostatistics	*Hamdan Bin Mohammed College of Dental Medicine, Dubai. Mohammed Bin Rashid University of Medicine and Health Sciences Main language of teaching is English. http://mbru.ac.ae/	17 January 2018	Present
Professor Adjunct	Biostatistics	Ajman University Teaching Biostatistics and Research Method for MSc. Oof Dentistry for 3 programs	September 2022	December 2022
Associate Professor	Biostatistics	*Hamdan Bin Mohammed College of Dental Medicine, Dubai. Mohammed Bin Rashid University of Medicine and Health Sciences	13 July 2014	16 January 2018
Professor	Biostatistics: <i>Recommended to be Promoted to a full-professor, Meeting No.10, 30 March 2013 Department of family & community Medicine</i>	*College of Medicine, University of Dammam, KSA. Main language of teaching is English http://www.uod.edu.sa/en	April 2014	7 July 2014
Associate Professor	Biostatistics	*College of Medicine, University of Dammam, KSA	July 2009	March 2014
Associate Professor	Biostatistics	*Faculty of Medicine, University of Khartoum, Sudan. Main language of teaching is English. http://meduofk.net/	February 2006	July 2009
Associate Professor	Biostatistics	School of Medicine, Ahfad University for Women, Sudan.	April 2004	February 2006

		Main language of teaching is English. http://www.ahfad.org/history.html		
Assistant Professor	Biostatistics	School of Medicine, Ahfad University for Women, Sudan	November 1997	April 2004
Scholarship Grants from French Embassy and INSERM U 399, Marseille, France	Biostatistics	University of Méditerranée AIX Marseille & University of Gazira (sandwich program)	September 1997	April 2003
Research Assistant	Field Coordinator	French Embassy, Khartoum, Sudan	September 1996	April 1997
Research Attachment	Biostatistics	INSERM U 169, Faculty of Medicine Le Kremlin-Bicêtre University of Paris XI, France	September 1994	September 1996
Scholarship of Government of France (BGF)	Biostatistics	Faculty of Medicine, University Paris XI, France	September 1990	September 1994
Teaching Assistant	Statistics/Mathematics	School of Mathematical Sciences, University of Khartoum, Sudan	November 1988	September 1990

Section C.1: Academic Qualifications				
Academic Degree	Specialty	Institute	Country	Date Awarded
PhD	Biostatistics & Genetic Epidemiology	University of Méditerranée AIX Marseille & University of Gazira (sandwich program); no courses	France & Sudan	2003
DEA (PhD)	Biostatistics	University Paris XI	France	1994
Certificate (SBM)	Medical and Biological Studies: option of epidemiology and biostatistics	University Paris XI	France	1991
Diploma	French Language	University of Clermont	France	1990
B.Sc.	Statistics & Computer Sciences	University of Khartoum	Sudan	1988
Section C.2: Language Proficiency				
Arabic: mother tongue				
English: speak, write & read (excellent)				
French: speak, write & read (very good)				

Section C.3: Computing Skills
SPSS daily basis
Stata daily basis
SAS occasionally
Comprehensive Meta-Analysis (CMA) all the time
R-language all the time
Power BI occasionally

Section D: Training Courses (Public Health)
Meta-Analysis Concepts and Application. London, UK May 11-13, 2015
Eastern Mediterranean Regional Tobacco Control Leadership Program. Johns Hopkins Bloomberg School of Public Health (JHSPH) and the World Health Organization Eastern Mediterranean Regional Office (WHO-EMRO) from 26-30 November 2012 in Cairo, Egypt.
Training course in Population Size Estimates of Most at Risk Populations: Methods and Lessons Learned around the World, from 9-13 July 2012, in Zagreb, Croatia
Course of Health Management. Liverpool School of Tropical Medicine 8-11 June 2009. Liverpool. UK
Training Course in Biological and Behavioral Survey in Hard-to-Reach Populations using Respondent-Driven Sampling, 3-7 November 2008, Zagreb, Croatia.
Course of Accelerating Progress Towards the MDG's and other Health Outcomes, Washington, USA, 20-31, 2006:
Problem based and community-based concepts. During the period 1995 to 1996, many times Maastricht University, Netherlands and University of Suez Canal, Egypt.
Evidence Health Based, Meta –Analysis Oxford University February 2018
Mixed Method, Oxford University February 2019

Section E: Academic Activities

- Undergraduate Teaching

Mathematics courses: Calculus, Algebra, Basic Mathematics, Several Variables Discrete Mathematics, Operations Research, Differential Equations

Statistics courses: Basic Statistics, Inferential Statistics, Stochastic Processes, Sampling Techniques, Applied Statistics and Regression

Biostatistics courses: Fundamentals of Biostatistics, Descriptive Epidemiology, Fundamentals of Genetic Epidemiology, Research Methodology

- Post Graduate Courses:

Advanced statistics courses, Biostatistics, Epidemiology, Meta-Analysis, Clinical Trial, and Research Methodology

- Administered and taught professional advanced courses on Respondent Driven Sampling, Meta-Analysis, and Advanced Biostatistics to special groups of interest.
- Delivered research methodology workshops for postgraduate candidates in pre-medical studies, medicine, and public health.
- Conducted many surveys as field coordinator in Africa, Asia, and Arab countries.
- Supervised Higher Diploma, MSc and PhD students in biostatistics and epidemiology topics and participated as co-supervisors in many theses on medicine and pre-medical sciences.
- Published not less than 69 articles in different disciplines concerned with health, biostatistics, and epidemiology.
- Pioneered in Africa as a changing point of accelerating progress towards the Millennium Development Goals (MDGs).
- Scientific journals editorial contribution in the field of biostatistics and epidemiology, and reviewer for reputable scientific journals.
- Member of the research ethics committee in different institutes in Sudan, Saudi Arabia, and the UAE.
- Member of the Board of the research committee, ALBASAR International Foundation (2010 to date)
- Consultant for WHO EMRO, conducting many missions in the region of EMRO.
- Member of international scientific associations such as LHL (Norwegian Health and Lung Patient Organization), INSERM (French Institute of Health and Medical Research).
- External examiner for Universities in Ethiopia, South Africa, Sudan, and Saudi Arabia.

Section E.1: Publications: After joining MBRU (HBMCDM)

1. Aisha Almemari, Manal Al Halabi, Iyad Hussein, Anas Salami, **Amar Hassan Khamis**, Mawlood Kowash. Knowledge, Attitudes, and Practices of Pediatric Nurses in Dubai Regarding Oral Health Care: A Cross-sectional Study. International Journal of Clinical Pediatric Dentistry (2026): [10.5005/jp-journals-10005-3525](https://doi.org/10.5005/jp-journals-10005-3525)
2. Sajed Nabi, Mohamed AlBreiki, **Amar Hassan Khamis**, Ángela Patricia Polanía González, Sabarinath Prasad, Abdel Rahman Tawfik, Assad Mehmood Khan & Jahanzeb Chaudhry. Is there a Correlation between Carotid Calcifications Detected in Dental Panoramic Radiographs of Adult Dubai Dental Hospital Patients and Cardiovascular Disease Risk Factors? A Cross-Sectional Study with a Nested Case-Control Analysis. SN Compr. Clin. Med. 8, 210 (2026). <https://doi.org/10.1007/s42399-026-02448-y>
3. Ahmad Alhabashi, Fatemeh Amir-Rad, Pardis Ghorbani, Moosa Abuzayda, **Amar Hassan Khamis**, Haitham Elbishari, Maanas Shah. Complications and Survival of Teeth

Restored With Crowns Following Crown Lengthening: A Retrospective Cohort Study. International Dental Journal. Volume: Volume 76, Issue 4. Received 6 September 2025. Accepted 4 May 2026. <https://doi.org/10.1016/j.identj.2026.109656>

4. Ahmed Hatem, Ahmed Ghoneima, Haitham Elbishari1, **Amar Hassan Khamis**, Fatemeh Amir-Rad. The Use of 3D-Printed Teeth Models for Crown Preparation Training: Perceptions of Postgraduate Dental Trainees. European Journal of Dental Education, 2026; 0:1–12 Received: 30 August 2025 | Revised: 6 April 2026 | Accepted: 5 May 2026. <http://doi.org/10.1111/eje.70189>
5. Tahreer Almutairi, Rashid El Abed, Anas Al-Jadaa, **Amar H. Khamis**, and Amre R. Atmeh. Influence of Operating Temperature on the Properties and Performance of Two Heat-Treated Reciprocating NiTi. Instruments: Submission received: 28 January 2026 / Revised: 27 February 2026 / Accepted: 10 March 2026 / Published: 13 April 2026. In Vitro Study. 2026. Dent. J. 2026, 14(4), 230; <https://doi.org/10.3390/dj14040230>
6. Alrahma N, Atmeh AR, Khamis A, Abuzayeda M. Dentists' Knowledge and Methods for Restoring Root-canal Treated Teeth in Dubai. **Dubai Medical Journal**. 2026;9(S1):90-103. DOI: [10.18502/dmj.v9iS1.21029](https://doi.org/10.18502/dmj.v9iS1.21029).
7. Noura Bin Hussain, Anas Salami, Manal Al Halabi, Iyad Hussein, **Amar Hassan**, Mawlood Kowash. Early Childhood Caries and Oral Hygiene Practices in Preschool Children in Dubai: A Cross-sectional Study. International Journal of Clinical Pediatric Dentistry (2026): 10.5005/jp-journals-10005-3549; Accepted on: 20 October 2025; Published on: xxxx. DOI:
8. Simran K Sura, Mawlood Kowash, Anas Salami, Manal AlHalabi, **Amar H Khamis**, Iyad Hussein. Procedural Pain and Hall Technique Crowns and Separators: A Randomized Controlled Clinical Pilot Feasibility Study24 September 2025; Accepted on: 20 October 2025; Published on: 02 March 2026: [10.5005/jp-journals-10005-3466](https://doi.org/10.5005/jp-journals-10005-3466) Received on: 24 September 2025; Accepted on: 13 October 2025; Published on: 02 March 2026.
9. Farah Ennab, Reem Hatem Abdulkareem, Rachid Kaddoura, Ayatullah Hegazy, Mouza Lootah, Yajnavalka Banerjee, Stefan S. Du Plessis, Tom Loney, **Amar Hassan Khamis**, Aida Joseph Azar. Exploring undergraduate medical students' perception of an integrated longitudinal research curriculum within a competency-based framework. PLoS. One 21(2): e0343409. <https://doi.org/10.1371/journal.pone.0343409>
10. Badria AlAli, Amre Atmeh, Mohamed Jamal, Fatemeh Ahmad, **Amar H. Khamis**, Hyeon-Cheol Kim, Rashid El Abed. Fracture Resistance of Heat-Treated NiTi Instruments by the Load of Mechanical Preparation According to Tooth Type and Canal Number. J Endod February 10, 2026;35:1–8. <https://doi.org/10.1016/j.joen.2026.02.005>
11. Faisal Alqaood, Jahanzeb Chaudhry, **Amar Hassan Khamis**, Keyvan Moharamzadeh, Moosa Abdulla Abuzayeda. A New Classification System to Determine Posterior Mandible Morphology for Implant Therapy. International Journal of Dentistry. 17 November 2024 | Revised: 4 January 2026 | Accepted: 16 January 2026. <https://doi.org/10.1155/ijod/3244223>
12. Yasmin Youssef. Bayan Alyammahi. **Amar Hassan Khamis**. Abdel Rahman Tawfik. Ahmed Ghoneima. Accuracy of 3D-printed surgical guides compared with freehand technique for temporary anchorage device placement in the mandibular buccal shelf. Front. Dent. Med., 02 February 2026. Volume 7 - 2026 | <https://doi.org/10.3389/fdmed.2026.1691232>
13. Helena Khidr · Amre R. Atmeh · Mohamed Jamal· Zuhair Alkhatib· **Amar H. Khamis**· Taher Al Omari· Rashid El. Mechanical and Thermal Impact of Sequential Use–Sterilization Cycles on ProTaper Ultimate Files: An In Vitro Assessment with Practical Implications. December 1, 2025; Revised January 12, 2026; Accepted January 13, 2026; Published online January 20, 2026. JOE. <https://doi.org/10.1016/j.joen.2026.01.008>
14. Maryam Abbas, Manal Al Halabi, Iyad Hussein, Anas Salami, **Amar Khamis**, Mawlood Kowash. Parental Acceptance of Pediatric Dentistry Behavior Management Techniques and Its Relationship to Parental Dental Anxiety and Experience in Dubai. Journal of International Society of Preventive and Community Dentistry | J Int Soc Prev Community Dent 2026 Feb 25;16(1):88-97. doi:

15. JAYROOP RAMESH, STALIN SABU THOMAS, **AMAR HASSAN KHAMIS**, ASSIM SAGAHYROON1(Senior Member, IEEE), FADI ALOUL1 (Senior Member, IEEE) and ADEL RUSHOOD. Interpretable Machine Learning Models for Vitamin A Deficiency Screening in School-Aged Children. in IEEE Access, <https://doi.org/10.1109/ACCESS.2025.3644236>
16. Abdul Rahman Hamwiah, Haitham Elbishari, May Aljanahi, Fatemeh Amir-Rad, Amre Atmeh, Moosa Abuzayeda, **Amar H. Khamis**, and Rashid El Abed. Effect of Gutta-Percha Removal Methods on Fiber-Post Bond Strength. Dent. J. 2025, 13, x Received: 16 October 2025. Accepted: 4 December 2025. <https://doi.org/10.3390/dj14010038>
17. Najla Alderei, Iyad Hussein, Manal AlHalabi, Anas Salami, **Amar H. Khamis**, Junus Harris, Mawlood Kowash. Perception of a Modified General Anaesthesia Intubation Technique in Paediatric Dentistry: A Cross-sectional Study. Malaysian Journal of Medicine and Health Sciences 30 Nov. (2025) 21(6), 1386.1 –1386.13. <https://doi.org/10.47836/mjmhs.v21.i6.1386>
18. Stafny Melony Dsouza, Fatima Sulaiman,1 Fatima Abdul, Fahad Mulla, Fayha Salah Ahmed, Mouza AlSharhan, Ayesha AlOlama, Noorah Ali, Aasha Abdulaziz, Alia Mohammad Rafie, Suhaila Alnuaimi, Nandu Goswami, **Amar Hassan Khamis**, Riad Abdel Latif Bayoumi. Aetiological clustering of newly diagnosed type 2 diabetes using machine learning: a retrospective cross-sectional study in Dubai, UAE. BMJ Open 2025;15: e101284. <https://doi.org/10.1136/bmjopen-2025-101284>
19. Aisha Bin Hussain, Tarek Elshazly, **Amar Hassan**, and Ahmed Ghoneima. Effectiveness of Modified Clear Aligner Attachment Designs on Molar Extrusion: An In Vitro Typodont Study. Dent. J. 2025, 13, 551.22 November 2025. <https://doi.org/10.3390/dj13120551>
20. Sharifa AlHaj, Manal Al Halabi, Mawlood Kowash, Anas Salami, **Ammar H Khamis**, Iyad Hussein. Development of a Clinical Dental Reference Data Set for Dubai Emirati Children and Adolescents Based on the Demirjian Method. Int J Clin Pediatr Dent 2025;18(S-1): S66–S79. <https://doi.org/10.5005/jp%2Djournals%2D10005%2D3294>
21. **Amar H. Khamis**, Fatima Abdul, Stafny Dsouza, Fatima Sulaiman, Costerwell Khyreim, Mohammed E. Siddig, and Riad Bayoumi. Appraisal of Clinical Explanatory Variables in Subtyping of Type 2 Diabetes Using Machine Learning Models. J. Clin. Med. 2025, 14, 6548. <https://doi.org/10.3390/jcm14186548>
22. Tareq Abdulkareem. Mohamed Jamal · Amre Atmeh. Haitham Elbishari. **Amar H. Khamis**. Hyeon-Cheol Kim· Rashid El Abed. Investigation of static versus dynamic cyclic fatigue resistance in NiTi endodontic instruments with different alloy treatments at body temperature. September 07, 2025. Journal of Endodontics. <https://doi.org/10.1016/j.joen.2025.09.004>
23. Nasr Eldin Elwali1, Saad Mohammed AlShareef, **Amar H. Khamis**, and Moawia M.A. Elhassan. Liver cancer incidence in Saudi Arabia (2001–2020): decreasing trend. BMC Cancer (2025) 25:1284 <https://doi.org/10.1186/s12885-025-14757-x>
24. Reem AlGurg, Nour Abu Mahfouz, Farah Otaki, Agnes Paulus, **Amar Hassan Khamis**, Mohamad Alameddine. School Nutrition Programs in Dubai: A Landscape Analysis. Public Health and Nutrition. Volume 13 – July 2025 | <https://doi.org/10.3389/fpubh.2025.1584497>.

25. Farida Abdunabi, Mawlood Kowash, **Amar Khamis**, Moosa Abuzayeda. Prevalence and Severity of Dental Caries Among Schoolchildren in Libya: A Systematic Review and Meta-Analysis. J Int Soc Prevent Communit Dent May-June 2025; 15:211-21. [DOI%3A%2010.4103/jispcd.jispcd_5_25](https://doi.org/10.4103/jispcd.jispcd_5_25)
26. Dalal Obaid, Malak Dawood, Mohamad Al Hayek, Aida J. Azar, **Amar H. Khamis**, Mohamad Felo. Major Determinants of Early-Onset Coronary Artery Disease: A Descriptive Study from a Tertiary Care Hospital in Dubai, United Arab Emirates (2018-2022). Cureus 17(4): e82920. <http://dx.doi.org/10.7759/cureus.82920>
27. Bassem Abou Hussein1, Omar Al Marzouqi1, Sameera Hajijama, Ali Al Ani1, Nagham Tobal, Mariam Sandall, Mohammed Amaan Khokar, Hessa Al Qasimi, Nour AlDeen Hejazi, **Amar Khamis**, Ali Khammas. Effect of Fascial Closure versus Non-fascial Closure on Developing Trocar Site Hernias (TsH) in the Bariatric Population: A Systematic Review. OBES SURG (2025). <https://doi.org/10.1007/s11695-025-07827-3>
28. Farah Otaki, Samuel B. Ho, Bhavana Nair, Reem AlGurg, Adrian Stanley, **Amar Hassan Khamis**, Agnes Paulus, Laila Alsuwaidi. Effects of building resilience skills among undergraduate medical students in a multi-cultural, multi-ethnic setting in the United Arab Emirates: A convergent mixed methods study. PLoS ONE 20(2): e0308774. Received: July 30, 2024; Accepted: January 28, 2025; Published: February 27, 2025. <https://doi.org/10.1371/journal.pone.0308774>
29. Farooq Khan, MRCP, Fatima Abdul, MD, Fahad Mulla, MBBS, Stafny Dsouza, PhD Muhammad Hamed Farooqi, MD, **Amar Hassan Khamis**, PhD, Mohammed Hassanein, MRCP4, Fatima Sulaiman, MSc, and Riad Bayoumi, PhD, FRC Path, Fatheya Al Awadi, MRCP. Noninvasive Assessment of the Severity of Liver Fibrosis in MASLD Patients with Long-Standing Type Diabetes. J Gen Intern 2025 Jan 22. Med PMID: 39841343. DOI: <https://doi.org/10.1007/s11606-025-09348-2>
30. Fatima Sulaiman, Costerwell Khyriem, Stafny Dsouza, Fatima Abdul, Omer Alkhnbashi, Hanan Faraji, Muhammad Farooqi, Fatheya Al Awadi, Mohammed Hassanein, Fayha Ahmed, Mouza Alsharhan, Abdel Rahman Tawfik, **Amar Hassan Khamis** and Riad Bayoumi. Characterizing Circulating microRNA Signatures of Type 2 Diabetes Subtypes. Int. J. Mol. Sci. 2025, 26, 637. <https://doi.org/10.3390/ijms26020637>
31. Maliha Ayoola, Diego Agustín Abelleira Lastoria, Laura Casey, Sara Dardak, Roshan Rupra, **Amar Khamis**, Caroline Blanca Hing, Sarah Radcliffe, Catherine Kellett. Correction: Noise in operating theatres - is it safe? Arch Orthop Trauma Surg 145, 171 (2025). <https://doi.org/10.1007/s00402-024-05489-x>
32. Meenu Maan, Jisha Pillai, Dalia Alsadig Mohamed, Nour Jalaeddine, Moosa Abuzayda, **Amar Hassan Khamis**, Mainak Dutt, Keyvan Moharamzadeh. The Effects of Electronic Cigarettes on Oral Microbiome and Metabolome in 3D Tissue-Engineered Models. International Dental Journal Dec (2024) 1-14. <https://doi.org/10.1016/j.identj.2024.12.002>
33. **Amar Khamis**, Fatima Abdul, Stafny Dsouza, Fatima Sulaiman, Muhammad Farooqi ,Fatheya Al Awadi, Mohammed Hassanein, Fayha Salah Ahmed, Mouza Alsharhan, Ayesha AlOlama, Noorah Ali, Aesha Abdulaziz, Alia Mohammad Rafie, Nandu Goswami and Riad Bayoumi. Risk of Microvascular Complications in Newly Diagnosed Type 2 Diabetes Patients Using Automated Machine Learning Prediction Models. J. Clin. Med. 2024, 13, 7422. <https://doi.org/10.3390/jcm13237422>

34. Ahmad Alawadhi, Kenan S. Basha, Jalal Al-Shryda, Tahani Al Ali, Ajay P. Dsouza, Hayder S. Abdulhadi, **Amar H. Khamis**, Ibrar Majid, Sattar Alshryda) The Impact of Focused Hip Ultrasound Training on Imaging Quality in Infants with Hip Dysplasia. Cureus 16(11): November 29, 2024) Te74787. DOI: [10.7759/cureus.74787](https://doi.org/10.7759/cureus.74787)
35. Priya S Santharaj, Farhad Kheradmand Janahi, A. Al Rais, M. Al Rukhaimi, **A.H. Khamis**, D. Hickey, Ali Abdulkareem Al Obaidli, Maria Gomez, Nujood Al khloofi, Father. Davis Chiramel. Guinness world record & Incredible Journey of Organ donation - United Arab Emirates. Transplantation 108(9S): September 2024 DOI: [10.1097/01.tp.0001066588.42297.4f](https://doi.org/10.1097/01.tp.0001066588.42297.4f)
36. Bayan Alyammahi, **Amar Hassan Khamis** and Ahmed Ghoneima. Accuracy of One-Piece vs. Segmented Three-Dimensional Printed Transfer Trays for Indirect Bracket Placement. Dent. J. 2024, 12(11), 352; <https://doi.org/10.3390/dj12110352>
37. Sara AlAskar , Mohamed Jamal , **Amar Hassan Khamis** and Ahmed Ghoneima. Comparative Assessment of Pharyngeal Airway Dimensions in Skeletal Class I, II, and III Emirati Subjects: A Cone Beam Computed Tomography Study. Dent. J. 2024, 12, 301. <https://doi.org/10.3390/dj1210030>
38. Batoul AlRamzi, Manal AlHalabi , Mawlood Kowash, Anas Salami , **Amar H Khamis** , Ahmed Ghoneima , Iyad Hussein. Do Hall Technique Crowns Affect Intra-arch Dimensions? A Split-mouth Quasi-experimental Non-randomized Feasibility Pilot Study. Int J Clin Pediatr Dent 2024; 17 (6):673-682. <https://www.ijcpd.com/doi/IJCPD/pdf/10.5005/jp-journals-10005-2858>
39. Rachid Kaddoura, Hanan Faraj, Farah Otaki, Rajan Radhakrishnan, Adrian Stanley Agnes Paulus, Lisa Jackson, Reem Al Jayyousi, Sharon Mascarenhas, Meghana Sudhir, Jalal Alfroukh, Hardik Ghelani1, Aida Joseph Azar1, **Amar Hassan Khamis**, Reem Kais Jan. High-fidelity simulation versus case-based tutorial sessions for teaching pharmacology: Convergent mixed methods research investigating undergraduate medical students' performance and perception. PLoS ONE 19(8): e0302609. <https://doi.org/10.1371/journal.pone.0302609>
40. Noor Adel Mohammed Ali1, Layth M. K. Nissan, **Amar Hassan Khamis**, Nameer Al-Taai. Enamel demineralization around orthodontic brackets bonded with new bioactive composite (in-vitro study). Journal of Baghdad College of Dentistry, Vol.36, No. 2(2024), ISSN (P): 1817-1869, ISSN (E): 2311-5270. <https://doi.org/10.26477/jbcd.v36i2.3678>
41. Riad Bayoumi, Muhammad Hamed Farooqi, Fatheya Alawadi, Mohamed Hassanein, Aya Osama, Debasmita Mukhopadhyay, Fatima Abdul, Fatima Sulaiman, Stafny Dsouza, Fahad Mulla, Fayha Salah Ahmed, Mouza Alsharhan4, **Amar Khamis**. Etiologies Underlying Subtypes of Long-Standing Type 2 Diabetes. PLoS ONE (2024) 19(5): e0304036. <https://doi.org/10.1371/journal.pone.0304036> .

42. Elwali, N.E., AlShareef, S.M., **Khamis, A.H.** et al. Pancreatic cancer in Saudi Arabia (2005–2020): increasing trend. BMC Cancer 24, 653 (2024). <https://doi.org/10.1186/s12885-024-12401-8>
43. Atiomo, W.; Rizwan, M.N.H.; Bajwa, M.H.; Furniturewala, H.J.; Hazari, K.S.; Harab, D.; Abdelkareem, W.; Inuwa, S.; **Khamis, A.H.**; Tahlak, M.; et al. Prevalence and Diagnosis of PCOS Using Electronic Health Records: A Scoping Review and a Database Analysis. Int. J. Environ. Res. Public Health 2024, 21, 354. <https://doi.org/10.3390/ijerph21030354>
44. Mariam N. Al Mansour, Manal Al Halabi, Iyad Hussein, Anas Salami, **Amar H. Khamis**, Mawlood Kowash. The Prevalence, Severity and Pattern of First Permanent Molars' Dental Caries in Children Attending A Postgraduate Dental Hospital: A Retrospective Study. Malaysian Journal of Medicine and Health Sciences (2024) 20(1):38-45. [doi:10.47836/mjmhs.20.1.6](https://doi.org/10.47836/mjmhs.20.1.6)
45. Jayroop Ramesh; Zahra Solatidehkordi; Donthi Sankalpa; Amar Khamis; Assim Sagahyoon; Fadi Aloul. Uncertainty-aware classification of tuberculosis subtypes with machine learning techniques and probabilistic calibration. AIP Conf. Proc. 3034, 040001 March (2024). <https://doi.org/10.1063/5.0194787>
46. Marwa Jameel Ahmed, Samira Diar-Bakirly, Nelson Deirs, Amar Hassan, and Ahmed Ghoneima. Three-dimensional computed tomography analysis of airway volume in growing class II patients treated with Frankel II appliance. Head Face Med. 2024 Feb 17;20(1):11. doi: [10.1186/s13005-024-00410-8](https://doi.org/10.1186/s13005-024-00410-8) PMID: 38365681; PMCID: PMC10873944.
47. Niranjana Nair, Ben Thomas Varghese, Hemica Hasan, Nagham Toba, Ghadah AlSharif, Poonam Panicker, Handan Celiloglu, Maida Balila, Ajaz Fakhri, Emily Lua, **Amar H. Khamis**, Samuel B. Ho. Tracking Risk Factors Related to an Outbreak of COVID-19 Among Healthcare Workers in a General Medicine Ward. Tracking Risk Factors Related to an Outbreak of COVID-19 Among Healthcare Workers in a General Medicine Ward. (November 07, 2023) Cureus 15(11): e48429. DOI: [10.7759/cureus.48429](https://doi.org/10.7759/cureus.48429).
48. Amre R Atmeh, Dhary Alshaiji, Farida Abdunabi, Mohammed Alamri, **Amar Hassan Khamis**. Comparing the softening effect of three gutta-percha solvents on different types of gutta-percha with different application durations. The Saudi Dental Journal. <https://doi.org/10.1016/j.sdentj.2023.10.025>
49. Duvuru R, AlAwadhi A, Halabi M, Hajijama , Elsheikh A, AlZaabi S, Suresh S, Akram S, Iqbal A, Safi AM, Narayanan NN, Aleabova S, Elsheikh AM, Balila M, Malik Z, Khamis AH, Ho SB, and Patkar S. Sixth Annual Mediclinic Middle East Research Conference. PERSISTENT SYMPTOMS FOLLOWING RECOVERY FROM COVID-19: A PROSPECTIVE CASE-CONTROL STUDY. Medicine 102(42): p e33794, October 20, 2023. | DOI: [10.1097/MD.00000000000033794](https://doi.org/10.1097/MD.00000000000033794)

50. Alawadi F, Bashier A, Bin Hussain AA, Al-Hashmi N, Bachet FAT, Hassanein MMA, Zidan MA, Soued R, Khamis AH, Mukhopadhyay D, Abdul F, Osama A, Sulaiman F, Farooqi MH, Bayoumi RAL. Risk and predictors of severity and mortality in patients with type 2 diabetes and COVID-19 in Dubai. *World J Diabetes* 2023; 14(8): 1259-1270 [DOI: [10.4239/wjd.v14.i8.1259](https://doi.org/10.4239/wjd.v14.i8.1259)]
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Section F: My Experience in Public Health

In October 1983, I was accepted into the Computer Science section of the School of Mathematical Sciences at the University of Khartoum, which was my preferred field of study. Since that time, my focus has also been directed towards Statistics. As it was not possible to study one subject independently, I combined Statistics with Computer Sciences; in particular, my high-grade rank increased my chances for taking such a competitive combination. As my field of study and I was the first of five colleagues selected for professional Statistics and Computer Sciences. After my graduation on 11 November 1988, I was appointed as a Teaching Assistant at the College of Education, University of Khartoum.

On 25 September 1990, then I accepted a one-year teaching position at Ahfad University for Women (AUW), and later, on 25 of September 1990, after working for one year, I was awarded a scholarship from the Embassy of France for, so I relocated to Paris to prepare my postgraduate studies. I spent one year studying the French language at CAVILAM, Department of French Language University of Clermont Ferrand. Then, in October 1991, I was accepted at The University of Paris XI to pursue a DEA of Public Health. Professor Joseph Lellouch asked me to prepare a Certificate of Medical Studies under a program of Life Sciences at the Faculty of Medicine, University of Paris Faculty of Medicine, and to work as a Research Assistant at the same time in the unit of the "INSERM 169 at L'Hopital du Paul Brousse Villejuif", as a prerequisite requirement for being fully accepted condition of acceptance. I completed my certified study successfully, and then in September 1992, I was so I was accepted at the biostatistics section of the program of DEA of Public Health program option of biostatistics, in September 1992. I completed my thesis and worked for one year, during my time as a Research Assistant at the hospital until I received my DEA on September 1994.

In October 1994, I returned to my position as a lecturer at the College of Medicine, AUW, as a Lecturer at the College of Medicine. The college of Medicine was one year of age and affiliated to Maastricht University in Netherlands. The philosophy of the College was problem based and community-based concepts. This was the first College of Medicine in Sudan to follow this system after the University of the Suez Canal in Egypt. We were very fortunate to be well trained at Maastricht University and to use their system to be exposed to the field of work and to the philosophy of family attachment; community-based teaching and rural extension.

We worked hard in the field of reproductive health with the community in Sudan, which, at that time who suffered a high rate of child and maternal mortality due to detrimental and harmful traditional practices such as Female Genital Mutilation (FGM) or female circumcision. We wrote a project to the UNDP and we received a large fund, under the supervision of the regional office of the WHO in Sudan, with the aim to fight against FGM and other harmful reproductive harmful practices in Sudan. I was the field coordinator, and along with other team members we were able to establish social laboratories in the two areas of where we used Umbadda and Alserourab in the outskirts of two areas around Omdurman, the largest city of the three towns' capital. which is within the capital of Sudan, as social laboratories. We applied the program in these areas to empower women, activate the role of social community leaders and introduce the institutes and people to the idea of partnership. The program was completed successfully and during our work, the indicators showed decreased rates in the rate of child and maternal mortality, was being minimized and the rate of harmful traditional practices was reducing. By the time we had finished, a new law criminalizing and punishing these detrimental practices was approved by the Sudanese Parliament to

prevent the practice of female circumcision, making it punishable. We also gave formal training to the traditional midwives. Personally, my involvement in this program offered me the chance to be trained in some International Institutes and by recognized experts in the field of Public Health. I attended a number of training programs including “The Millennium Development Goals for Health: Raising the Challenges” at the World Bank at Washington, USA, “Health Management” at the School of Tropical Medicine, Liverpool, and the “Workshop of Responding Driving Sampling” (RDS) at University of Zagreb, Croatia as well as many workshops and seminars in Morocco, Cairo, Geneva and Bergen, Norway. I continually and routinely met with scientists in the field of Public Health, continually to learning from their personal communication and expertise with them.

I had further activities during my work at AUW. I had a partnership relationship with the National Tuberculosis program and The Sudanese National AIDS Program (SNAP). I was one of the advisors in Statistics and Research, which widened my network with health professionals who are well known in their field. I gained experience to work particularly in the field of Infectious diseases, communicable Diseases and in Health in general.

As I had graduated from France, I had very good relations with the French Embassy in Khartoum. Only few Sudanese had completed their study in France due to language limitations, so I was invited by the French School in Khartoum to help the students in Physics and Mathematics. At that time, I met with Professor Allan Dassin, Director of the unit of the INSERM 399 Marseille, who had a project at Al-Gezira, a city in central Sudan where there was the world’s largest project of cotton cultivation. The main goal of project was to look for a major gene susceptibility and resistance to periportal fibrosis among people having *Schistosoma mansoni*. Professor Dassin asked me to join the project as there was an opportunity to gain a scholarship position for pursuing a to prepare for a PhD. I immediately accepted the offer and then appointed as this and became a field coordinator in the area of Umzoukra, a village in Al-Gezira state in Central Sudan. As I was the only person individual to have a French Diploma in DEA of Public Health, which made me eligible and have the eligibility to be accepted by French Institute. They asked me to pursue prepare my PhD as a Sandwich program between Al-Gezira and University and of AIX- Mediterranean Marseille. I accepted the proposal and the project became a part of the title of my PhD. From 1997 to 2003, I worked as a coordinator on four sites as a coordinator at Umzoukra, where I drew the pedigree of the families by collecting blood samples and travelling with them to Marseille, where I performed extraction of the DNA, purification, PCR and sequencing in the laboratory. I performed this over a six-year period until I completed my data collection and analysis and was eventually awarded my PhD in genetic epidemiology.

Throughout this period, I continued my normal duties throughout this period as a member of the College of Medicine at AUW Ahfad University in partnership with a TB program and a Researcher at the Ministry of Health. After I completed my PhD, I became Assistant Professor at AUW Ahfad University for Women until 2006.

I then moved to the College of Medicine at the University of Khartoum in the Department of Community Medicine to establish several programs at a of Postgraduate level of study, namely Masters of Community Health, PhD in Community Health, Masters of Community Medicine and PhD in Community Medicine. I

have always been proud to have joined the University of Khartoum, a university that was established in 1902, and I was one of its undergraduate students where I had completed my undergraduate studies. I also became part of the success story by establishing a very strong rural program that worked well by sending all the 5th-year Medical Students to a rural hospital where they would have spent two weeks working on public health. Much was learned during the 3-year period of February 2006 to June 2009, when we attracted funding and published papers and projects.

In July 2009, I took unpaid leave to move to Saudi Arabia to work at the College of Medicine, Department of Family and Community Medicine, University of Dammam. My main responsibility was to be teaching and to write projects to attract funding. One of the large projects, funded by Al-Ahly National Bank (ANB), was a clinical trial to compare two methods of treatments for breast cancer, namely “Intraoperative radio therapy vs. post-operative radio therapy”. The other projects were eye projects funded by AL-BASAR International Foundation, which conducted surveys in poor countries on vision acuity. I was the consultant to conduct these surveys at Niger and Sudan and I still continue am still working on one project in Bangladesh.

In July 2014 I moved from University of Dammam (formerly, King Faisal University) to Mohammed Bin Rashid University, Hamadan Bin Mohammed College of Dental Medicine in Dubai, Mohammed Bin Rashid University, where I have gained a greatly different experience. I had first received an invitation to work on attend as a locum position during the summer of ..(Amar put the date) to help dental postgraduate students with their research and follow up with ing two visits organized by Professor David Wray, the ex-Dean of the College, who had attended my classes many times and asked me to join the staff on a permanent basis. I moved to Dubai and enrolled in a project funded by Al-Jalila Foundation, namely “Gestational Diabetes - a novel model for investigating the genetic and environmental components of Type 2 Diabetes Mellitus: A Proof of Principle”. My contribution to with residents in their research projects provided is added me new dimension in oral health and epidemiology of oral health.

Epidemiological Laboratory (Epi-Lab)

In 1997, EPI LAB was established as a public health outreach research center initiative represented in a non-governmental, non-profit organization based in Khartoum, Sudan. The idea was brought up by the field work of the Doctoral thesis of the SNTP Manager’s doctoral thesis. Epi Lab was established to address the following objectives: Support and evaluation of health programs, utilizing the successful model of SNTP to address other public health problems, strengthening research capacity and linking academia to Public Health. Since that time, Prof. Asma Elsony (an epidemiology professor) and I myself we continue to lead and supervise Epi-lab since that time to present. And I continue to I am working there as vice executive director and head of the Epidemiology and Biostatistics section.

Under my direction responsibility and with supervision of Prof. Asma, we were able to obtain grants from WHO, World Bank, NORAD, LHII (Norwegian Heart and Lung International), and public Health Intervention Development Scheme (PHIND). Among other development partners, our work focuses primary on TB and HIV, and non-communicable diseases such as Evolution of novel Mycobacterium tuberculosis genotypes

in East Africa and clinical virulence trail assessment. Various A lot of projects were conducted by Epi-Lab, and currently now the Epi-lab is considered a Collaborative Center for of the Union and World Health Organization.

My contribution in MBRU since I joined on 13/07/2014

Since 13 of July 2014, the date that I joined MBRU I have been involved in all activities, Academic, consultation and research activities.

A. Teaching:

Hamadan Bin Mohammed College of Dental Medicine (HBMCDM)

1. CC508: Oral Epidemiology: Master of Dentistry for six Departments (Pediatric dentistry, Oral surgery, Prosthodontics, Periodontics, Endodontics, and Orthodontics)
2. C0502: Research Methodology and Biostatistics: Master of Dentistry for six Departments (Pediatric dentistry, Oral surgery, Prosthodontics, Periodontics, Endodontics, and Orthodontics)

Postgraduate College

1. MBMS7123: Biostatistics: Master of Biomedical Sciences
2. PHD702: Advanced Biostatistics: PhD of Biomedical Sciences

College of Medicine

1. MEDC 1124: Epidemiology and Biostatistics.
2. MEDC 2325: Research Method and Biostatistics.

B. Research

Together with my colleagues at HBMCDM, College of Medicine and the Postgraduate College supervise research of residents and students, my contribution begins early during problem definition, design of the study and continue till the result of the project published. The following are the title of the projects that I have been involved or my involvement still going on:

Master of Science Orthodontics, HBMCDM, MBRU, 2016

1. Fadi Iyad Elshafee: Occlusal outcome assessment of orthodontic treatments performed at an educational institute in Dubai, completed 2016.
2. Moaza Ghuloom Mohammad: Tooth size discrepancy characteristics among a group of Emirate schoolchildren, completed 2017
3. Mahmoud Dastoori: Anterior teeth root morphology prediction as derived from e-models: A comparative study of plaster study casts and CBCT images, completed 2017.

Master of Science Periodontology, HBMCDM, MBRU, 2016/2017

1. Shatha Alkhatri: To study the influence of the frequency of maintenance on implant Success, completed 2017

2. Khawla Almatrooshi: The influence of periodontal treatment on blood glycemic level of diabetic patients, completed 2017
3. Taha Abdulla: The Prevalence of Periodontal Diseases among diabetic Patients in Local Health Centers in Bahrain. Under process
4. Leena Alsalihi: The Prevalence of Periodontitis in obese adults in the Kingdom of Bahrain. Under process
5. Sireen Alraeesi: Awareness of periodontal health among pregnant female in Dubai dental clinic, HBMDCM. Under Process

Master of Science Oral Surgery, HBMDCM, MBRU, 2016

1. Alya Al-Madani: The Pattern of Oral and Maxillofacial Injuries among Patients Attending Al-Qassimi Hospital Emirate of Sharjah-UAE, completed 2017
2. Asmaa Al-Hamoudi: Clinical and Radiographic Investigation of Healing of Human Extraction Sockets Grafted with Easy-Graft Material Versus Extraction Sockets Without Graft for Ridge Preservation. A Randomized Control Trial, completed 2017
3. Mohamed Shammakh: Incidental Findings in Maxillary and Mandibular CBCT, completed 2017.
4. Taghrid Mohammed Sebeeh: The importance of the quality of referred dental x-ray images to the oral surgeon, completed 2017.
5. Heba Allah Madi: Minimally invasive implant treatment in atrophic ridges adjacent to anatomical structures: A retrospective multi-Centre approach, completed 2017.
6. Salha Othman: Prevalence of Impacted Teeth and Associated Pathosis: A radiographic Study of the UAE Population, completed 2017.
7. Al Batoul Omar: Assessment of anxiety levels among UAE patients undergoing Oral Surgery procedures at Hamadan Bin Mohammed College of Dental Medicine. Under process

Master of Science Prosthodontics, HBMDCM, MBRU, 2016

1. Nadia Tufenkeji: Tooth-Implant Combination in Fixed Dental Prostheses Vs. Implant-Implant; A Systematic Review, completed 2016.
2. Noura Mohamed Al-Hassani: The Perception of Dental Esthetics assessed by Prosthodontic Residents and UAE Prosthodontists, completed 2017.
3. Asma Ahmed Al-Shamsi: The Evaluation of Smile Design by Laypeople and Dentists in The UAE, completed 2017.
4. Hayat Taresh Aleeli: The Impact of Cantilevers Position On Clinical Outcome of Implant-Supported Fixed Dental Prosthesis, completed 2017.
5. Fahad Mohamed Adulla: Convergence Angles of Full Crown Preparations Performed by Dental Practitioners In Private Practice In Dubai, UAE, completed 2017.
6. Fatmah Al-Boloushi: Patient satisfaction with complete dentures. Under process.
7. Fatma Salem Al Saleh: Dental Implant selection and Restoration by Prosthodontists in Dubai. Under process
8. Shuaa Mubarak Alsoori: Super-structure failures in single crown short dental implants. Under process.

Master of Science Pediatric Dentistry, HBMDCM, MBRU, 2016

1. Batool Al Ghaith: Dental Caries Experience and Oral Health in Down Syndrome Children in Dubai, UAE - A case control study, completed 2016.
2. Dina Mansoor Ahmed: Oral Health Challenges Facing the Autistic Child in the UAE - A survey, completed 2016.
3. Eman Al-Nuaimi: The Incidence of Oral Health Problems in Leukemic Pediatric Patients in the UAE - A Retrospective Cohort Study, completed 2016.
4. Ghada Hussain: The Prevalence of Molar Incisor Hypomineralisation in Dubai City in UAE, A Cross Sectional Study, completed 2016.
5. Haifa Al Hashimi: Oral Health Among Children with Cerebral Palsy in Dubai - A Case Control Study, completed 2017.
6. Sheikha Al-Raeesi: Oral Manifestations and Dental Anomalies in Beta Thalassemic Children in Dubai (UAE) - A Case Control Study, completed 2016.
7. Noura Mohamed Juma: Knowledge, Attitude, and Practices of Parents toward their Children's Oral Health: A Questionnaire Survey among a Subpopulation in Dubai and Northern Emirates, completed 2016.
8. Mediya Alyasi: General dental practitioners' knowledge and application of the guidelines for the management of dental traumatic injuries in the United Arab Emirates, completed 2016.
9. Anas Ali Salami: Oral Health Status of Pre-school Children of Incarcerated Mothers at UAE. Jail Nurseries and Oral Health Knowledge and Attitude of their Caregivers completed 2017.
10. Hind Al Hajeri: Assessment of the Knowledge of United Arab Emirates Dentist of Child Maltreatment and Safeguarding, completed 2017.
11. Wafa Hassooni: A systematic review of population-based dental caries studies among children in Gulf States, completed 2017.
12. Shahad Alsari: Education Initiative on The Emergency Management of Traumatic Dental Injuries in Dubai, completed 2017.
13. Maryam Dastouri: Management of the Broken Down First Permanent Molar in Children: Practice and Knowledge of United Arab Emirate Dentists, completed 2017.
14. Amal Al Mahmoud: Knowledge of emergency department physicians about the management of traumatic dental injuries. Under process.
15. Halah Bin Laden: The Success of Preformed Metal Crowns in Primary Molars: Hall Technique versus the Conventional Method: A Retrospective Study in a Postgraduate Setting. Under process
16. Kholoud Al Antali: Changes on Children's Oral-Health-Related Quality of Life Following Dental Rehabilitation Under General Anesthesia in Dubai, United Arab Emirates. Under process
17. Rashed Esmaeil AL Hashmi: Knowledge about Child Maltreatment and Safeguarding among Dental assistants' and Hygienists' in Dubai and Northern Emirates. Under process.

Master of Science Endodontics, HBMCDM, MBRU, 2016

1. Badriya Mohamad: Impact of Cone Beam Computed Tomography on Endodontics, completed 2017.
2. Hind Alnuaimi: Attitudes and use of rubber dam in the U.A.E, completed 2017.
3. Sara Saeed Al-Shablan: Aspects of Dental Trauma. Under process

4. Aesha Obaid Alzaabi: Non vital Bleaching. Under process.

C. Dubai Dental Clinic (DDC)

I am a member of two committees in the DDC: “Management and Information Committee” and “Documentation Committee”. In addition, my contribution on providing consultancy in auditing plans and sharing on analysis data and reporting.

D. Projects and consultancy

I am involved in many research projects from my position as faculty of MBRU:

1. Gestational Diabetes - a novel model for investigating the genetic and environmental components of Type 2 Diabetes Mellitus: A Proof of Principle. funded by Al-Jalila Foundation. Dubai, UAE. July 2016.
2. Clinical Trial: Intraoperative radio therapy vs post-operative radio therapy. Funded by Al-Ahly Bank, King Fahad Hospital, Saudi Arabia, since May 2012.
3. Act as consultant on Eye Health Screening Program for School children in Bangladesh. Funded by Qatar Foundation and Al-BASAR International Foundation (collaborative NGO for WHO). Since April 2012.
4. Member of the team of International Tobacco Control (ITC), policy evaluation, in 20 countries over the universe. Lead by University of Waterloo, Canada. Since 2005.
5. Act as consultant in a project of Autopsy and Suicide attempt during 2009 to 2015 in UAE. PhD project of Dr. Rawdha Akshamsi from Department of Police at Abu Dhabi, conducted at Manchester University London. April 2016.
6. Act as consultant in a project of Understand Medical tourism in DHCC. Conducted by the Department of PR and communication. March 2016.
7. Act as consultant in number of projects in Latifa Hospital.
8. Act as consultant in a survey of Oral Health Status of pregnant Women in Dubai. DHA.

E. External examiner

In last year 2016, I was acting as an external examiner in the following project:

1. Dalia Eltayeb (ELTDAL001): Factors associated with patient and health system delay in diagnosis and commencement of treatment for pulmonary tuberculosis in the Middle East and North Africa (MENA). Systematic Review 2016. Faculty of Health Sciences. University of Cape Town, South Africa. 16 March 2016.

2. Act as visiting Professor to University of Dammam, for monitory and evaluation of research setting at Mohammed Bin Fahad Research Institute. University of Dammam, Institute, Saudi Arabia. February 2015.
3. Research fellow at Department of Medical Physics in Grand River Hospital (GRH). Kitchener Waterloo. Ontario. Canada since July 2018.

F. Community Service

Providing voluntary consultancy and advisory services for doctors and residents in Dubai and Latifa Hospitals.

Providing Lectures on research methodology and Biostatistics at Latifa Hospital.

Head of School children survey of “Eye Health” at Al-BASAR International Foundation.

Membership of editorial team of Stomatology Edu Journal. Romania

<http://www.stomaeduj.com/>

Membership of editorial team of Family and Community Medicine Journal. Saudi Arabia.

<http://www.jfcmonline.com/>

Please see my NCBI:

www.ncbi.nlm.nih.gov/myncbi/browse/collection/51957586/?sort=date&direction=ascending