



CURRICULUM VITAE

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MBBS, MD, MSc HPE, MScNeuro London, FRCP London

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Consultant Neurologist-Khartoum Teaching Hospital & Bashayr University Hospital-Sudan



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أستاذ مشارك كلية الطب جامعة أفريقيا العالمية

استشاري المخ والأعصاب-مستشفى الخرطوم التعليمي و مستشفى بشائر الجامعي

زمالة الكلية الملكية البريطانية-لندن المملكة المتحدة

دكتوراة الطب الباطن-المجلس القومي السوداني للتخصصات الطبية

الماجستير التخصصي الاكلينيكي لعلوم وأمراض المخ والأعصاب-جامعة لندن بالمملكة المتحدة،

ماجستير التعليم الطبي والتعليم المهن الصحية-المجلس القومي السوداني للتخصصات الطبية

Sep 2022



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Personal details

- Name:** Omer Eladil Abdalla Hamid Mohammed
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- E-mail:** omer_hamed@iua.edu.sd
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omer.hamid.10@ucl.ac.uk
- Cellular Phone:** 00249912395253, 00249927700996 Whats & Telegram (Sudan)
Skype:omereadil hamid
- Date of Birth:** 1st Jan 1968, 54 years
- Current Nationality:** Sudanese
- Health Status:** Good
- Marital Status:** Married with two sons.
- Language Skills:** Fluent in Arabic and English; the four skills.
Undergrad and postgrad studies in English
- Computer:Skills:** User of Microsoft Office Word, Excell, Powerpoint, Outlook and Internet Explorer,
SPSS, Mendeley & Zotero Ref Managers
A keen user of the internet.
- E-Learning:** Moodle LMS, Zoom, WizIQ, & many other platforms.

Professional registrations

Sudan Medical Council:

- Consultant Neurologist Registration (إستشاري المخ والأعصاب)
26/07/2020, No. 8: Neurology
- Consultant Physician Registration (إستشاري الطب الباطن)
26/7/2020, No. 509: Internal Medicine.
- Physician Neurologist (إختصاصي)
10/10/2012, No. 35:Neurology
- Specialty Registration (إختصاصي)
22/9/2008, No. 659:Medicine.
- Full Registration Medical Practioner (التسجيل الدائم)
12/3/97, No. 8622
- Preliminare Registration (التسجيل التمهيدي)
16/10/93, No. 8622.

Royal College of Physicians & Surgeons

- FRCP London 115129; March 2017

Qualifications

- Fellowship of the Royal College of Physicians (FRCP), London UK 2017.
- Master's Degree in Clinical Neurology, UCL/Queen Square-London- UK; 2011.
- MD Internal Medicine-SMSB; 2008.
- Diploma in Medical & Health Professions Education, SMSB; 2017.
- Master's degree in Medical & Health Professions Education, SMSB; 2020.
- Higher Certificate in Clinical Leadership-Joint program-Leeds University UK & SMSB; 2017.
- MBBS Faculty of Medicine Gezira University Sep 1993.
Internship; 1993-1995, Hardship & National Obligatory Service; 1995-1997, General Practitioner and Volunteering Work; 1997-2002, TA Physiology Department & Problem Based Learning Program FM-IUA; 2002-2004, MD Residency Program, SMSB; 2004-2008)
- MS International Virtual MasterClass; 2020.
- Postgraduate Certifications in Student Assessment, Research Methodology, Supervision, Work Place Based Assessment, Curriculum Design, Simulation & E-Learning, SMSB duration 2002-2017.
- Potential Instructor ALS European Resuscitation Council ERC 2016.

Current position (up to date 2022):

- Associate Professor of Internal Medicine and Neurology; Faculty of Medicine IUA; 2013.
- Consultant Physician Neurologist; Khartoum Teaching Hospital & Bashayr University Hospital; 2016.
- Accredited trainer; Sudan Medical Specialization Board for Internal Medicine, Neurology & Psychiatry. 2012
- Accredited trainer; Arab Health Specialization Board for Internal Medicine 2019.
- Accredited trainer; Arab Health Specialization Board for Neurology 2022.

Last positions:

- Ex-Dean Faculty of Medicine (FM-IUA); April 2016 to June 2020.
- Ex-Deputy Dean FM-IUA; 2013-2014.
- Acting Dean FM IUA; 2013.
- Ex-Director of Educational Development and Research Center IUA; 2010- 2013.
- Ex-Director of Educational Development, Curricula and Research Center AHS; 2008-2010.
- Ex-Director of Simulation Center SMSB; 2016-2019.
- Ex-Consultant Physician & Head of the unit- Ibrahim Malik Teaching Hospital-K Sudan; 2008-2010.
- Assistant Director Research, Staff and Curriculum Development Centre; FMOH Academy of Health Sciences AHS (Parttime 2008-2010).
- Parttime Consultant Educationalist AHS; 2011-2014.
- Parttime Consultant Neurologist-Neurology Department Alshaab Teaching Hospital. Khartoum Sudan; 2011-2013.
- ER Consultant Neurologist IMTH; 2012- 2014.
- Academic Advisor for the Research, Staff and Curriculum Development Centre and deputy dean-

Academy of Health Sciences (AHS) FMOH Khartoum Sudan; 2012-2013 (Part-time).

- Ex-Deputy Director of Educational Development SMSB; 2014-2016 (Part-time).
- Cultural Secretary of Sudanese Association of Physicians (SAP); 2014-2015.
- Rapporteur of Scientific Committee of the 28th, 29th & 30th Scientific conference of SAP; 2014 to 2018.
- Academic Advisor for the Research, Staff and Curriculum Development Centre-Academy of Health Sciences (AHS) FMOH Khartoum Sudan 2012-2018.

Papers & Research

1. **O. Eladil A.** Hamid. A new cognitive screening tool for a low-income country: Sudan Cognitive Assessment Test (SuCAT); phases for implementation.

&

The new Sudan cognitive assessment tool (sucat) is a potential early detector for low-income countries that surpasses the limitations of MMSE and MoCA

وتم نشره خارجياً في مجلة

Journal of the Neurological Sciences Volume 429, Supplement, October 2021, 119022DOI; <https://doi.org/10.1016/j.jns.2021.119022> Elsevier <https://www.sciencedirect.com/journal/journal-of-the-neurological-sciences>.

وتم عرضه في عدة مؤتمرات خارجية

- XXV World Congress of Neurology, taking place virtually on October 3-7, 2021,
- 17th Pan Arab Union of Neurological Societies (PAUNS) Congress Cairo Egypt Feb 2020.
- 15th World Congress on Dementia and Alzheimer's Disease (accepted for a virtual presentation)in London, UK.; Nov 21-22, 2022.

تسجيل الملكية الفكرية لإختبار الذاكرة والخرف بالرقم 20283 /ع/ 2022 م 22 ك بتاريخ 12 أبريل 2022م

A new cognitive screening tool for a low-income country: Sudan Cognitive Assessment Test (SuCAT).

2. Elsayed M, **Hamid Omer Eladil AA**, Tonga R, Elsadig SM, Ahmed MH, Ahmed M, et al. The Pattern of Neurological Disorders; Revisited Prevalence Data of a Dedicated Neurology Clinic in Sudan. *CRCM Journal*. **2021**;10(11):339–58. DOI: 10.4236/crcm.2021.1011043
3. Elagib MAA, **Hamid OEA**. The Health-related Quality of Life of Sudanese Patients with Idiopathic Parkinson's Disease. *International Journal of Neurological Disorders*. **2020** Jan;4(1):13–20. ISSN: 2639-7021.
4. Omer Abdelaziz Musa, Ibrahim Abdelrhim Ali, Magbola, Mohammed Hussein, **Omer Aladil A. Hamid**, Bashir Hamad. Modified Problem Based Learning MPBL: A New Approach in Medical Education. *Journal of Medical Education and Training*. **2020**;4(1):4:047.
5. Muaz A.M., **O Eladil**, Elsadig S., Ahmed M., Noori S. Challenging neurological presentations of varicella virus infections in Sudan: Clinical features, imaging and recommendations. *J Family Med Prim Care* 8, 2161. **2019**. https://doi.org/10.4103/jfmpc.jfmpc_183_19
6. Hussein, Malk Aldar M, **Al Adil O**, Siddig A, Ali A, Adil Taha M, et al. Post-Stroke Epilepsy in Sudan. *Journal of the Neurological Sciences*. **2017** Oct;381:1143.

7. **Hamid O E**, Taha MAO, Balla SA, Hussien A. Stigma of epilepsy among patients and their relatives attending charity clinic, Omdurman-Sudan. *Journal of the Neurological Sciences*. **2013** Oct;333:e61–2. <http://khartoumspace.uofk.edu/123456789/22349>.
8. **O. Eladil**. The objectivity of Standardized Patients SPs Assessment: do SP assessments correlate with expert examiners' assessments in Communication Skills OSCE Station (CSOS)? Oral Presentation *AMEE Ottawa Conferences. Assessment of health professionals and evaluation of programmes: Best practice and future development. Kuala Lumpur*. March **2020**. www.ottawaconference.org
9. **O. Eladil** Sudan Dementia Status: New Sudan Cognitive Assessment Tool (SuCAT) to replace MoCA & MMSE for illiterates). Oral Presentation *17th Pan Arab Union of Neurological Societies (PAUNS) Congress Cairo Egypt* Feb **2020**.
10. Elaalem A, **El-Adil O**. Relative risk factors of Bell's palsy among Sudanese patients in Khartoum state. *Journal of Neurology and Neuroscience*. **2017** Dec . <https://www.imedpub.com/proceedings/relative-risk-factors-of-bells-palsy-among-sudanese-patients-in-khartoum-state-2016-1083.html>
11. **O Eladil**. Sudan. Dementia Status: the anvil and the hammer; between the limitations of the known cognitive neuropsychological tests and the validity of the new SuCAT (Sudan Cognitive Assessment Tool) 7th Neurology & Neuroscience Conference; Khartoum Sudan. 19 Jan **2018**
12. **O. Eladil**. The Status of health sciences Research in Africa; past and present. Research gaps in Africa. Conference. The International University of Africa IUA. Khartoum Sudan **2018**
13. **O Eladil**, M.S. Almajzoub. EMG/NCS Case study of Hypokalaemia masking Guillian Barre Syndrome. 6th Neurology & Neuroscience Conference; Khartoum Sudan. **2016**.
14. **O. Eladil**. Dementia Score for Sudanese people Sudan Association of Physicians SAP; 29th Conference. Khartoum Sudan. **2015**.
15. **O Eladil**. Clinical correlates and pathogenic implications with the presumed immune associations in seropositive and seronegative Myasthenia Gravis, Oral Presentation. Sudan Association of Physicians SAP conference; Portsudan Sudan. **2013**.
16. World Congress of Neurology WCN 19-1075 JNS 405S (2019) 104608 Poster Session 2 Valvular lesions and epilepsy Abbasher K, AlHusseini RT, Sidig A, Digna MF, Hussien A, Abbasher **O. Eladil**, et al. Valvular lesions and Epilepsy. **2020** Oct.
17. World Congress of Neurology WCN. Elsayed M, **Eladil O**, Elsadig S, Noori S. Cases of neuroferritinopathy from Sudan. *Journal of the Neurological Sciences*405:26; **2019**
18. World Congress of Neurology WCN19-1077. Epilepsy among elderly Sudanese patients. A. Hussein, **O. Eladil**, et al. Volume 405, Supplement, 67-68, October 15, **2019**. DOI:<https://doi.org/10.1016/j.jns.2019.10.895>
19. World Congress of Neurology WCN19-0813 405S Poster Session 4 Prevalence of depression among Sudanese patients with myasthenia gravis A. Siddig, A. Hussein, **O. Aladil**, H. Abbashare, M. Abbashar, M. Alamin, K. Mohamed Ahmed Abbasher. **2019** 105216

20. World Congress of Neurology WCN19-1077 Journal of the Neurological Sciences 405S (2019) 104609. The quality of life among adult Sudanese patients with epilepsy A. Hussein, Y.E. Awada, M.M. Aldara, Y.A. Osman, S.A. Elhassan, **O. Eladil**, K.H. Hajnoor, K. Mohamed Ahmed Abbasher, Tofaha.
21. World Congress of Neurology WCN19-0059, Journal of the Neurological Sciences 405S (2019) 105145 Poster Session 4 Grading of bell's palsy among Sudanese patients in Khartoum STATE 2016 A. Elaalema, M.K.M. Elnimeirib, **O.E.A. Hamid**. 2019.
22. World Congress of Neurology WCN19-0958. Frequency of neurological deficits in Sudanese lepomatous patients. Journal of the Neurological Sciences: A. HusseinA. SidigM.M. EldarK. Hag NourK. Mohamed Ahmed Abbasher **O. Eladil** et al. Vol. 405. October 15, **2019**.
23. World Congress of Neurology WCN19-0894. Hussein A, Mahdi TF, Ibrahim MA, Ibrahim ZIH, Alwalid MA, Abbasher KMA, **O Eladil** et al. Hippocampal sclerosis among Sudanese patients with concomitant epilepsy and psychogenic non-epileptic seizures. Journal of the Neurological Sciences. **2019** Oct;405:75.
24. World Congress of Neurology WCN19-0937 Journal of the Neurological Sciences 405S Poster Session 2 Pseudoepilepsy among adult Sudanese epileptic patients A. Husseinab, F. Yassiena, A.A. Aliba, A. Siddig, **O. El-aAdil** E.M. Mahmoud, M.A. Ahmed, H. Abbashar, M.M. Aldar, M. Abbashar, K. Mohamed Ahmed Abbasher. **2019** 104583 DOI:<https://doi.org/10.1016/j.jns.2019.10.921>.
25. Shadia I, Hussein A, Amira S, Faroug Y, Ahmad B, O Gadour M, **Omer-Aladil**, et al. Stroke in women (Sudanese experience). *AJSIR*. **2011** Apr;2(2):157–60.
26. **O. Eladil**. Essential art in medicine; Communication Skills, Vol 5, No 1 ISSN:1990-7567, Jan 2010.
27. Omer Hussein A, Abdulgalil F, Eltoum H, Hamad A, **El-Adil O**, et al. Correlation between Serum Level of Antiepileptic Drugs and their Side Effects. *OMJ*. **2010**.
<http://www.omjournal.org/OriginalArticles/>
28. Correlation between Retinopathy, Nephropathy and Peripheral Neuropathy among adult Sudanese diabetic patients, 12th PAUNS Congress in Damascus May **2010**.
29. T A Hussein, A Mohamed, A Younis, HA Eltoum, A Sidig, KK Alla, **OA Adil**, A Hammad, M Malk, AE Tahir, MOH Gadour. The patterns of clinical presentation of the cerebellar syndrome among Sudanese patients. *Sudan Journal of Medical Sciences SJMS* vol.4 No.2 June **2009** DOI: [10.4314/sjms.v4i2.44896](https://doi.org/10.4314/sjms.v4i2.44896)
30. The prevalence of neurological complications among Adult Sudanese diabetic patients. *Sudanese Journal of Public Health SJPH*, Volume 4, Number 3, July **2009**.
31. Abbashar h, Amira S. **O Eladil**. Study of knowledge, attitude and practice towards epilepsy among relatives of epileptic patients *SJPH*, Vol 4 No. 4, **2009**.
32. **O. Eladil**. Evaluation of Kidney Recipients Ten Years post Transplantation. Unpublished Thesis for partial fulfilment of MD; **2007**

Attendance of international & national conferences & workshops

1. 74th Annual Meeting of the American Academy of Neurology Annual Meeting: Virtual online; April 24–26, 2022.
2. 7th Congress of the European Academy of Neurology; 19-21 June 2021

3. Royal College Physicians and Surgeons Canada Can Health CyberPatient's Simulation Four Online Webinars June/July **2020**, Presented a talk about FM-IUA Integrated Curriculum.
4. ZOOM Meeting about Clinical Simulation joint between the Royal College of Physicians and Surgeons Canada, and SMSB Oct **2020**.
5. The 24th World Congress of Neurology (WCN) in Dubai, United Arab Emirates, October **2019**.
6. EDC IUA SERIAL Medical Education Workshops in BPL, Assessment Curriculum and Course Design. **2016-2019**.
7. Sudanese Association of Physicians 26th to 31st **2013- 2018**.
8. Association for Medical Education in Europe (*AMEE*) Conference Barcelona, Spain.; August **2016**.
9. Introducing EBM in Undergraduate Curriculum Sudanese League of Faculties of Medicine August **2016**.
10. TBL workshop Faculty of Medicine IUA Sep **2014**.
11. The Conferences of Sudanese Neurosciences Society; **2013-2018**.
12. The 25th Conference of Sudan Association of Physicians Khartoum Feb **2012**.
13. Regional Workshop on E-Learning & Assessment, organised by The Scientific Society of Medical Schools in the Arab World in collaboration with The Sudanese Association of Medical & Health Sciences Schools in Khartoum, Sudan, 17-19 March **2012**.
14. Sudan Medical Council, Consensus workshop on the Teaching Modules of Professionalism 31st 3 **2012**.
15. Workshop The 3rd conference of Chest Physician association Khartoum April **2012**.
16. PBL workshop- Faculty of Medicine IUA Sep **2012**.
17. 11th Annual Course Neuroradiology & Functional Neuroanatomy-UCL London UK; April **2011**.
18. Workshop on how to conduct OSCE. University of Medical Science and Technology-Sudan Sep **2011**.
19. Workshop on Training Need Assessment WHO-Nuffield Center for International Health and Development, University of Leeds UK with CPD Sudan **2010**.
20. Preconference 23rd conference of Physicians about PACES **2010**.
21. 23rd Conference of Sudan Association of Physicians Khartoum **2010**.
22. 3rd Conference of the Sudanese Neuroscience Society, Faculty of Medicine University of Khartoum 21-25th February **2010**.
23. International Training of Trainers, African Medical and Research Foundation AMREF July **2010**.
24. Research Methodology AHS- FMOH **2009**
25. The Third International Conference on Medical Education in Sudan & the Sixth Scientific Meeting of the Association of the Medical Schools in the Arab World October November **2009**
26. Preconference Medical Education 3rd Workshops External Validation &
27. Preconference Accreditation of Medical Schools, Prof Sam Lenieaster UK **2009**
28. Preconference Medical Education 3rd Workshops, Effective feedback – Why, who & how not to do it., Prof Deborah Murdoch-Eaton, Leeds UK; **2009**

29. Preconference Medical Education 3rd Workshops, Planning & Producing an OSCE, Prof James Ware; **2009**
30. Workshop Reviewing Curriculum of the Faculty Of Medicine IUA 2009- Workshop Accreditation and authoring Midwifery curriculum Gezira University **2009**.
31. 20th, 21st, 22nd, 26th and 27th Conference of Sudan Association of Physicians **2008-2009-2012, 2013-2014**.
32. Workshop Introduction to Curriculum Design and Student Assessment Sudan FMOH **2008**
33. Medical Journal Editing SJPH **2007**
34. Conference of Sudanese Community Physician **2006**.
35. Workshops in Assessment, Standard Setting, Central Assessment Committee, Curriculum Design SMSB **2004-2007**.

Ongoing research

1. Validation of Sudan Cognitive Assessment Test Asliteracy Independent Neuropsychological Battery For Sudanese Patients
2. COVID-19 disease (proposal)
3. Neurogenetics of neurological diseases (proposal)

Editor and reviewer

1. IUA Faculty of Medicine QSN
2. Reviewer for Sudan Journal of Public Health Journal.
3. Reviewer for Omdurman Medical Journal.
4. Chief Editor of the first and second editions of AMSA conference Publications About Health Challenges facing African continent 2013, 2014. Supervision of postgraduate & undergraduate research

Supervision of researches

○ I'm supervising postgraduate research for:

1. The master's degree in health and medical education at FM-IUA (Three candidates).
2. The master's degree in health and medical education at SMSB (Two candidates).
3. MD Neurology Postdoctoral Degree (One candidate).
4. MD Internal Medicine thesis SMSB (Two candidates).

○ I supervised postgraduate research for:

1. MD Internal Medicine thesis SMSB (Nine candidates who passed the exam successfully).
2. MD Neurology Postdoctoral Degree (Two candidates).
3. IUA-FM. MBBS Partial Requirement Dissertations (many candidates).
4. MSC Neurology physiotherapy. ALNeelain university Faculty of Physiotherapy (three candidates).

○ I was appointed as external examiner for:

1. PhD student at Shendi University.
2. PhD student at Alnilian University.

3. MSC Neurology physiotherapy at ALNeelain university Faculty of Physiotherapy.
4. MSC Public Health at the Univesity of Medical Sciences and Technology.
5. MD Internal Medicine thesis SMSB.

Scientific and professional committees' memberships; national & international (up to date 2022)

- Technical Advisor Sudan National Formulary; FMOH 2016.
- Head of Curriculum Committee of MD Neurology Council; SMSB; 2016.
- Head of Curriculum Committee of Internal Medicine Council; SMSB; 2016.
- Deputy Secretary-General Sudanese Association of Physicians; 2017
- Academic Secretary of Sudanese Association of Neuroscience; 2018.
- Founding Member of African Specialization Board IUA; 2018
- Rapporteur of Scientific Committee of Sudan Association of Physicians SAP; 2010-2018.
- Member of Sudanese Evidence-Based Medicine; 2012-2019
- Supervisor of the Clinical Simulation Center SMSB; 2019.
- Patron of African Medical Student Association AMSA IUA 2013-2020.
- Sub-Saharan Africa Multiple Sclerosis HCP Advisory Board, 2020
- Member of Federal Ministry of Health (FMOH) Clinical Advisory Board; 2020.
- Member of the Committee Guidelines for PHC-Directorate General of Pharmacy-FMoH; 2020
- Member of Central Accreditation Committee Arab Board 2021.
- Founding member of the Neurology Speciality Committee ARAB Board; 2022.
- Member of Accreditation Committee SMC/WFME 2022.
- Member of the Committee Guidelines for PHC-Directorate General of Pharmacy, FMoH; 2020
- Rapporteur of Internal Medicine Higher Consultancy Committee–FMOH 2013-2020, then a member of the newly appointed committee.

IUA committees

- Adviser and member of the IUA- Faculty of Medicine (FM) accreditation committee.
- As ex-Dean Faculty of Medicine, I participated in the Scientific and Admin committees and councils; Scientific council, Senate, Higher Examination Committee, Higher and Postgraduate Committee, Admission Committee, Board of Trustee, and IUA Financial Council.
- Committee of IUA Norm-referenced Exam Regulation.
- IUA Central Committee of Electronic & Online learning.
- IUA-Central Assessment Committee, Electronic Learning, Curriculum and research development.

Hospital & Social Committees

- Accreditation and faculty enhancement neuroscience committee Bashayr University Hospital.
- Advisor of COVID Public Awareness Committee Alkadru Khartoum North 2019
- Member of Elshiekh Hamid Mosque Committee.
- Member of Education development in Alkadru- Khartoum North.

- Member of Faisal Bank Public Awareness & Social Accountability Forum.
- Health Education awareness talk IUA-African TV Channel & Samha Alafia Tayba TV Channel

Accredited trainer for:

- MSc Medical & Health Professions Education; IUA & SMSB; 2018.
- MD Neurology Postdoctoral Training SMSB; 2016.
- Thesis supervision and viva examination MD Internal Med and Neurology SMSB; 2013,
- The Medical registrar/residents for General & Neurology Shifts; Internal Medicine Council SMSB. From 2008 to 2010. Then, from 2012 to the present.
- Undergraduate medical students 2008-2010, then 2012.
- SMSB Speciality postgraduate residents in Family Medicine, Immunology & Psychiatry; 2018.

Academic and professional activities:

Impact on neurology service

- On returning from London after successfully obtaining a Master's Degree in Neurology, I was posted in 2011 to Ibrahim Malik Teaching Hospital in Khartoum, where I worked as a physician neurologist with duties covering neurology and general medicine. Besides my regular duties, I made some critical contributions to neurology service with impacts on Khartoum State and the rest of Sudan. I advocated for and established an emergency neurology service as the only frontline service of its kind in Khartoum State. This service proved critical and highly beneficial to cases from Khartoum State and referred and casual cases for other states of the country. A 12-months-Audit in 2014 showed that a total of 987 patients were admitted through this window.
- In 2016, I established with my colleagues from Alnailain Faculty of Medicine the Basayr University Center for Neurology and Neuroscience, which provides neurology services for Khartoum Peripheral State's underdeveloped areas. As well as provide structured training for fellow neurologists, internal Medicine, Family Medicine, and Psychiatry residents for MD degrees.
- I participated actively and enthusiastically with other great neurology colleagues in the recent reestablishing of the neurology services in Khartoum Teaching Hospital.
- I acted as a team member in developing an MD neurology curriculum as a basis for a new speciality program offered by the Sudan Medical Specialization Board (SMSB). Based on my expertise in curriculum development and planning, I contributed effectively to conceptualising the program and designing the curriculum framework and contents. The program has been approved by the leadership of the SMSB; three batches are now actively enrolled in neurology and neurosciences training, one batch graduated, and the second batch finished their training. I am actively involved in the training, organisation and supervision of their education, health service and research as a trainer and a member of the SMSB MD Executive Board. The MD neurology graduates marvellously contribute to addressing a critical gap in neurology services in Sudan, especially in the peripheral states.
- I have been engaged in training activities beyond my traditional role as medical school staff. I organised training sessions, seminars, and discussions in neurology for postgraduate residents, medical students, and nurses within my hospital and beyond. Hundreds of health professionals and students benefited from my sessions over the last period. Besides this role, I have extended my neurology awareness and teaching role to the public. I have been invited by a famous cultural centre (Alfaisal Centre) in Khartoum and TV channels to deliver health education sessions to public audiences and respond to the questions and concerns of patients and community members.

Contribution to undergraduate medical education

- Throughout the time of registrarship that I spent in different Teaching Hospitals, I have been involved in teaching medical students.
- Teaching assistant Faculty of Medicine IUA; in Problem based learning, Physiology and internal medicine Departments 2002-2004; Assistant professor of internal medicine 2008 -2010; then associate professor of medicine and neurology 2013.
- I have also participated in the exams of the Fifth and Sixth-year medical students
- Lecurar at different medical schools.
- I contributed as one of the OSCE committee members in different medical schools in reforming the final MBBS exams from the old classical long/short cases exams to OSCE.
- Preparing the Written and OSCE for final year medical students in many medical Schools.
- Examiner of the final year medical students at different Sudanese Universities.
- Supervisor of undergraduate Research AHS, FMOH, UMST and IUA
- Coordinator and Co-coordinator of academic modules and courses, Faculty of Medicine IUA
- I have also prepared some hospital management protocols in my Teaching Hospital.
- Chief of the Admission committee Faculty of Medicine for the year 2010.
- Activities attended by house officers and undergraduates: Regular clinical rounds & Out-Patient Clinics, inward patient follow-up, clinical meetings and tutorials; and contributed actively to the staff meetings and Staff/ ward rounds activities.
- Member of the Curricula committee to update the IUA- FM MBBS curricula and other similar schools.

Contribution to postgraduate curriculum development

- Member of the Curricula committee, which updated the IUA FM Curriculum.
- Member of the Curricula committee that developed the IUA FM Master of Health Profession Education Curriculum.
- Member of the Curricula Committee who developed SMSB MD Postdoctoral Neurology Speciality
- Member of the Curricula Committee, which updated SMSB MD Internal Medicine.
- Member of the Curricula Committee who updated SMSB MD, Surgery, Obstetrics and Gynaecology, Paediatric, Family Medicine and Medical/Surgical Nursing
- **Internationally:** Developed the Curricula of Postgraduate Studies for the University of Somalia; **2018**
- Participated In MBBS Curriculum Development in different faculties.

Contribution to postgraduate training residency

- Trainer of MD Internal Medicine Residents/registrar 2009-2010, then 2012 to present
- Trainer of MD Psychiatry Residents/registrar; 2016.
- Trainer of MD Family Medicine Residents/registrar; 2016.
- Organizer and member of Examination Committee of the First and Second part MD SMSB; 2010.
- Examiner of the Second part of Clinical MD Sudan Medical Specialization Board SPACES; 2015.
- Organizer of Academic meetings and other activities of the Medical registrars during registrarship.

- Supervisor of Postgraduate Research IUA, UMST and Alneelain University.
- External Examiner of Master's degree SMSB, UMST and Alneelain University
- Activities attended by medical registrars: clinical rounds, outpatient clinics, inward patient follow-up, clinical meetings, tutorials, staff meetings and ward rounds activities.

Contribution to nursing and allied health medical education

- Throughout the registrarship and as a consultant in different Teaching Hospitals, I was involved in teaching the nursing and other paramedical staff.
- I have also participated in the National Exams of the Nursing Schools.
- Lecturer at different medical and paramedical schools.
- Supervisor of undergraduate Research Academy of Health Sciences (AHS)-FMOH.
- Appointed by the WHO as a focal person to design and review curricula of Community Health Workers, Medical assistants and Midwives for AHS-FMOH, Sudan.
- I revised and developed with other members many new curricula of the AHS-FMOH, Sudan:
 - ✓ *BSc and diploma for medical nurses.*
 - ✓ *BSc and diploma in Medical Assistant.*
 - ✓ *BSc and diploma for Laboratory Assistant*
 - ✓ *BSc and diploma for Public health Assistant*
 - ✓ *BSc and diploma for Professional and Technical Midwives.*
 - ✓ *Technical diploma Community Midwives.*
 - ✓ *Technical diploma Community Health Workers.*
- I lead the OSCE/OSLER/OSPE committee of the AHS to reform their professional exams

Other books and publications

- PHC Neurology Guidelines Directorate General of Pharmacy-FMoH Sudan (Group Work).
- Protocol of atypical & modified Measles prevention, promotion and treatment-FMOH (Group Work).
- Protocol of Meningitis prevention, promotion and treatment FMOH. (Group Work).
- Protocol of Hep E prevention, promotion and treatment FMOH.
- Protocol of Management of Ebola patients Internal medicine Protocol of Curative Directorate-FMOH
- SMSB Thesis Guidelines; 2015. (Group Work).
- IUA-FM. MHPE Proposal; 2020.
- Haj Mass Gathering Medical Protocol 1st and 2nd Edition (Editor).
- SMSB Educational Assessment Program (Group Work).
- SMSB Curriculum Development Guidelines (Group Work).
- SMSB Course Development Guidelines (Group Work).-----