



Curriculum vitae

Professor Inaam Nouredyme Mohamed Masoud

Name	Inaam Nouredyme Mohamed Masoud
Date of Birth	1/9/1968
Place of Birth	Khartoum
Gender	Female
Marital Status	Married
Nationality	Sudanese
Academic Status	Associate Professor
Department	Paediatrics and Child Health
Faculty	Medicine
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Paediatrics neurologist – SMC registration Number	174
FRCPCH Membership Number	298753
MRCPCH examiner number	1361
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Google scholar	https://scholar.google.com/citations?user=zo5vGe8AAAAJ&hl=en

1.2. FIELD OF WORK

- Paediatric and Child Health
- Childhood Neurology, Epilepsy and Neurodisabilities
- Health Professional Education.

1.3 SPECIAL INTEREST

- Child development and neuro-disabilities
- Childhood Epilepsy
- Neurogenic
- Neuromuscular disorders
- Research
- Quality in Medical education

2. Academic Qualifications

Degree	Institution	Country	Date
FRCPCH	Royal college of paediatrics and child health.UK	U.K.	2018
MSc- Master Degree in Health Professional Education-(MHPE)	University of Khartoum	Sudan	2018
Clinical MD Paediatrics & Child Health	University of Khartoum	Sudan	2005
MBBS	University of Khartoum	Sudan	1994

3. Academic appointments experience including indications of external recognition

Position/Title	Institution/ country	Date
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Director of the Educational Development centre for Health Professionals	Faculty of Medicine-University of Khartoum	2018
Supervisor for master degree in Health Professional Education	University of Khartoum- Postgraduate college	2018
Head of the neurology unit at Gafer Ibn Auf Specialized Unit	Ministry of Health	2010
General secretary of department of paediatrics – faculty of medicine	Department of paediatric -Faculty of Medicine-University of Khartoum	2016
Head of the examination committee for paediatric council at SMSB	Sudan Medical Specialization board	2016

4. AWARDS:

- FRCPCH, (fellowship via election) Royal college of paediatrics and child health U. K. 2018
- I have been awarded ((وسام التمييز للعناية السريرية)) **WISSAM of CLINICAL EXCELLENCE** from Ministry of Health- Mother and Child Health Sector 2017.

5. Professional posts and responsibilities

- **April 2018 to present:** Director of EDC at faculty of Medicine- U of K
- **April 2018 to present:** Supervisor for the master degree in Health Professional Education –EDC-
- **December 2008- to present :** Head of neurology Unit at Gafer Ibn Auf Specialized Hospital for Children Khartoum, Sudan
- **June/2007 to present :** Consultant Pediatrician, Neurology outpatient department – Soba University Hospital
- **August /2010 - April/ 2012-** Consultant Pediatrician at Ibrahim Malik Hospital- General Unit.

- **April 2007-Nov 2008** Consultant Pediatrician at Ahmed Gasim Hospital for Children- General Paediatrics Unit.
- **May /2004-April 2007** Consultant Pediatrician, Gafer Ibn Auf Specialized for Children Hospital – Khartoum- General Paediatrics Unit.

5- Specialty Residency Training :

(June/2000-september2003) Clinical MD Paediatrics & Child health residency rotations:

1/12/2000 to 31/3/ 2001	Ibrahim Malik Hospital
1/4/2001 to 1/8/2001	C15 -Gafer Ibn Auf Specialized hospital
1/8//2001 to 30/11/2001	Soba University Hospital
1/12/2001 to 31/3/2002	Soba University Hospital
1/4/2002 to 1/8/2002	Omdurman Children Hospital
1/8/2002 to 31/11/2002	C2 – Khartoum Teaching hospital
1/12/2002 to 31/3/2003	Academy Teaching hospital
1/4/2003 to 1/8/2003	C1 Khartoum teaching Hospital
1/8/2003 to 1/ 11/2003	Ahmed Gasim Teaching Hospital

- **June /2000 to June /2001**
 - Preparatory course for part1 - clinical MD
 - Ambulatory and Emergency Room training
 - Pediatric rotation in primary health care centers in Khartoum.
- **1/6/ 1997- 1/4/2000: Medical Officer :** Ibrahim Malik Teaching Hospital
- 1/6/1999-1/5/2000 Maternity leave
- 1/2/1998-1/6/1999: Ibrahim Malik Hospital – Neonatal care Unit- General Pediatric
- 1/6/1997- 1/1/1998: Ibrahim Malik Hospital – General Pediatric Unit

5. Internship period: 7/4/1994-17/5/1996:

Surgery	7/4/1994 - 15/8/1994	SUH(Soba University Hospital)
Medicine	15/8/1994 - 15/12/1994	SUH
Paediatrics	15/12/1994 - 15/3/1995	SUH
Obstetrics & gynecology	1/4//1995 - 1/8/1995	KTH(Khartoum Teaching Hospital)
Orthopedics	1/8/1995 - 1/11/1995	KTH
Dermatology	1/11/1995 - 1/1/1996	KTH
Psychiatry	1/1996 - 1/3/1996	Psychiatry – KTH
Cardiology	1/3/1996 to 17/5/1996	Alshaab Hospital – Khartoum

6. PROFESSIONAL COURSES & WORKSHOPS ATTENDED

Training Course/Workshop	Body	Country	Date
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Paediatrics Life Support (PLS) course	HITC-1	Qatar	24/1/2022
Basic Life support(BLS)	Sudan	Sudan	9/1/2022
Covid 19- Pandemic –management Protocol-triage	Ministry of Health	Sudan	2021
Covid 19 pandemic effect on child health	Ministry of health	Sudan	2021
E- learning - situational analysis - Sudan	EDC	U of K	2020
Regional Capacity Building For The Implementation Of The Care For Child Development	WHO regional office for Eastern Mediterranean (EMRO) – United nation Children Fundus - UNICEF -	Tunis, Tunisia	29/10-2/11 2018.

<p>EEG in the diagnosis & management of epilepsy in neonates and children 7th edition</p> <p>Include the following units:</p> <ul style="list-style-type: none"> ➤ Technical issues in this age group (Unit 1) ➤ Normal EEG patterns in premature and neonates (Unit 2) ➤ Normal EEG patterns in infants and children (Unit 3) ➤ Non-epileptic events in neonates and children (Unit 4) ➤ EEG in epilepsies in early childhood (Unit 5) ➤ EEG in epilepsies in late childhood (Unit 6) ➤ EEG in neonatal pathology (Unit 7) ➤ EEG in neonatal and infantile epilepsies (Unit 8) 	<p>(ILAE / VIREPA(Epilepsy Virtual training) - Distant learning - 50 Credit Points</p>	<p>Distant learning</p>	<p>1/ 2018 to 7/2018</p>
Approach to children with Autism	Emirate neurology association	Emirate Dubai	22-25/5/2017
Management of spasticity in patients with cerebral palsy	Sudanese association of paediatrics	Sudan	2-7/7/2016
PET1(Paediatric Epilepsy Training) as faculty member	BPNA	Sudan	14/3/2017
PET2 as observer	BPNA	Emirate Dubai	May 2016
PET2 as faculty member	BPNA	Sudan	15/16

			3/2016
PET1 as faculty member	BPNA	Sudan	23/24 - 9/2016-
PET3 as participant 2014 Doha – Qatar			
Intensive care for patients with neurodisabilities Sudan	Federal Ministry of Health	2012	2014
PET- EEG (Paediatrics epilepsy Training Course) as participant Doha	BPNA- UK	Doha – Qatar	2014
PET1(Paediatrics epilepsy Training Course) as Observer-	(BPNA) - UK	India- Ahmedabad	26/11/2014
Training of Trainer course for PET- courses (Paediatrics Epilepsy Training Course)	(BPNA) - UK	India- Ahmedabad	26/11/2014
Paediatrics Neurology (Converting the European Training Advisory Board Syllabus and involving 588 hours of academic study - Consist of 12 units as follow: <ul style="list-style-type: none"> ➤ Introductory unit ➤ Embryology, disorders of neuroembryogenesis, hydrocephalus and Neonatal neurology ➤ Development and learning ➤ Central Motor Unit, congenital and acquired spinal cord disorders ➤ Development and function of the peripheral nervous system and neuromuscular disorders ➤ Membranes, channels, Epilepsy and paroxysmal disorders ➤ Cerebrovascular Diseases, Trauma and 	(BPNA)-UK	Distant Learning UK	2014-2016

<p>Coma</p> <ul style="list-style-type: none"> ➤ Inflammation and infection of the CNS. ➤ Metabolic , Nutrition and systemic diseases ➤ Vision and Hearing and their disorders ➤ Neuro-oncology ➤ Psychological development Psychiatric Disorder, ➤ Communication, Learning Disability & Service Networks. 			
Training of Trainer course for PET3 (Paediatrics Epilepsy Training Course)	BPNA)- UK	Qatar- Doha	3-5/3/2015
Training of Trainer course for PET/ EEG (Paediatrics Epilepsy Training Course in Electroencephalogram)	BPNA)- UK	Qatar- Doha	5/3/2015
Introduction to research ethics – workshop	UNESCO chair in bioethics And University of Khartoum	Sudan	December 2014
PET1(Paediatric epilepsy Training Course) as Observer	British Paediatric Neurology Association(BPNA)- UK	India- Ahmedabad	27/11/2014
Training of trainer course	British Paediatric Neurology Association(BPNA)- UK	India- Ahmedabad	28/11/2014

STATA- statistic course	Soba University Hospital – EDC and London School for Tropical Diseases.	Sudan	2013
PET1 (paediatric Eepilepsy Training)	British Paediatric Neurology Association(BPNA)-	Qatar- Doha	2012
PIT2 (paediatric Eepilepsy Training)	British Paediatric Neurology Association(BPNA)	Qatar- Doha	2012
1st middle East Neuro-metabolic Training Course	Orphan Europe Academy, Hamad Medical Corporation, University Hospital for childhood and adolescent medicine, Heidelberg)-	Qatar- Doha	2011
Basic Life Support Course	Federal Ministry of Health)	Sudan	2009
Advanced Life Support Course	Federal Ministry of Health)	Sudan	2009
Emergency Triage Assessment and treatment Course	National Ministry of Health, WHO & UNICEF)	Sudan	2009.
Management of Severe malnourished children in hospital	Federal Ministry of Health	Sudan	2005

Management of Severe malnourished children in hospital training of trainer course	Federal Ministry of Health and WHO	Sudan	2005
IMCI case management as clinical instructor (many)	Federal Ministry of Health and WHO	Sudan	2005-2011
IMCI case management as facilitator (many)	Federal Ministry of Health and WHO	Sudan	2005-2011

7. COURSES & WORKSHOPS ATTENDED IN EDUCATION

Training Course/ Workshop	Body	Date
Designing online quality course	EDC- ONLINE	4/ 2021
Digital transformation	EDC- ONLINE	3/2021
E- learning – in Covid 19 pandemic - quality and more	EDC- ONLINE	12/2020
Assessors for accreditation of medical school training course	Sudan Medical Council	11/2020
Introduction to e- learning- MOODLE – online course as participant	University of Khartoum Faculty of Medicine EDC	2/2020
Educational technology – New Era	University of Khartoum Faculty of Medicine EDC	January 2020
Citation manager – EndNote	University of Khartoum	10 /2019

	Faculty of Medicine EDC	
Research methodology and biostatistics -	University of Khartoum Faculty of Medicine EDC	11 /2019
Management and leadership course	EDC- Faculty of Medicine - University of Khartoum –	December 2019
Quality of OSCE – New trends in students assessment –	EDC- Faculty of Medicine - University of Khartoum-	June 2019
Essential of interpersonal and intercultural communication skills-	EDC- Faculty of Medicine - University of Khartoum	27-29 August /2019
RCPCH – OSCE examiner training course (New format) --	online course- RCPCH-UK	March 2019
Curriculum development and course design	SMSB- EDC	6-9/ 12/2019
Written exams	SMSB- EDC	12-15/12/2019
Postgraduate assessment methods	SMSB- EDC	12-20/5/2018
E- portfolio	SMSB- EDC	20-25/12/2018
Clinical and practical assessment methods	SMSB- EDC	13-12/12/2017
Get your work published	SMSB- EDC	25-20/6/2016
Thesis Supervision	SMSB- EDC	12-13/7/2016
Evidence Based Medicine	SMSB- EDC	10-12/5/2016
RCPCH – OSCE examiner training course-	Soba University Hospital-	4/2016
Professionalism	Sudan Medical Council	2016
OSCE – training course –	Sudan Medical Specialization Board -	4/2016
The concept, principle and characteristic of effective	Sudanese Association of	23/24

leadership January	surgeon -	9/2016.
Introduction to research ethic- UNESCO chair in bioethics	University of Khartoum- Sudan-	15/16 3/2016
STATA – statistic course-Soba University Hospital –	EDC and London School for Tropical Diseases – Sudan	-6-8/2012
Multiple station clinical examination in Paediatrics	Sudan medical specialization board and royal college of Paediatrics and child health - Sudan and UK	2011
Writing a scientific paper	Soba University Hospital - EDC	2011
Assessment and evaluation tools	EDC faculty of medicine AND Sudan Medical Council)	2009
Student centred learning: The Supporting Teaching Strategies and methods.	(Educational Developmental Centre (EDC) & WHO)	2008
Quality Assurance in institutional Summative Assessment	EDC & WHO	2008
Learning, teaching and assessing communications skills	EDC & University of Cambridge	2007
Research methodology – fundamental of biostatistics	EDC & Graduate Collage Medical and Health Sciences Board)	2006
E. Learning	EDC	2005

MCQs construction	EDC	2006
Educational planning	EDC & Ministry of Higher Education	2005
Evidence bases medicine	EDC & Sultan Qaboos University	2005
Student support	EDC & University of Leeds	2005

8. TEACHING & EXAMINATION EXPERIENCE

a) Teaching Responsibilities for this Academic year and last Academic year

This year 2018-2019-2020

Undergraduate Teaching: Actively involved in the teaching of undergraduate medical students in the form of clinical rounds, lectures, tutorials and seminars.

i) Undergraduate

Course Title	Semester/year	Curriculum year
Basic life support in year	semester11	1
Infectious disease	semester VI	3
Professionalism & Medical Ethics	semester VII	4
Paediatric emergency course	Semester 7	4
Paediatric clerkship	semester 9	5
Lectures	semester 9	5
Seminars	semester 9	5
Skill lab	semester 9	5
Primary Health Care	semester 9	5
Clinical rounds / clerkship	semester 12	6

Undergraduate (Teaching undergraduate medical students at faculty of medicine –U of K 2018-2019)

Paediatrics emergency course	ABC in pediatrics	
Infectious disease course	Meningio-encephalitis	Semester 7/8
Paediatrics clerkship	Clinical rounds History taking and clinical examination in pediatrics	Semester 9/10
Lectures	Introduction to Paediatrics Approach to a child with seizures Cerebral palsy and neurodisabilities Normal Child development Acute White matter disorders	Semester 9/10
Seminars	Coma and CNS infections Approach to child with neuro- regression	Semester 9/10
Clinical rounds	General pediatrics and neurology Child Developmental assessment	Semester 11/12
Lectures	Approach to child with cerebral palsy & neurodisabilities Stroke Ataxia Paraplegia Epilepsy and epileptic syndromes	Semester 11/12
Integrated sessions	Neonatal seizures CNS infections	Semester 11/12

ii) Postgraduate teaching (SMSB):

- (Paediatric registrars SMSB):** Actively involved in training of registrars (SMSB) on year three and four of their rotation. Every 3 months we will have new batch of 7-10 registrars, who trained on common paediatrics neurological disorders, neuro-emergency, neuroradiology, and related ethical issues with special emphasis on ICU /HDU care. We have a special training neurological examination for children and developmental assessment. To achieve these, we conduct a lot of weekly/ monthly activity eg radiology meeting, morning reports, discharge clinic, case presentation. Short talks, lectures and seminars as follows:

Course Title	Semester/year	Curriculum year
Lectures/ group discussion		
Approach to a child with seizures	First part for MD in paediatrics at SMSB	2010 – to date
Stroke in children		
Status epilepticus		
Cerebral palsy and neurodisabilities		
A child with abnormal behaviour		
Acute flaccid paralysis		
Epilepsy syndromes	2nd part for MD in paediatrics at SMSB Once/6-9months	2009-date
Epileptic encephalopathy		2009-date
Acute Disseminated Encephalomyelitis (ADEM)		2009-date
Mitochondrial disorders		2009-date
Neuromuscular disorders		2009-date
Brain images in paediatrics		2009-date
Activities		
Morning report	Daily	Since 2010- to present
Major round	Twice/week	
Radiology meeting	Once/week	
Case presentations	Once/ week	

Tutorial/seminar	Once/ week	
Discharge clinic	Once/month	
Mortality Meeting	Once/month	
Journal club	Once/month	

C. Bedside teaching for registrars (SMSB) and Arab board 2005- date

D. Ambulatory Department Teaching (OPD) (SMSB) and Arab board 2005- to date

2. Health Professional Education(MSc students)

- I have been actively involved in teaching students of master degree in HPE as group facilitator, with great input in the following courses:
 - Curriculum and course design
 - Teaching and learning
 - Assessment and evaluation
 - Research methodology
 - Teaching & research technology.
 - Leadership and management
 - Accreditation of medical schools and quality control
 - Research ethics
 - Student support programs
- As a director of the EDC I have been involved in organizing the face to face teaching as well as online activities for this master.
- I have input on preparing the online exams
- I have major role as facilitator for online forums and assessment of online assignment
- I have been involved in medical education research and thesis supervision at EDC faculty of medicine and SMSB.

iii) Staff Training

Training	Staff Grade	Institution	Date
COVID 19 – transmission and protocols	Nurse and paramedical staff	Gafer Ibn Auf Hospital	2020
COVID 19 – triage	Nurse and paramedical staff	Gafer Ibn Auf Specialized Hospital	2020
Using Binet 5th edition in measuring IQ in children-	Psychologist	Gafer Ibn auf Hospital.	3/ 3/2018
Feeding problems and oromotor dysfunction in patients with neurodisabilities	Dietician	at Gafer Ibn auf Hospital and Soba University Hospital	10/1/2018
Medical records and information management.	Statistic Unit	Gafer Ibn auf Hospital	2019/ 2018
Infection control	Paramedical Staff	Gafer Ibn auf Hospital.	2018-2020
Promotion of hand washing	physiotherapist	Gafer Ibn auf Hospital	2018- 2020
Active versus passive physiotherapy	Paramedical staff	Gafer Ibn auf Hospital.	2017/ 2016
Communication skills	Paramedical staff	Gafer Ibn auf Hospital.	2017/ 2016
Epilepsy awareness days	Parents	Gafer Ibn auf Hospital – Epilepsy OPD	2015-2020
Epilepsy – Break the Stigma	Population at AlJayli	Algali out researched clinic	2016
Autistic spectrum -	Parents- meeting	Soba University Hospital-	2015

Autism- Diagnosis and approach	Parent meeting psychologist	doctors Ausratna centre(Charity organization)	2015.
Psychotherapy and communication skills---	Parent meeting psychologist- doctors	Ausratna centre(Charity organization)	2015.
Speech Disorders	Psychologist- physiotherapist – speech and langue therapist	Gafer Ibn Auf Specialized Hospital-	2015
Feeding problems in patients with oromotor dysfunction	Dietician Physiotherapist	Soba University Hospital	10/2015
Feeding problems in patients with oromotor dysfunction- Parents meeting	Physiotherapist	Shashur Home (charity organisation)	2/2014
Feeding problems in cerebral palsy: advice	Parents meeting	Shashur Home (charity organisation)	5/2014
Attention Deficit Hyperactivity Disorders – Practical clinical approach	Psychologist- Senior registrars and paediatricians	Soba University Hospital	5/2014
Autistic spectrum	Parents meeting	Soba University Hospital	7/2014
Autism- Diagnosis and approach	Parent meeting – psychologist- doctors	Ausratna centre(Charity organization)	7/2014
Psychotherapy and communication skills	Parent meeting – psychologist- doctors	Ausratna centre(Charity organization)	8/2014
Speech Disorders	Psychologist- physiotherapist – speech and langue therapist	Soba University Hospital	10/2014

c) Examinations

i) Undergraduate

Status	Course Title	Faculty	University	Date
Examiner	Medicine Final MBBS	Medicine	Ribat National University	2019/2020
Examiner	Medicine Final MBBS	Medicine	Africa International University	2009-2010-2011
Examiner	Medicine Final MBBS	Medicine	Al-Neeleian University	2013-2014-2015- 2017-2019-2020
Examiner	Medicine Final MBBS	Medicine	Alzaem Alazhari-	2012-2013-2014- 2015- 2018-2020
Examiner	Medicine Final MBBS	Medicine	Al- Nile University	2014-2015- 2018
Examiner	Medicine Final MBBS	Medicine	Alahfad University for Women	2012-2013- 2016- 2018
Examiner , organiser of the written and OSPE Exams	Final MBBS	Medicine	Khartoum	2005- to date
Organiser and examiner	5th year final exam paediatrics	Medicine	Khartoum	2012- to date
Organiser and examiner	4th year – infectious course	Medicine	Khartoum	2012-to date
Organiser and	4th year- medical ethics	Medicine	Khartoum	2012 to date

examiner	course			
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ii) Postgraduate

Status	Course Title	Faculty	University	Date
Examiner MRCPCH	MRCPCH	royal college of paediatrics and child health, UK		2018
Head of the examination committee	CMD in pediatrics and child health	Sudan Medical Specialization Board	SMSB	2014 to date
Examiner	Final CMD in paediatric and child health	Paediatrics and Child health	SMBS	2010 to date
Organizer and examiner	Thesis submitted for partial fulfillment of MSc Health professional education	EDC-U of K		2018 to date
Organizer and examiner for master degree Health professional education	MSc Health professional education	EDC-U of K	U of K	2018 to date
Examiner	Thesis submitted for partial fulfilment CMD in paediatrics and child health	Paediatrics and child health	SMSB	2007 to date
Examiner	Thesis submitted for partial fulfilment of MD in Radiology	Radiology	SMSB	2013- to date

iii) Certified Professional trainer:

Status	Course Title	Body	Country	Date
Observer	ACE- Approaching children' tone	BPNA in collaboration with NMD- Newcastle	US	23/3-24-3-2021
Instructor	Paediatric Epilepsy Training Course (PET1)	BPNA	Sudan in collaboration with BPNA	1/2015- to date
Instructor	BLS/ALS	EDC- U of K	Sudan	2010-2016
Instructor	Child development	WHO	Sudan	2018-2020
Clinical instructor	IMCI	Ministry of Health and WHO – Sudan	Sudan	2005-2015
Instructor	IMCI	Ministry of Health and WHO – Sudan	Sudan	2005-2015
Instructor	Management of Severe malnourished children in hospital	Federal Ministry of Health and WHO	Sudan	2005-2016
Instructor	Neonatal resuscitation program	Federal Ministry of Health	Sudan	2005-2010

9) ADMINISTRATIVE & PROFESSIONAL RESPONSIBILITIES & ACTIVITIES at UNIVERSITY of KHARTOUM

I) ADMINISTRATIVE RESPONSIBILITIES

Date	Position
4/2018 to date	Director of the EDC- Faculty of Medicine – U of K
4/2018 to date	Supervisor for master degree in Health Professional Education
2010- to date	Head of the Neurology Unit at Gafer Ibn Auf Specialised Hospital for Children
2016- to date	Head of the examination committee for paediatric council at SMSB
1/2020	Convenor of faculty of Medicine development and reform committee
2021	Member of the committee for Sudanese Doctor competencies - SMC
2016- to date	Member of the professional Advisory Board for updating management protocols for paediatric emergencies (Federal Ministry of Health, Khartoum, Sudan)
2017- to date	Member of the committee of the Specialist registration for paediatric subspecialties, Sudan Medical Council.
2017- to date	Member of the Adverse Events Following Immunizations (AEFI)- related complications committee (Federal Ministry of Health, Vaccination subdivision)
3/ 2019	Member of paediatric Syllabus review and reform- department of paediatrics
2017- date	Head of the registrar training committee Gafer Ibn Auf Specialized Hospital - SMSB
2017- date	Head of the examination committee – Paediatric council- SMSB
2018-2019	Member of the Quality Assurance Committee at University of Khartoum
2018- to 2019	Head of the Quality assurance committee at faculty of medicine- U of K
2020	Head of the committee for approval of Basher Hamad chair for medical and health professional education- Gezira University – EDC at Ministry of Higher Education and Research.
2019	Member of Curriculum Revision and Approval for Sudanese Governmental

	Universities- Ministry of Higher Education and Research.
2020	Member of Approval of higher education degrees (Master/ Diploma) for Sudanese Private University sector - Ministry of Higher Education and Research.
2020	Member of the University Requirement Courses Review Committee- Faculty of Medicine
2018-	Member of task force for child development initiatives – Ministry of Health-
2017-2919	Convenor of Mission and Vision sub- committee - Self-study for accreditation – U of K
2016-2018	Convenor of the examination committee, Sudan Medical Specialization Board.
2006-2010	General secretary at Department of Paediatrics and Child Health
2010-214	Head of the Examination Committee- written part - at Department of Paediatrics and Child Health
2013-2014	Member of the syllabus committee at Department of Paediatrics and Child Health
2012-2014	Course Coordinator -Emergency paediatric course- 4th academic year at Faculty of Medicine
2013-2019	Member of the Research committee at Gafer Ibn Auf Specialized Hospital for Children
2013-2019	Member of the Training committee at Gafer Ibn Auf Specialized Hospital for Children

ii) SERVICE ACTIVITIES

1. As consultant neurologist at Gafer Ibn Auf Specialized Hospital, I run four busy referral clinics as follow:

- Neurological disorders and neuro-disabilities (Sunday from 8.00am-4.00 pm): It is once/ week
- Epilepsy Clinic (Thursday from 8.00am- 12.00PM). It is once/ week
- Epilepsy transitional clinic (Thursday from 8.00pm to 12.00PM). It is once/ month
- Neuromuscular disorders clinic: Sunday from 8.00pm to 12.00PM).

iv) Other activities

Date	Activity
Twice /weeks	-Grand round- inpatient ward at Gafer Ibn Auf Specialized hospital for children
Once/week	Neuroradiology meeting
Twice / week	Consultation to ICU, NICU, other paediatric subspecialty units.
Once/ week	Neurology Unit discharge clinic
Once/week	Residence teaching hours(case presentation/ seminars / tutorial / journal club/data analysis/ Medical records)
Daily	Morning report - at Gafer Ibn Auf Specialized Hospital
Once/ month	Morbidity and mortality meeting at Gafer Ibn Auf Specialized hospital for children
Once/ month	Specialist training at neurology unit

10) MEMBERSHIP**i) LOCAL**

Status	Association/ Society	Town//Country	Date
Member	Sudanese Doctors Union	Sudan	1997
Member	Sudanese paediatrician Association	Sudan	2005
Member	Sudanese Association of neuroscience	Sudan	2010

iii) INTERNATIONAL

Status	Association/ Society	Town/Country	Date
Member	International Parkinson and Movement Disorder Society (MDS)		2021
Member	British paediatrics Neurology Association(BPNA)	United Kingdom	2016

Member	International Childhood Neurology association(ICNA)		2016
Member	FRCPCH (UK)	United Kingdom	2018
Member	Pan Arab paediatric neurology association	Egypt –Cairo	2018

11) ORGANISATION OF PROFESSIONAL TRAINING COURSES

Status	Training course/ Symposium	Country	Date
Organiser and Instructor	Paediatric Epilepsy Course (pet1) First time to be in Africa	Sudan in collaboration with British Paediatric Neurology Association – UK- Soba University Hospital- Saddagat Charity Organization In this course, we manage to train 48 paediatricians - 24 from outside Khartoum state.	2015
Organiser and Instructor	Childhood Behavioural and Communication problems	Saddagat Charity Organisation in collaboration with School of London- UK	2014-2018
Organiser and speaker	Epilepsy work shop(preconference)	Sudan- Sudanese association of Paediatricians	2013
Organiser and speaker	Epilepsy work shop(preconference)	Sudan -Sudanese association of Paediatricians	2011
Organiser and speaker	Epilepsy work shop(preconference)	Sudan -Sudanese association of Paediatricians	2009

12) ORGANIZATION OF SCIENTIFIC CONFERENCES, MEETINGS & SYMPOSIA

Status	Seminar/ meeting/ conference/ Public Lecture	Country	Date
Speaker	Dubai International Paediatric neurology conference Plenary presentation)	Dubai	May 2018
Speaker	Conference of Sudanese paediatric association	Sudan	Feb/2019
Speaker.	International paediatric Neurology conference(Plenary presentation)	Dubai	2018
Speaker	Paediatric Neurology Conference. Eastern Mangroves Hotel, Abu	Abu Dhabi	February 2018.
Speaker	“Free drugs for the under 5” initiative. 7th of September 2018.conerence Workshop	Federal Ministry of Health	2018
Speaker	Conference of Sudanese paediatric association	Sudan	Feb/2017
Organiser/speaker	Neurology day- for registrars and specialist	soba exam center	12/2017.
Organiser/ speaker	Neurology day- for registrars and specialist	soba exam center	1/12 2016.
Organiser and speaker	International Childhood Neurology Association Academic Meeting (ACNA- MEETING) https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4949860/	Sudan First time in Sudan	2015
Speaker and organiser	Conference of Sudanese paediatric association	Sudan	2013
Speaker	Qatar paediatric Neurology Association –first conference	Qatar	2013

Speaker	Conference of the Orphan European society	Qatar	2012
Speaker	Conference of Sudanese paediatric association	Sudan	2011
Speaker/organiser	Conference of Sudanese paediatric association	Sudan	2009
Speaker	Conference of Sudanese neuroscience association	Sudan	2007
Speaker	Conference of Sudanese neuroscience association	Sudan	2005

13) Research and related administration

ii) Postgraduate Supervision (Higher Research Degrees)

1) Clinical MD in paediatrics

Candidate	Thesis Title	Institute	Year
1. Hagat Mona Ahmed	Classification of epilepsy using ILAE 2017 and AEDs adherence	SMSB	2021
2. Neamat Abu Alwafa	Epilepsy and social stigma	SMSB	2021
3. Hager Ibrahim	Clinical profile and management of children with transverse myelitis	SMSB	2021
4. Mohamed Mustafa	Stroke in patients with Down syndrome	SMSB	2019
5. Haram Momen	Pattern of Autistic spectrum disorders in Sudan	SMSB	2109
6. Om Alnsor Mohamed	Pattern of Neurodegenerative disorders among Sudanese children	SMSB	2018
7. Sara Alameen	Quality of life among adolescence patients with epilepsy	SMSB	2018
8. Azza AT Toun	Epidemiology of cerebral palsy – OPD-Khartoum	SMSB	2017

9. Asmahan Tageelser	Screening of Sudanese children with Sick cell anaemia for evidence of Systemic Rheumatic Diseases.	SMSB	2016
10. Hashim Ahmed	Epilepsy in patients with cerebral palsy.	SMSB	2015
11. Sara Mubarak	Focal epilepsy among Sudanese children	SMSB	2015
12. Amin Osman -	Echocardiographic changes in patients with chronic renal failure.	SMSB	2015
13. Mustafa Ahmed.	Role of Levetiracetam in management of intractable seizures among Sudanese children	SMSB	2014
14. Ibrahim Mohamed	Epilepsy in Sudanese children age 2 months to 3 years.	SMSB	2014
15. Al-Waleed Mohamed.	Attention deficit hyperactivity disorders in patients with epilepsy	SMSB	2014
16. Omima Mohamed. SMSB	Neurological disorders among patients with celiac disease.	SMSB	2013
17. Gada AL Rayah- . -	Convulsions among neonates at NICU at Gafer Ibn Auf Specialized Hospital	SMSB	2013
18. Zahia Abbas.	Quality of life among Sudanese children with epilepsy and their families.	SMSB	2011
Co _ Supervisor			
19. Badereldin Mohamed	Causes of uncontrolled epilepsy among Sudanese patients.	SMSB	2014
20. Iman Ahmed.	Feeding problems in patients with cerebral palsy	SMSB	2013

3. Postgraduate Supervision (MSc in Health Professional Education)

b) RESEARCH GRANTS

Proposal Title	Granting Body/country	Amount	Date
Neurodisabilities-causes, classification and management – Sudan project	Individual	20.000£	2019
Bain malformation in Sudanese patients with developmental impairment	Individual	200.000	2018
Classification of childhood epilepsy learning and behavioural disorders among school children in Khartoum State	Ministry of Higher Education	100.000	2015
Epidemiology of childhood epilepsy among school children in Khartoum State	Ministry of Higher Education	20.000	2014
	Khartoum Locality	3.000	2014
	Bahri Locality	10.000	2014

c) GENERATION OF FUNDS

Fund	Body/country	Amount	Date
Rehabilitation of neurology unit – office	Individuals	500.000	2021
Two AC conditioners for neurology ward at Gafer Ibn Auf Specialized Hospital for children	Drug company	1.000.000	2020
Neurology ward – equipment / beds at Gafer Ibn Auf Specialized Hospital for children	Individuals	500.000	2020
Brain images for children	Individual	100.000	2020
Antiepileptic medications	Jeser Alata charity organization	300.000	2019
Wheel chairs for disable children	Jeser Alata charity organization	350.000	2018

Levetiracetam syp (AEDS)	Jeser Alata charity organization	350.000	2018
Wards (pediatric neurology) reform	Individuals	100.000	2017
Antiepileptic drugs	Individuals/ Charity organization	10-50.000 SG/ month	2010- to date
MRI of the brain/ CT brain and other modalities of neuro-images	Sadagat Charity organization	10 MRI images/ month	2014- 2017
Oxygen concentrator	Individuals	40.000 SG	2016
Patients support	Individuals and charity organizations	50.000- 100.000/ month	2010- to date

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Abstract

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Abstract-Poster

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International links and research: With my colleague in pediatrics neurology

1. In collaboration with Victor Patrision a pioneer in teleneurology at UK and visiting professor at University of Khartoum-faculty of Medicine we start a project to Develop an epilepsy application that help distinguish epileptic versus non epileptic events in resource limiting countries
2. In collaboration with department of biochemistry at faculty of medicine and Neuroscience University of Paris 6 we establish the neurogenic project with especial interest in spinocebellar ataxia, epilepsy, autism, and Parkinsonism and Neurodegenerative disorders among Sudanese families.
3. In collaboration with Kruer Lab- Phoenix Children's Hospital- University of Arizona, College of Medicine, Phoenix, AZ we start the genetic cerebral palsy projects.

Ongoing projects:

1. Genetic of cerebral palsy
2. Genetics of epilepsy in a Sudanese cohort: A family-based genetic study
3. Neurodegenerative disorders project
4. Spinocereberal ataxia/ Hereditary spastic paraplegia project
5. Children with Neuro-disabilities project

6. Autism spectrum disorders in Sudanese children

Editor for:

- Khartoum Medical Journal
- Sudan Journal for pediatrician
- Sudan Journal of Medical science

New establishment: -

▪ **Paediatric neurology clinics- Soba University Hospital – 2007**

With my colleague, this clinic was the first paediatric clinic devoted for children with neurological disorders in Sudan. It started at Saad Abo Alellah University hospital and in 2010 relocated at soba hospital. It covers 60-80 patients per week/ clinic. Patients referred from all over Sudan and even from neighbouring countries eg Chad and Eritrea. A lot of fund raised for this clinic and we manage to make all antiepileptic drugs available free now the total number of patients in this clinic exceeded 20.000.

▪ **Paediatric Neurology subspecialty unit at Gafer Ibn Auf Hospital- 2016:**

Established at Gafer Ibn Auf Specialised Hospital for Children- Khartoum in 2010. This unit was the first paediatric neurology unit in Sudan; it covers all variety of neurological disorders with acute neurological problems. It was started as 12 beds ward and now as the admission exceeded the bed capacity we establish a new ward with extra 8 beds and 4 beds as high dependency unit (HDU) In addition we cover patients admitted to Intensive Care Unit (ICU) and consultations form other subspecialty units.

▪ **Outpatient Department for epilepsy and neurology at Gafer Ibn Auf Specialized Outpatient Clinic at Fath Alrhman Elbasher Centre(serve as gafer Ibn Auf OPD) 2017**

This clinic was the first paediatric clinic devoted for children with neurological disorders in Sudan following Soba OPD. It covers 60-80 patients per week/ clinic. Patients referred from all over Sudan and even from neighbouring countries eg Chad and Eritrea. We manage to make all antiepileptic drugs available free now the total number of patients in this clinic exceeded 15.000.

▪ **Psychology clinic/ IQ measurement clinic at Gafer Ibn Auf Specialized Hospital for Children 2018**

This clinic started at 2017 by workshop training for five psychologists on Benet5 IQ measurement Arabic version. We manage to avail three sets Benet5 IQ measurement. The clinic cover 5-7 patient per clinic

- **Epilepsy clinic at Gafer Ibn auf Specialized Hospital for Children 2018**

This clinic established as the number of patients with seizure disorders are growing very fast and exceed the capacity of the general neurology clinic. It conducted as once per week with availability of AEDs free. As well, we managed to have an EEG machine and to recruit junior specialist with special interest in epilepsy to work in this clinic. We manage to have detailed written protocols for management of childhood epilepsy.

- **Transitional clinic for epilepsy – Gafer Ibn Auf Specialized Hospital for Children 2019:**

This clinic established as a lot of our patients are now approaching adolescent and adult age. The referral to adult service is not ease and rather chaotic. In addition these [patients at this age needs are different and need different approach. The clinic is joined with adult neurology (fellowship students) It is once/ month and it cover around 20-25 patients per clinic. Patients have free access to antiepileptic drugs.

- **Pediatric Epilepsy Training Course (PET1) in collaboration with British Paediatric Neurology Association. 2015:**

With my colleague, we manage to have (for the first time in Africa and the region) the Pediatric Epilepsy Training course (PET1) course – British Paediatrics Association – Soba Exam Centre 2015 – 2019. The Sudanese charity Sadagaat, agreed to fund a 5-year programme to run PET courses annually. The course delivered by an experienced faculty with Sudanese heritage now working in the Gulf States, 2 UK faculty members and myself and Ahlam Ahmed Hamed, Members of the ILAE paediatric commission, Jo Wilmshurst and Patrick van Bogaert, who were in Khartoum to speak at the joint Sudan-ICNA conference, observed the course. This reported in the BPNA annual report 2014-2015 and in the Sudanese journal of paediatrician. Now we trained almost 400 pediatric consultant/ specialist with considerable number from outside Khartoum State. PET aimed at pediatricians, medical officers and emergency department professionals. It aims to improve the diagnosis of epileptic and non-epileptic events; improve the standard of care; and raise awareness of when to liaise with a Paediatrics Neurologist, a children's epilepsy expert.

- **Pediatric Epilepsy Training Course (PET2) in collaboration with British Pediatric Neurology Association. 2017:**

With my colleague we manage to have (for the first time in Africa and the region) the Pediatric Epilepsy Training course (PET2) course – British Paediatrics Association – Soba Exam Centre 2017 – 2019

- **Children’ Epilepsy Diagnosing Aid(CEDA) Application.** With collaboration with Dr. Victor Pattrision a visiting professor at university of Khartoum we are able to develop a Children’ Epilepsy Diagnosing Aid(CEDA) Application. The app will be for non-specialist doctors and non-physician healthcare workers to use at PHC level .This tool is likely to be useful in other LMICs where the problems for children with epilepsy are likely to be similar to Sudan. Translation is possible into other languages

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Here is the link to the app in Google drive

<https://drive.google.com/file/d/1GAAtY9B55RyXfgK6RXWRXjwynIf4MpxUk/view?usp=sharing>

MRCPCH Examiner Elect Course 2016

With my colleague at department of pediatrics we manage to host the first MRCPCH Examiner Elect Course and the first MRCPCH Mock Clinical Exam at Soba Education, Training & Examinations Centre (SETEC), Soba University Hospital, on the 27th and 28th of September, 2016.

Preparatory courses for MRCPCH:

With other local faculty we manage to run courses to prepare local candidates on communication skills, history taking, developmental examination, and other needed clinical skills. Started in 2017- 2019.

Out reached clinic:

- Ombaddah locality: Sudanese Cerebral Palsy association among other activities including talk to publics arranges the clinic. The clinic was conducted at Ombada Higher School for Girls, total number of patients seen is 182 the majority had neurodisabilities and / or epilepsy, 45% of the patients never seek medical advice. Follow up visit arranged at Fath Elrahman Elbasheer OPD. Investigations and treatment provided. (2018).

- Al-Gaili Area: Sudanese Cerebral Palsy association arranges the clinic. The clinic was conducted at Algili hospital, total number of patients seen is 100 the majority had neurodisabilities, down syndrome and epilepsy, 20% of the patients never seek medical advice. Follow up visit arranged at Fath Elrahman Elbasheer OPD. Investigations and treatment provided. (2018).
- Jabal Awlia locality: The clinic arranged by Nafeer charity organization. The clinic was conducted at Gabal Awlia hospital, total number of patients seen is 500 the majority had neurodisabilities and epilepsy, 15% of the patients never seek medical advice. Follow up visit arranged at Fath Elrahman Elbasheer OPD. Investigations and treatment provided. (2017)
- Al-Samrab area: The clinic was arranged by ToGether charity organization. The clinic was conducted at Al-Samrab Youth, total number of patients seen is 150 the majority had neurodisabilities, autism spectrum disorders and epilepsy, 58% of the patients never seek medical advice. Follow up visit arranged at Fath Elrahman Elbasheer OPD. Investigations and treatment provided. (2017)
- Organization of fun days (entertainment) for inpatient children at Gafer Ibn Auf Specialized Hospital during EID times.
- With my colleague and leadership at ministry of health, we lead an Advocacy towards free antiepileptic drugs, and we manage to make AEDs available for children with epilepsy all over Sudan and for all ages free.

Health awareness interactive sessions- public:

- Epilepsy- break the stigma – talk to public – Ombada Locality - Sudanese Cerebral Palsy Association 2019
- Epilepsy – Parents role and awareness – talk to public - Al-Gali out researched clinic - Sudanese Cerebral Palsy Association 2016
- First Aids and epilepsy – school teachers – Gabal Awlia - Nafeer charity organization 2016.
- Raising public awareness through TV/radio programs concerning children with epilepsy and neurodisabilities.

Network support with parents of children with epilepsy and neurodisabilities

Some of our patients, especially those in States other than Khartoum, frequently get shortage of medications due to either unavailability or unaffordability and other medical concerns that need urgent help. That is why we thought of using WhatsApp to communicate with caregivers of children with neurodisabilities and epilepsy and to communicate with their local doctors as well which will decrease unnecessary travel to Khartoum in the context of difficult and costly transportation.

During Covid 19 we manage to run the neurology consultation and epilepsy clinic using telephone calls, telegram and WhatsApp, which had great impacts on patient's health especially during this difficult time taking into consideration the financial issues.

Contribution to medical education

- I have been among the first Batch enrolled in the Master degree in health professional education at EDC- faculty of medicine – University of Khartoum. I have been among the first facilitators group contributing to the teaching of Batch 2 in medical education
- As a director of the EDC, we have graduated almost 90 graduates in medical education, of whom almost half of them are belonging to the medical campus – university of Khartoum. This group of graduates has a very strong effect on the quality of medical education in their faculties.
- I am supervising the program of master degree of health professional. The program involved candidates from other governmental and private universities eg Islamic University, Karary University, National Ribat University, International African University and Ahfad for Women University plus others. This had led to excellence in service delivered to the community by graduating competent health personnel who are well taught and trained to cope with the expanding numbers of teaching institutes in medicine and health sciences.

The graduates of this master made the nidus for professionalism courses and curriculum development and reform committees at SMSB, Student support unit at faculty of medicine, establishment of educational development centers for other universities.

- We establish strong relationship with regional and international bodies such as the Medical Education unit at Dundee University in UK and Association of Medical Education in Europe (AMEE). They offer our candidates 50% discount when they apply to master programs in Dundee. They offer online video conferences and keynote lectures for our master students.
- In collaboration with Soba university hospital we manage to train up to now 100 nurse in patient critical care – each course is 6 months duration and we manage to do this course free. This had its effect on quality of care at the level of Emergency room, ICU and HDU and hence improving the overall health.
- We conducted a number of basic life support courses and first AIDs to non - medical personnel eg workers in petroleum companies and traffic police officers. Some of these courses are conducted in remote areas eg Hijlij. This training has its impact on doing lifesaving procedure while awaiting medical help, which will result in good outcome and saving life.
- In collaboration with medical students union, we establish mentorship program aiming to promote healthy learning environment, sharing experience, skills, knowledge, and foster culture for development. In addition to graduate students who are academically excellent, self-developed, goal directed and career oriented.
- I organize and facilitate a number of workshops targeting medical students and junior doctors eg Career Pathway, time management and dealing with stress.
- I organized, and facilitate number of courses and workshops targeting staff continuous development.
- I appointed as co- supervisor from Department of Medical Education, University of Dundee.

During Covid 19 lock down

- We establish strong relations with our Sudanese colleague who have excellent experience in medical education in the Gulf, UK, USA to facilitate webinars addressing different issues in medical education and this was extremely helpful.
- During Covid 19 lock down and in accordance with university of Khartoum advocacy towards e- learning, we trained teaching staff at faculty of medicine on e- learning and learning management system (LMS) through MOODLE using ZOOM. We trained teaching staff from other universities as well. Our local team visited number of universities to facilitate training of teaching staff on MOODLE.
- We establish our own MOODLE (new version) for the EDC- faculty of medicine that can accommodate large number of participants.
- We are preparing a manual for student guide on how to use the learning management system effectively. In addition to adding short videos to students for more elaboration.
- We conducted a very successful workshops on research methodology and citation managers/ educational and research technology.