

Personal Profile:

- **Dr. Amin Sharafeldin Ibrahim Banaga** • **Date of Birth:** (31/05/1979) • **Nationality:** Sudanese
- **Marital Status:** Married with two children
- **Address:** Qinwan Company. Mohamed Nageeb St. P.O. Box 2256. Khartoum 11111. Sudan
- **More than 20 years' experience** as Clinician in Medicine
- **More than 10 years as head of an Internal Medicine Unit**
 - **More than eleven years experience** as University Teacher and Administrator.
 - **Currently working as Associate Professor and Consultant of internal medicine in Department of Medicine, National University , Alraqi University Hospital, Khartoum, Sudan.**
 - **Tel:** +249912217072.
 - **E-mail:** amin.banaga@gmail.com



Education:

- **MD in Internal Medicine** Sudanese Medical Specialization Board (Jan/2011)
- **Master degree in medical sciences (MMedSci)** University of Sheffield, Faculty of Medicine , United Kingdom (2006)
- **MBBS. Bachelor of Medicine & Surgery** University of Medical Sciences & Technology Khartoum – Sudan (2002)

Registration:

- Certificate of Consultant Registration in Sudan Medical Council (Internal medicine) **Registration No: 343**
- Certificate of Consultant registration in Saudi Commission of health specialist in Internal medicine **Profile No: 19123373**

Clinical Experience:

Consultant in Internal Medicine at Alraqi University Hospital, Khartoum/Sudan 01/2020 – Present

- Caring and Direct medical management of patient in Department of Internal Medicine.
- Run and direct an Internal medicine unit that covering the emergency department (once/wk) with variable number of in-patient admissions of average 10-15 patients at any given time.
- Run and direct an out-patient clinic of Internal Medicine (twice/wk) with an average of 25-30 patients' visits per week which I involved directly in their medical management.
- Directly involved in Teaching & Training of House-officers and Medical registrars in addition to the organization of several workshops and symposiums on (ECG, Chest X ray, Renal Emergencies, etc)
- Area of expertise (General Internal Medicine, Management of End Stage Renal Disease Patients, Management of Diabetes & Hypertension, Treatment of Haemodialysis complications, Management of Tropical Diseases, Medical problems with pregnancy)
- Covering the Internal medicine consultations at the ICU
- covering the Medical Consultations and Liaise with the Obstetrics and Gynaecology, Urology, Orthopaedics and the General Surgery Teams in Caring & Treatment for cases with medical complications
- beside my work as an internal medicine physician, I have responsibilities in caring and direct medical management of renal patients

Consultant in Internal Medicine at Academy teaching Hospital Khartoum/Sudan 03/2018 – 12/2019

- Caring and Direct medical management of patient in Department of Internal Medicine.
- Run and direct an Internal medicine unit that covering the emergency department (once/wk) with variable number of in-patient admissions of average 10-15 patients at any given time.
- Run and direct an out-patient clinic of Internal Medicine (twice/wk) with an average of 25-30 patients' visits per week which I involved directly in their medical management.
- Directly involved in Teaching & Training of House-officers and Medical registrars in addition to the organization of several workshops and symposiums on (ECG, Chest X ray, Renal Emergencies, etc)

- Area of expertise (General Internal Medicine, Management of End Stage Renal Disease Patients, Management of Diabetes & Hypertension, Treatment of Haemodialysis complications, Management of Tropical Diseases, Medical problems with pregnancy)
- Covering the Internal medicine consultations at the ICU
- covering the Medical Consultations and Liaise with the Obstetrics and Gynaecology, Urology, Orthopaedics and the General Surgery Teams in Caring & Treatment for cases with medical complications
- beside my work as an internal medicine physician, I have responsibilities in caring and direct medical management of renal patients at academy teaching hospital, I Run and direct the Renal & haemodialysis unit (15 haemodialysis machines, 4 dialysis shifts, 180 patients), I am directly involve in Caring & Treatment of haemodialysis'

Senior Specialist in Internal Medicine at Academy teaching Hospital Khartoum/Sudan 01/2011 – 03/2018

- Run and direct a general medicine unit (6 house officers & 4 registrars) that covering the emergency department (once/wk) with variable number of in-patient admissions of average 6-10 patient at any given time.
- Run and direct an out-patient clinic of General Medicine (twice/wk) with an average of 25-30 patients' visits per week which I involved directly in their medical management.
- Directly involved in Teaching & Training of House-officers and Medical registrars in addition to the organization of several workshops and symposiums on (ECG, Chest X ray, Renal Emergencies, etc)
- Caring and direct medical management of renal patients.
- Run and direct the Renal & haemodialysis unit (15 haemodialysis machines, 4 dialysis shifts, 180 patients), I am directly involve as specialist and the head of the unit in Caring & Treatment of haemodialysis' patients.
- Run and direct an out-patient renal clinic (once/wk) with an average of 20-25 patients' visits per week which I involved directly in their medical management.
- Area of expertise (General Internal Medicine, Management of End Stage Renal Disease Patients, Management of Diabetes & Hypertension, Treatment of Haemodialysis complications, Management of Tropical Diseases, Medical problems with pregnancy)

Specialist Registrar in Internal Medicine 12/2006- 12/2010

- Involved in Caring and Management of in/out patients as a part of medical Team headed by consultant physician
- I have awarded and MD degree after I passed the final exam of the Sudanese medical specialization board on 12/2010. I worked as Specialist Registrar in many Teaching Hospitals in Khartoum State (Soba University Hospital, Ibrahim Malik Hospital, Academy Teaching Hospital, Ahmed Gassim Hospital, Elshaab Teaching Hospital, Khartoum Teaching Hospital and Alban Jaded Teaching hospital). Training program included Shifts in General Medicine, Gastroenterology, Nephrology, Neurology, and Respiratory Medicine, Cardiology, Radiology, Dermatology, Oncology and Rheumatology.
- Assessment and Management of various medical conditions under the supervision of the consultant in charge
- Teaching House officers and medical officers

Postgraduate Student in master of clinical sciences (MMedSci) 09/2005-09/2006

- I was a Postgraduate Master Student in medical sciences at University of Sheffield, United Kingdom. As a part of our study I attended and observed the management of medical in-patient, in addition to attending of the outpatient department at the Northern General Hospital, Sheffield, United Kingdom. The Taught Master course in Nephrology contain 10 modules; for each Module there is final assessment in form of written exam and practical work (assignment or oral exam) the final exam consist of Oral, Written and Clinical Exam. To be eligible to continue in the master and doing the final dissertation the student should pass all modules exams including the final general nephrology written and clinical exam. After successful result. I did my thesis in The Impact of Socio-economic Status on Presentation and Progression of Chronic Kidney Diseases. And I have awarded the MMedSci.

Senior House-Officer in Medicine 08/2004 – 09/2005

- Assessment and Management of patients' emergency medical conditions under the supervision of emergency consultant in charge
- Patient care, emergency admission and pre clerking patients.

Medical Coordinator at National Service 03/2004 - 08/ 2004

- It is an administrative position which directly involved on the distribution and allocation of medical staff to the areas of need in Sudan.

- Review the Medical Conditions and Fitness of Medical Staff working in areas of need in Sudan

House officer at Khartoum Hospitals 11/2002 – 03/2004

House officer (Obstetrics & Gynaecology)

Academy Charity Teaching Hospital

01/2004 – 03/2004

- Assessment and management of patients' conditions under the supervision of the consultant in charge in the out patients.
- Attending the antenatal care.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Attending and preparing the theatre operations with post-operative management
- Attending and conducting deliveries.
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, morbidity and mortality meeting

House officer (Orthopaedics) Khartoum North

Hospital 11/ 2003 – 01/2004

- Assessment and management of orthopaedics conditions under the supervision of the consultant in charge in the out patients.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, morbidity and mortality meeting.

House officer (Medicine) Academy Charity Teaching

Hospital 08/2003 – 11/2003

- Assessment and management of patients' conditions under the supervision of the consultant in charge in the out patients.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, morbidity and mortality meeting. *House officer (Surgery)*

Khartoum North Hospital

05/2003- 08/2003

- Assessment and management of patients' surgical conditions under the supervision of the surgical consultant in charge in the out patients.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Attending and preparing the theatre operations with post-operative management
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, morbidity and mortality meeting.

House officer (Obstetrics & Gynaecology) Academy Charity Teaching Hospital 02/2003 – 05/2003

- Assessment and management of patients' obstetrics conditions under the supervision of the consultant in charge in the out patients.
- Attending the antenatal care.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Attending and preparing the theatre operations with post-operative management
- Attending and conducting deliveries.
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, morbidity and mortality meeting

House officer (Paediatrics) Khartoum Teaching Hospital 11/2002 – 02/ 2003

- Assessment and management of child condition under the supervision of the consultant in charge in the out patients.
- Patient care, emergency admission and pre clerking patients.
- Daily ward rounds led by Specialist registrars and also consultant ward rounds.
- Attending and follow up of neonates and nutrition ward.
- Teaching Ward Rounds as well as weekly academic meetings. Includes formal lecture teaching, discussion sessions, and mortality meeting.

Teaching Experience:

Associate Professor in Medicine at National University, Khartoum/Sudan 01/2020 - Present

- Being a member of the Faculty Teaching Committee.
- Reporting to the Dean of Faculty.

- Regular Teaching Sessions (once/week) of specialised Module for Renal Diseases and Internal Medicine for medical Students
- Regular Teaching Clinical Rounds in Internal Medicine (twice/week) of Final & Pre-Final Medical Students
- Preparation of Grade assignments, quizzes, and tests, e.g. multiple choice tests.
- Attending and Participating in Medical Department and Academic Senate Meetings.
- Preparing and conducting the Clinical Examination Assessment for medical students
- Evaluate student achievements and Monitor student progress

Associate Professor in Medicine at University of Medical sciences and Technology, Khartoum/Sudan 01/ 2017– 12/2019

- Being a member of the Faculty Teaching Committee.
- Reporting to the Dean of Faculty.
- Regular Teaching Sessions (once/week) of specialized Module for Introduction to Clinical Medicine (Year 2 Medical students)
- Regular Teaching Sessions (once/week) of specialized Module for Renal Diseases and Internal Medicine (Year 3, 4 & 5 Medical students)
- Regular Teaching Clinical Rounds in Internal Medicine (twice/week) of Final & Pre-Final Medical Students (4 & 5 Medical students)
- Regular Teaching Clinical Rounds in Internal Medicine (once/week) for Preparatory Medical Students (Year 3 Medical students)
- Regular Teaching Sessions (once/ week) of specialized module in general medicine for Dental and Nursing Students (Year 2 Dental & Nursing students)
- Regular Teaching Sessions (once/ week) of specialized module in general medicine for Post graduates (MSc Family Medicine & MSc Clinical Pharmacy)
- Preparation of Grade assignments, quizzes, and tests, e.g. multiple choice tests.
- Attending and Participating in Medical Department and Academic Senate Meetings.
- Preparing and conducting the Clinical Examination Assessment for medical students
- Evaluate student achievements and Monitor student progress

Assistant Professor in Medicine at University of Medical sciences and Technology, Khartoum/Sudan 01/ 2011–12/2016

- Being a member of the Faculty Teaching Committee.
- Reporting to the Dean of Faculty.
- Regular Teaching Sessions (once/week) of specialised Module for Introduction to Clinical Medicine (Year 2 Medical students)

- Regular Teaching Sessions (once/week) of specialised Module for Renal Diseases and Internal Medicine (Year 3, 4 & 5 Medical students)
- Regular Teaching Clinical Rounds in Internal Medicine (twice/week) of Final & Pre-Final Medical Students (4 & 5 Medical students)
- Regular Teaching Clinical Rounds in Internal Medicine (once/week) for Preparatory Medical Students (Year 3 Medical students)
- Regular Teaching Sessions (once/ week) of specialized module in general medicine for Dental and Nursing Students (Year 2 Dental & Nursing students)
- Regular Teaching Sessions (once/ week) of specialized module in general medicine for Post graduates (MSc Family Medicine & MSc Clinical Pharmacy)
- Preparation of Grade assignments, quizzes, and tests, e.g. multiple choice tests.
- Attending and Participating in Medical Department and Academic Senate Meetings.
- Preparing and conducting the Clinical Examination Assessment for medical students
- Evaluate student achievements and Monitor student progress

**Lecturer in Medicine at University of Medical sciences and Technology, Khartoum/Sudan
11/2007 – 01/2011**

- Covering and Teaching college students (Medical, Nursing Students) the basics of History taking and Clinical Examination.
- Organization and Supervision of Medical Students Nights Shift in University Hospital (each student should perform & master an essential clinical skills undersupervision in hospital; eg; insertion of cannula,, insertion of NG tube, Insertion of urinary catheter, pleural tap, ascetic tap)
- Teaching the General Medicine Module for Dental students (one lecture/week and 2 clinical rounds/week)
- Involve in teaching of Undergraduate Medical student, mainly in the introductory clinical course(basic of history taking and clinical examination, Ethics, Communication Skills, Working in Hospitals, etc)
- Teaching Medical students the main clinical procedures in the University Skills Lab

**Teaching Assistant in Medicine at University of Medical sciences and Technology,
Khartoum/Sudan 03/2007 -11/ 2007**

- Involve in teaching of Undergraduate Medical student, mainly in the introductory clinical course(basic of history taking and clinical examination, Ethics, Communication Skills, Working in Hospitals, etc)

- Teaching Medical students the main clinical procedures in the University Skills Lab

Administrative Experience:

Head of Department of Internal Medicine at National University, Khartoum/Sudan 01/2020-Present

- Monitor the training and development of Medical Staff.
- Ensure compliance with policies and regulatory requirements.
- Liaise with other clinical departments to ensure the Department objectives are implemented.
- Maintain a consistent level of quality of care offered to patients
- Following the distribution of house officers, medical officers and medical registrars
- Actively participating in development of standards and implementation of quality control and evaluation system related to teaching of clinical medicine
- Providing clinical course specific advice to students and organize periodic meetings with the class representatives for the course to obtain student feedback
- Overseeing administration of student progress.
- Develop a meaningful and connected topic sequence and schedule in consultation with other doctors involved in the clinical course.
- Provide students with clinical course syllabus that includes broad course objectives, course schedule, grading policy, expectations of academic integrity, policy for missed exams, etc. • Organize and hold meetings of the course instructors to discuss issues affecting student learning, testing and other issues,
- Evaluate student achievement, Monitor student progress.
- Preparing annual course reports as required by Academic Senate

Deputy Head of Department of Internal Medicine at University of Medical Sciences and Technology, Khartoum/Sudan 01/2011- 09/2019

- Monitor the training and development of Medical Staff.
- Ensure compliance with policies and regulatory requirements.
- Liaise with other clinical departments to ensure the Department objectives are implemented.
- Maintain a consistent level of quality of care offered to patients

- Following the distribution of house officers, medical officers and medical registrars
- Being a member of the Faculty Teaching and Learning Committee.
- Being a member of the Faculty Curriculum Committee.
- Actively participating in development of standards and implementation of quality control and evaluation system related to teaching of clinical medicine
- Providing clinical course specific advice to students and organize periodic meetings with the class representatives for the course to obtain student feedback
- Overseeing administration of student progress.
- Develop a meaningful and connected topic sequence and schedule in consultation with other doctors involved in the clinical course.
- Provide students with clinical course syllabus that includes broad course objectives, course schedule, grading policy, expectations of academic integrity, policy for missed exams, etc.
- Organize and hold meetings of the course instructors to discuss issues affecting student learning, testing and other issues,
- Evaluate student achievement, Monitor student progress.
- Preparing annual course reports as required by Academic Senate

Dean School of Nursing Technology at University of Medical Sciences and Technology, Khartoum/Sudan 03/2015- 03/2018

- Monitor the teaching, training and development of Nursing Students.
- Ensure compliance with policies and regulatory requirements by UMST.
- Liaise with other clinical departments to ensure the School objectives are implemented.
- Maintain a consistent level of quality
- Evaluate the Nursing students and ensure they receive the curriculum fully
- Following the faculty staff and ensure the continuous development of the staff
- Ensure and optimize the implementation of practical clinical nursing at hospital with coordination of medical departments
- Attend the senate meeting

Medical Community Participation

The 4th UMST international conference of Diabetes

I was the head of the steering committee of the fourth annual international scientific conference organized under the theme *“Diabetes: Sharing Ideas”* which was held in Khartoum, Sudan, from the 1st – 4th of February 2008 at the Friendship Hall. It was organized by the University of Medical Sciences & Technology (UMST) in collaboration with the Arab Association for the Study of Diabetes & Metabolism (AASD, Egypt), the Sudan Diabetes Association (SDA) and was attended by representatives of the University of New South Wales (UNSW, Australia) and the United Nations – International Institute of Global Health (UNU-IIGH, Malaysia).

The 5th UMST international conference of Rheumatology:

I was the head of the steering committee of the fifth international scientific conference of rheumatology which held in Khartoum, Sudan from 10 – 11 January 2009 under the theme *“Rheumatology from pain to performance”*. The conference was under the auspices of the Federal Ministry of Health and hosted by the University of Medical Sciences & Technology.

Sudanese Medical Specialization Board:

I am an accredited trainer for specialist registrars in general medicine and nephrology by the Sudanese medical specialization board

UMST Graduates Union:

I was one of the founders of the UMST graduates union in 2006, at that time I was elected as vice president of the union and then I became an elected president in 2011. In 2011 I established an official office of the union and headed the UMST graduates union constitution committee, I also organized and directed five graduates reunions held at UMST, in addition to that we achieved to secure a medical and dental insurance program for the graduates. I directed and organized five charitable medical campaigns to the rural areas in Sudan as part of community engagement program of UMST graduates union. I also headed many of workshops and seminar discussing the student life and activities as a president of the union

Research Projects & Publications

- 1- Risk factors of post renal transplant anaemia among Sudanese patients, a study in three renal transplant centres, **Amin SI Banaga**, Mohamed EA Yousif, Khalifa Elmusharaf, BMC Nephrol. 2011 Aug 9;12:37.
- 2- Why Did Sudanese End Stage Renal Failure Patients Refuse Renal Transplantation? **Amin SI. Banaga**, Elaf B. Mohammed, Rania M. Siddig, Diana E Salama, Sara Elbashir, Mohamed O Khojali, Rasha A. babiker, Khalifa Elmusharaf, Mamoun M homeida, OJNeph Vol .5 No.2, June 2015.
- 3- Causes of end stage renal failure among haemodialysis patients in Khartoum State/Sudan. **Banaga AS**, Mohammed EB, Siddig RM, Salama DE, ELbashir SB, Khojali MO, Babiker RA, ELMusharaf K, Homeida MM. BMC Res Notes. 2015 Sep 29;8:502.
- 4- Prevalence and Presentation of tuberculosis among hemodialysis patients in Khartoum, Sudan. **Banaga AS**, Siddiq NH, Alsayed RT, Babiker R, Elmusharaf K. Saudi J Kidney Dis Transpl. 2016 Sep-Oct; 27(5): 992-996
- 5- Renal manifestations among adult sickle cell disease patient, a single center study, Khartoum/Sudan. **Amin SI Banaga**, Hala Elhardlu, Khalifa Elmusharaf, OJNeph, Vol 6. No.4, December 2016
- 6- Metabolic effect of Gum Arabic (Acacia Senegal) in patients with Type 2 Diabetes Mellitus (T2DM): Randomized, placebo controlled double blind trial. Rasha Babiker, Khalifa Elmusharaf, Michael B Khoegh, **Amin SI Banaga**, Amal M Saeed. Functional Foods in Health and Disease 2017; 7(3): 219-23
- 7- Failure of response to erythropoietin in end stage renal disease patients undergoing haemodialysis. Zenira E Elbashir, Islam SA ahmed, Ahmed Edriss, Khaifa Elmusharaf, **Amin S Banaga**. Sudan Med J 2018 April ; 54(1) 1-7

Conference Presentation:

1- Sickle Cell Nephropathy, **Amin SI Banaga**, Egyptian Society of Nephrology & Transplantation Conference. Cairo/Egypt. Mar 2018

2- 2- Causes of End Stage Renal failure and Haemodialysis Services in Sudan, **Amin SI Banaga**, 1st international dialysis conference, Khartoum Sudan Dec, 2015

1- Urate Nephropathy, **Amin SI Banaga**, UMST internal medical conference in Rheumatology, Khartoum/ Sudan. jan 2009.

Supervised Researches:

- The effect of chronic use of NSAID on the progression to Chronic Kidney Disease, Amna Elrashid, Amin SI Banaga (2008)
- The role of Adequacy of dialysis and provision of supplemental treatment on the health related Quality of Life of haemodialysis patients in Sudan. Hiba Eltayeb, Amin SI Banaga (2008)
- The Effect of Hyperglycaemic control on development of end stage renal disease among diabetic patients in four dialysis centers in Khartoum State, Sudan. Maysa Abdel Hafez, Amin SI Banaga (2008)
- The assessment of Quality of Life Among Sudanese patients with renal transplant comparing the pre with the post transplant in Dr Salma Sulaiman renal dialysis and transplantation centre, Khartoum, Sudan, Batool tadros, Amin SI Banaga (2008)
- Management of Anaemia among Patients with chronic kidney disease undergoing haemodialysis Where Do We Stand? , Wafa Elbashir, Amin SI Banaga (2010)
- Management of renal osteodystrophy among Patients with chronic kidney disease undergoing haemodialysis, Wala Elsammani, Amin SI Banaga (2010)
- Cardiorenal syndrome, study of the cardiac effect on patient with renal disease, Lam Asad, Amin SI Banaga (2011)
- Management of Hypertension in patients with chronic kidney disease, Do we meet the KDOQI guidelines, Yasmine Mohammed, Amin SI Banaga (2011)
- Anaemia and quality of life among haemodialysis patients, Safiya Mohammed, Amin SI Banaga (2014)
- Knowledge and attitude of medical staff toward proteinuria at academy charity teaching hospital. Khartoum. Sudan, Sara Mohammed, Amin SI Banaga (2014)
- Direct Financial Burden on haemodialysis patient at Khartoum, Sudan, Maad Ahmed, Amin SI Banaga (2015)
- Failure of Erythropoietin on haemodialysis patient, Khartoum, Sudan, Zanira Elbashir, Amin SI Banaga (2016)

- Management of Hyperphosphatemia on haemodialysis patients, Sama Ahmed, Amin SI Banaga (2016)
- Factors affecting Haemodialysis Adequacy, Rozy Hassan, Amin SI Banaga (2016)

References:

1- Dr. Hisham Hassan Consultant

Physician and Nephrologist

Department of Nephrology Royal Care

Hospital Khartoum/ Sudan E: mail

hhabdelwahab@gmail.com

2- Dr. Khalifa Elmusharaf Senior Lecturer in

Public Health Graduate Entry Medical School

University of Limerick Limerick Ireland

Email:

Khalifa.elmusharaf@ul.ie