

## **Personal Details**

**Name** Ahmed Hassan Fahal

**Place of Birth:** Khartoum – Sudan

**Marital Status:** Married with four children

**Nationality:** Sudanese

**Address:** Department of Surgery  
Faculty of Medicine  
University of Khartoum  
P.O. Box 102  
Khartoum – Sudan  
E. Mail: [ahfahal@hotmail.com](mailto:ahfahal@hotmail.com)  
[ahfahal@uofk.edu](mailto:ahfahal@uofk.edu)

**Present Position:** Professor of Surgery  
Department of Surgery  
University of Khartoum  
Consultant Surgeon  
Soba University Hospital

**Additionally:** Director  
The Mycetoma Research Centre  
University of Khartoum  
[www.ahmedfahal.net](http://www.ahmedfahal.net)

**Qualifications:**

**MBBS** Khartoum, 1979, Distinction  
**MS** Khartoum, 1984, Distinction  
**MD** Khartoum, 1996, Distinction  
**FRCSI** Dublin- Ireland

**FRCP** London, UK

**FRCS** London, UK

**FRCS** London, UK

**FRCS(G)** Glasgow, UK

**Sudan Medical Council:** Full Registration SNo. 2998  
Consultants Registry No. 330

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**Khartoum – Sudan**

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**Qualifications:**

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**MS**

**Khartoum, 1984, Distinction**

**MD**

**Khartoum, 1996, Distinction**

<b>FRCSI</b>	<b>Dublin- Ireland</b>
<b>FRCP</b>	<b>London, UK</b>
<b>FRCS</b>	<b>London, UK</b>
<b>FRCS</b>	<b>London, UK</b>
<b>FRCS(G)</b>	<b>Glasgow, UK</b>
<b>Sudan Medical Council:</b>	<b>Full Registration SNo. 2998</b>
	<b>Consultants Registry No. 330</b>

## **Clinical & Academic Appointments & Professional Experience**

- Sept 1980Sept 1979

### *House Officer*

Soba University & Khartoum-Teaching Hospital

- Sept 1981Sept 1980

### *Senior House Officer*

General and Plastic Surgery - Soba University Hospital

- Sept 1986Sept 1984

### *Rotating Registrar in Training*

Khartoum Teaching Hospital - Soba University - Hospital Shaab Teaching Hospital

- Mar 1988Sept 1986

### *Rotating Registrar in Training*

The Middlesex & University - College Hospitals -United Kingdom – London

- PresentJuly 1988

### *Consultant Surgeon*

Soba University, Khartoum - Teaching Hospitals

## **Academic Appointments**

- Date 1981 - 1984

Teaching Assistant

University of Khartoum

- Date 1984 - 1990

Assistant Professor

University of Khartoum

- Date 1990 - 1997

Associate Professor

University of Khartoum

- Date 1997 - Present

Professor of Surgery

University of Khartoum

## **Specialised Training**

- Gastrointestinal Diagnostic & Therapeutic Endoscopy
- Doppler Vascular Assessment
- Percutaneous Ultrasound-Guided Biopsy & Fluid Aspiration

## **Field of Work**

- Mainly General Surgery with special interest in Gastrointestinal, Tropical and Endocrine Surgery

## **Special Interests**

- Medical Education, WHO Consultant
- Quality and Excellence in Higher Education

## **Professional Courses & Workshops Attended**

- 1985  
  
Postgraduate Course in Traumatology,  
  
Lund University, Lund, Sweden.
- 1985  
  
Computer Sciences Course, Computer Man College
- 1987  
  
Anastomosis Workshop, The Royal College of Surgeons of England
- 1987  
  
Intensive Course in General Surgery, The Royal College of Surgeons of England,
- 1992  
  
• Liver Diseases Update Africa Course, The African Association for the Study of Liver Diseases,
- 1994  
  
Laparoscopic Surgery Course, The World Congress of Gastroenterology,
- 1994

- Visiting Physician, University of Southern California,
- 1997  
Laparoscopic Surgery Course, Leeds University,
  - 1999  
Disaster Medicine Workshop, Pan African Association of Surgeons,
  - 2000  
Advanced Therapeutic Endoscopy, Theor Bihar Research Institute,
  - 2002  
Post-graduate Endoscopy Course, World Congress of Gastroenterology,
  - 2002  
Advanced Trauma Live Support (ATLS) Course,
  - 2004  
Bruli Ulcer Advocacy Workshop, WHO,
  - 2004  
Post-Conflict Health Service Reform in the Sudan, WHO,
  - 2004  
Global Academy of Tropical Surgery Constitutional Meeting, EMRO-WHO,
  - 2006  
Total Quality Management Workshop,
  - 2008  
Self-assessment and Quality in higher Education, Arab Universities Union,

## **Courses & Workshops Attended In Medical Education**

- Objective Structured Clinical Examination (OSCE) Course, Educational Development Centre, University of Khartoum in collaboration with Centre for Medical Educational, University of Dundee, 1988, Khartoum, Sudan.
- Undergraduate Surgical Teaching & Evaluation Workshop, Educational Development Centre, University of Khartoum, 1989, Khartoum, Sudan.
- Goals, Priorities & Plan of Action. Educational Development Centre, University of Khartoum, 1996, Khartoum, Sudan.
- Students Assessment & Evaluation Course, Ahfad University, 1996, Omdurman, Sudan.
- Recent Changes in Medical Education, Educational Development Centre, University of Khartoum, 1996, Khartoum, Sudan.
- Problem Based Learning Workshop, Educational Development Centre, University of Gezeria, in collaboration with Centre for Medical Educational, University of Dundee, 1996, Madani, Sudan.
- Problem Based Learning, Summer Course, University of Maastricht, 1999, Maastricht, The Netherlands.
- Expanding Horizons in Problem Based Learning, Summer Course, University of Maastricht, 1999, Maastricht, The Netherlands.
- Teaching & Learning Workshop Course, Association for Medical Education in Europe, Annual Meeting, 2002, Lisbon, Portugal.



- Celebration of the OSCE Workshop, Association for Medical Education in Europe, Annual Meeting, 2002, Lisbon, Portugal.
- Certificate in Health Professions Education, Sultan Qaboos University, 2002, Muscat, Sultanate of Oman.
- The Third GCC Conference of Medical Faculties of Medicine on Medical Education, 2002, Muscat, Sultanate of Oman.
- Health Research Ethics in Africa, AMANET, 2003, Khartoum, Sudan.
- Workshop on Specific Operational Procedures of Ethics Committee, AMANET, 2003, Entebbe, Uganda.
- Workshop on Study Guides, Association for Medical Education in Europe, Annual Meeting, 2003, Bern, Switzerland.
- Workshop on Electronic Learning, Association for Medical Education in Europe, Annual Meeting, 2003, Bern, Switzerland.
- Workshop on E. Learning, Association for Medical Education in Europe, Annual Meeting, 2004, Edinburgh, UK.
- Workshop on Evidence Based Medicine, Association for Medical Education in Europe, Annual Meeting, 2004, Edinburgh, UK.
- Workshop on Staff Development, Association for the Study of Medical Education, 2004, Liverpool, UK.

- Workshop on Evidence Based Medicine, Educational Development Centre, Khartoum, 2005, Khartoum, Sudan.
- Workshop on Effective Teaching, Association for Medical Education in Europe, Annual Meeting, 2005, Amsterdam, The Netherlands. .
- Workshop on SMILE, Association for Medical Education in Europe, Annual Meeting, 2006, Genoa, Italy.
- Workshop on Medical Professionalism, Association for Medical Education in Europe, Annual Meeting, 2007, Trondheim, Norway.
- Workshop on Telemedicine and E-Health, Association for Medical Education in Europe, Annual Meeting, 2007, Trondheim, Norway.
- Workshop on Medical Professionalism: an exploration of international similarities and differences in teaching and learning about professionalism, Association for Medical Education in Europe, Annual Meeting, 2007, Trondheim, Norway.
- Workshop on Using Humour to tap Multiple Intelligences In Medical Education, Association for Medical Education in Europe, Annual Meeting, 2007, Trondheim, Norway.
- Workshop on Analysis of Small Group Learning, Association for Medical Education in Europe, Annual Meeting, 2007, Trondheim, Norway.
- Essential skills in Medical Education, Association for Medical Education in Europe, 2007, Khartoum, Sudan.

- Technology Enhanced Medical Education, Association for Medical Education in Europe, Annual Meeting, 2008, Prague.
- Scholarly Evaluation Workshop, Association for Medical Education in Europe, Annual Meeting, 2008, Prague.
- Clinical teaching Workshop, Association for Medical Education in Europe, Annual Meeting, 2009, Malaga, Spain.
- Student assessment Workshop, Association for Medical Education in Europe, Annual Meeting, 2009, Malaga, Spain.
- E. Learning Workshop, Association for Medical Education in Europe, Annual Meeting, 2010, Glasgow, United Kingdom.
- Usability testing of E. Learning Workshop, Association for Medical Education in Europe, Annual Meeting, 2011, Vienna, Austria.
- Structured Approach to Effective Virtual Patient Authoring Workshop, Association for Medical Education in Europe, Annual Meeting, 2011, Vienna, Austria.
- Bruised, bloody and burned: Basic Moulage techniques Workshop, Association for Medical Education in Europe, Annual Meeting, 2011, Vienna, Austria.
- Measurement of clinical skills: Advanced topics Workshop, Association for Medical Education in Europe, Annual Meeting, 2011, Vienna, Austria.

- Measuring OSCE quality: A practical guide Workshop, Association for Medical Education in Europe, Annual Meeting, 2011, Vienna, Austria.
- Building Capacity for Accreditation Development & Sustainability workshop, Sudan Medical Council in collaboration with WHO and WFME, 2011, Khartoum, Sudan.
- Changing Medical Education. A framework for Development workshop. Sudan Medical Council in collaboration with WHO and Federal Ministry of Health, 2011, Khartoum, Sudan.
- The Association for Medical Education in Europe, Annual Conference from 2002 –present.
- The Saudi Medical Educational Association, International conferences, 2007, 2009.
- The international Medical Education Conferences in the Sudan, 2005, 2007, 2009.
- The Regional Consultation on Accreditation of Health Professions Education for EMR. Tunis, Tunisia 2011.
- Giving Feedback, The Third Saudi International Conference in Medical Education, The Saudi Medical Educational Association, Rahyhd, KSA, 2012.

## **Administrative**

**Administrative, Professional**

**& Academic**

## **Responsibilities & Activities**

### **Clinical Service Activities**

- Rotating Surgical Registrar, Khartoum, Sudan, 1981-1984.
- Senior Registrar, Academic Department of Surgery, Khartoum Teaching Hospital, Consultant cover for 40 surgical beds, 1984-1986.
- Weekly General Surgical Out-Patient Clinic, Khartoum Teaching Hospital, 1984-1986.
- Weekly Hand Clinic at Khartoum Teaching Hospital, 1984-1986.
- Weekly Scrotal Conditions Clinic at Khartoum Teaching Hospital, 1984-1986.
- Consultant Surgeon, Academic Department of Surgery, Khartoum Teaching Hospital, Consultant cover for 40 surgical beds, 1988-1992.
- Weekly General Surgical Out-Patient Clinic, Khartoum Teaching Hospital, 1988-1992.
- Twice weekly casualty covers to Khartoum Teaching Hospital, Academic Surgical Department, 1984-1986, 1988-1992.
- Consultant Surgeon, Soba University Hospital, Consultant cover for 30 surgical beds, 1992-Present.
- Weekly casualty covers to Ibrahim Malik Teaching Hospital, Surgical Department, 1992-1995.
- Weekly General Surgical Out-Patient Clinic, Soba University Hospital, 1992-Present.
- Weekly Mycetoma Clinic, Soba University Hospital, 1988-present.
- Weekly Breast Clinic, Soba University Hospital, 1988-Present.
- Weekly Thyroid Clinic, Soba University Hospital, 1992-Present.
- Weekly Gastrointestinal Endoscopic Session, Soba University Hospital, 1988-Present.
- Consultant Surgeon to the University Health Service, 1988-1996.
- Consultant Surgeon to the Central Police Hospital, 1990-1998.

### **Administrative Responsibilities**

1. African Academy of Science, Membership Advisory Committee (MAC), , Medical & Health Sciences, 2015- present.
2. Director General, The Scientific Research, Ministry of Higher Education and Scientific Research, Khartoum, Sudan, 2014- Present.
3. Director of the University of Khartoum Libraries, Khartoum, Sudan, 2011– Present.
4. The Academic Secretary, University of Khartoum, Khartoum, Sudan, 2009 – 2011.
5. Founding Director, Self Evaluation & Quality Enhancement Administration, University of Khartoum, Khartoum, 2006- 2009.
6. Director, The Educational Development Centre, Faculty of Medicine, University of Khartoum, Khartoum, 2000- 2006.

7. Founding Director, The National Mycetoma Control Programme, The Ministry of Health, Sudan, 2011 – Present.
8. Founding Director, The Mycetoma Research Centre, Sudan, 1991 – Present.
9. Member, University of Khartoum Supreme Council, 2009- present.
10. Convener, University of Khartoum Senate, Khartoum, 2009 – 2011.
11. Convener, University of Khartoum Staff Promotion Committee, Khartoum, 2009 – 2011.
12. Convener, University of Khartoum Examination and Prizes Committee, Khartoum, 2009 – 2011.
13. Convener, University of Khartoum Student Admission & Registration Supreme Committee, Khartoum, 2009 – 2011.
14. Convener, University of Khartoum Library Executive Committee, Khartoum, 2011 – present.
15. Member, Executive Committee, Graduate College, University of Khartoum Committee, Khartoum, 2011 – present.
16. Member, University of Khartoum Staff Appointment Committee, University of Khartoum, Khartoum, 2009 – 2011.
17. Member, The National Committee of Evidence Based Medicine, Khartoum, Sudan, 2009-Present.
18. Member, The National Committee of Scientific Research Ethics, Khartoum, Sudan, 2009-Present.
19. Coordinator, Human Development program, WHO, Sudan, 2000-2006.
20. Member, The Supreme Council, Sudan National Medical Specialisation Board, Sudan, 2009- 2014.
21. Member, The Medical & Health Committee, Ministry of Higher Education and Scientific, Sudan, 2008-2010.
22. Member, The Senate of the University of Khartoum, Khartoum, 1997 – Present.
23. Executive Member, The Sudan Medical Council, 2001- Present.
24. Member, The Faculty Board, Faculty of Medicine, University of Khartoum, 1997 – Present.
25. Chairman, The Mycetoma Research Group, Institute of Endemic Diseases, University of Khartoum, 1992 – Present.
26. Member, Executive board of the Educational Development Centre, University of Khartoum, 1995 – Present.
27. Head, The Research Committee, Soba University Hospital, Khartoum, 2007- 2013.
28. Secretary, Research Board, Faculty of Medicine, University of Khartoum, Khartoum, Sudan, 1996 – 2001.
29. Head, the Department of Medical Photography and Medical Illustration, Faculty of Medicine, University of Khartoum, 1988 – 2006.
30. Head, the Gastrointestinal Endoscopy Unit, Soba University Hospital, Khartoum, 1992 – 2000.
31. Head, the Theatre Committee, Soba University Hospital, Khartoum, 2001 – 2003.
32. Secretary, Research Committee, Department of Surgery, University of Khartoum, Khartoum, Sudan, 1992 – 1993.

33. Head, the University Department of Surgery, Khartoum Teaching Hospital, Khartoum, Sudan, 1988 – 1992.
34. Secretary, Departmental Board of Surgery, University of Khartoum, Khartoum, Sudan, 1984 – 1986, 1988-1992.
35. Secretary, the Steering Committee, the Institute of Endemic Diseases, University of Khartoum, Khartoum, Sudan, 1991 – 1993.

## **Academic Responsibilities in Medical Education**

- Ambassador to North Africa, Association for Medical Education in Europe, 2002-present.
- WHO Consultant in Medical Education, (2003-present).
- Visiting WHO Consultant to Sanna University, Yemen, (2003, 2007, 2011).
- Trainer of Trainers in Medical and Health Sciences, Educational Development Centre, University of Khartoum, Khartoum, (1997-Present).
- Member, Editorial board, MedEdWorld International (2009-Present)
- Member, Editorial Board, International Journal of Sudan Research
- Secretary, the Editorial Board, Khartoum Medical Journal, (2008 – Present).
- Assistant Editor, the Editorial Board, Sudan Medical Journal, Sudan, (1990 – 2000).
- Member, the Editorial Board, Gezeria Medical Journal, Sudan, (2005-Present).
- Member, the Editorial Board, Research and Development in Medical Educational Journal, Tabriz, Iran, (2011-Present).
- Member, the Editorial Board, Journal of Case Reports in infectious Diseases, USA (2011-Present).
- Member, the Editorial Board, The Arab Medical Schools Journal, (2009-Present).
- Member, the Editorial Board, the National Medical College Journal, (2006-Present).
- Member, Curriculum Committee, Faculty of Medicine, University of Khartoum, (2000-Present).
- Tutor in Surgery for Fifth Year Medical Students, Faculty of Medicine, University of Khartoum (1988 – 1995).
- Tutor in Surgery for Sixth Year Medical Students, Faculty of Medicine, University of Khartoum (1995 – 2000).
- Organizer, Surgical Club, Department of Surgery, University of Khartoum, Khartoum, Sudan (1984 – 1986, 1988 – 1991).
- Organizer, Course in General Surgery for Dental Students, Faculty of Dentistry, University of Khartoum, Khartoum, Sudan (1984 – 1986).
- Organizer, Surgical Forum for Surgical Registrars, Department of Surgery, University of Khartoum, Khartoum, Sudan (1984 – 1985).
- Organizer of the final M.D. (Surgery) Examinations, University of Khartoum, Khartoum, Sudan (1988 – 1992).
- Organizer of part (1) M.D. (Surgery) Examinations, University of Khartoum, Khartoum, Sudan (1992 – 1995).
- Organizer of the final MBBS Examinations, University of Khartoum, Khartoum, Sudan (1984 – 1986, 1988 – 1993).

- Regular case presentation sessions at the Surgical Club & Staff Rounds of the Department of Surgery, University of Khartoum
- Part-Time Lecturer, High Nursing School, University of Khartoum, (1981-1986)
- Part-Time Lecturer and Course Organizer of General Surgery for Dental Students, Faculty of Dentistry, University of Khartoum, (1986).
- Part-Time Lecturer, General Surgery, Faculty of Medicine, Ahfad & Upper Nile Universities, Khartoum, (1990-2009)

## **New Establishments**

- The establishment of the Venezuela Cultural Centre, in collaboration with the Venezuelan Embassy in the Sudan, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2015.
- The establishment of the Russian Cultural Centre, in collaboration with the Russian Embassy in the Sudan, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2014.
- The establishment of Prof EL Hassan Molecular Laboratory, the Mycetoma Research Centre, University of Khartoum, Khartoum, Sudan, 2014.
- The establishment of the Sudapaedia Electronic Library, in collaboration with Suna Press Agency, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2014.
- The establishment of the Motozi Japanese Cultural Centre, in collaboration with the Rotheno Foundation, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2014.
- The establishment of the Martin Luther King Cultural Centre, in collaboration with the American Embassy, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2013.
- The establishment of the Leonardo Da Vinci Library and Reading Room, the Main Library, in collaboration with the Italian Embassy, University of Khartoum Library, Khartoum, Sudan, 2013.
- The establishment of the Sudan Cultural Museum, University of Khartoum Library, Khartoum, Sudan, 2013.
- The establishment of the University Museum, University of Khartoum Library, Khartoum, Sudan, 2012.
- The establishment of the University Shop, University of Khartoum Library, Khartoum, Sudan, 2012.
- The establishment of the University Electronic Library, the University of Khartoum Library, Khartoum, Sudan, 2012.
- The establishment of the Department of Education, Training and Support, the University of Khartoum Library, Khartoum, Sudan, 2011.
- The establishment of the Visiting Professor Unit at the Academic Affairs Secretariat, University of Khartoum, 2010.
- The establishment of the University Website Management Unit at the Academic Affairs Secretariat, University of Khartoum, 2010.
- The establishment of the E. learning Centre, University of Khartoum, Sudan, 2010.



- The establishment of the Mycetoma Control Programme, in collaboration with the Federal Ministry of Health, Sudan, 2010.
- The establishment of the Self Evaluation & Quality Enhancement Administration, University of Khartoum, Khartoum, Sudan, 2006.
- The establishment of the Mycetoma Research Centre, University of Khartoum, Khartoum, Sudan, 1991.
- The establishment of the Educational Development Centre, Ahfad University, Khartoum, Sudan, 2008.
- The establishment of the Educational Development Centre new premises, University of Khartoum, Khartoum, Sudan, 2003.
- The establishment of the Medical Photography & Illustration Unit, Soba University Hospital, Khartoum, in collaboration with Medicimage Foundation, UK, 2006.
- The establishment of Professor AL Tagani EL Mahi Centre for Clinical Skills Training, Educational Development Centre, Faculty of Medicine, University of Khartoum, 2005.
- The establishment of The Integrated Teaching Centre, Faculty of Medicine, University of Khartoum, 2006.
- The establishment of The Faculty Museum, Faculty of Medicine, University of Khartoum, 2009.
- The establishment of the Mycetoma Research Centre, new premises, University of Khartoum, Khartoum, Sudan, 2007.
- Establishment of Continuing Professional Centre at Soba University Hospital, Khartoum, Sudan, 2004.
- The establishment of the Surgical Research Laboratory, the Academic Surgical Department, Khartoum Teaching Hospital, 1989.
- The establishment of the Gastrointestinal Tract Endoscopy Unit, the Academic Surgical Department, Khartoum Teaching Hospital, 1989.
- The establishment of Professor Ibrahim Mastufa's Postgraduate Lecture Theatre. University of Khartoum, 1989.

## **Other Activities**

- Rehabilitation of EL Shangati Library at the University Main Library, University of Khartoum, 2014.
- Rehabilitation of EL Tagani EL Mahi Library at the University Main Library, University of Khartoum, 2014.
- Rehabilitation and the establishment of new premises at the University Main Library, University of Khartoum, 2011.
- Contribution to the rehabilitation of the Main Examination Hall, University of Khartoum. Khartoum, 2011.
- Digitalization of all the Academic Affairs Secretariat activities, University of Khartoum, 2010.
- Contribution to the establishment of Soba Educational, Training & Examination Centre, University of Khartoum, 2010.

- Complete rehabilitation and the establishment of new premises of the Academic Affairs Secretariat premises, University of Khartoum, 2009.
- Complete rehabilitation of the Department of Medical Photography & Illustration, Faculty of Medicine, University of Khartoum, 2003.
- Complete rehabilitation of the Academic Surgical Department, Khartoum Teaching Hospital, 1999.
- Contribution to the establishment of the Institute of Endemic Diseases, University of Khartoum, 2000.
- Contribution to the rehabilitation of the Department of Surgery, Faculty of Medicine, University of Khartoum, 1999.
- Contribution to the establishment of the Surgical Pathology Museum at the Department of Surgery University of Khartoum, 1998.

## **Specialised Clinics Establishments**

- The establishment of the Mycetoma Clinic at Soba University Hospital, Khartoum (serving more than 7000 mycetoma patients).
- The establishment of the Thyroid Clinic at Soba University Hospital, Khartoum (serving more than 800 patients).
- The establishment of the Breast Clinic at Soba University Hospital Khartoum. (Serving more than 900 patients).

## **Membership to Learned societies**

### Local

- Secretary General, Sudan Association of Surgeons, 1994 – 2002.
- Founding Secretary General, Sudanese Society of Tropical Medicine, 1992 – 2002.
- Founding Secretary General, Sudanese Association of Medical Education, 2004-Present.
- Member, Executive Council of the Sudan Medical Association, 1994 – 2002.

- Member, Executive Council the Sudan National Academy of Science, 2007-Present.
- Secretary General, Sudanese Society of Gastroenterology, 1988-1994, 1999-2001.
- Member, Executive Council of Sudan Association of Surgeons, 2002-2006.
- Member, Sudanese Society of Physiology, 1994 – Present.
- Member, Sudanese Environmental Conservation Society, 1990 – Present.
- Member, Sudanese Society for Folklore, 2008 – Present.

## **Contributions to Scientific Conferences, Meetings & Symposia**

- **Local**
- **International**

## **Organisation of Public Lecture**

- Public Lectures on Surgical & Health Education in many villages in the Gazeria area, The White Nile, Sinnar States, Sudan.
- Health Education sessions, Sudan Television & Khartoum State Television, Blue Nile Television, Khartoum Broadcast and many National Newspapers.

## **Teaching, Supervision & Examination**

## **Undergraduate Teaching:**

Actively involved in the teaching of undergraduate medical students as well as dental and nursing students in the form of clinical rounds, lectures, tutorials and seminars at Soba University and Khartoum Teaching Hospitals in Sudan (1981-Present) and the Middlesex and University College Hospitals, London – United Kingdom (1986-1988)

## **4th Year Medical Students:**

- In the form of clinical ward rounds and clinical demonstration

## **5th Year Medical Students:**

- Organizer of the surgical teaching (1988-1995)
- Introduction for the first time the Surgical Seminar activity
- Supervision of many 5th year medical students' dissertations in Community Medicine
- Organization of fieldwork and surveys in Surgery & Community Medicine

## **6th Year Medical Students:**

- Regular weekly evening tutorial with hospital clinical teaching.
- Organizer of the Surgical Club (1984 – 1986, 1988 – 1991), this is a weekly academic surgical activity attended by surgeons from different hospitals and junior doctors.
- Introduction for the first time the Objective Structured Clinical Examination (OSCE) at the University of Khartoum for the final MBBS Examinations, 1989.
- Contribution to the development of the curriculum in surgery for medical students.

## **Teaching Experience**

Undergraduate Teaching: Actively involved in the teaching of undergraduate medical students as well as dental and nursing students in [...]

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Actively involved in the teaching of undergraduate medical students as well as dental and nursing students in the form of clinical rounds, lectures, tutorials and seminars at Soba University and Khartoum Teaching Hospitals in Sudan (1981-Present) and the Middlesex and University College Hospitals, London – United Kingdom (1986-1988)

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- Contribution to the development of the curriculum in surgery for medical students.

## **Training & Supervision of Post-graduates Students**

### **Professional Training**

#### **House Officers:**

Basic surgical training for a group of house-officers (5-6) every three months at Khartoum Teaching and Soba University Hospitals. The training includes management of surgical patients, acquiring basic clinical and operative skills and performing simple minor emergency and elective operations under supervision.

### **Senior House Officers:**

Training in clinical and operative management of most of the routine emergency and elective conditions under supervision.

### **Surgical Registrars:**

These are postgraduate students for the Doctoral Degree in Clinical Surgery (Sudan). 75 registrars have been trained professionally in surgery during their rotation under my supervision. Most of them are surgical specialists now.

### **The training involves the following activities:**

- Preoperative care of patients
- Operative techniques and skills
- Postoperative care of patients
- Outpatients-Department activities, this involves training in organisation of patients handling, booking for surgery, diagnostic approach, outpatient surgical care and performing minor operations
- Casualty training: a 24 hours cover of all general surgical casualty cases admitted to Khartoum Teaching Hospital and Ibrahim Malik Hospital. Rota 1 in 3. This involves close supervision
- Academic teaching and weekly discharge clinic
- Teaching professional ethics
- Surgical audit

### **Training in special procedures:**

- Upper and lower gastrointestinal endoscopy
- Tru-cut needle breast biopsy
- Fine needle Aspiration cytology technique for masses
- Vascular Doppler ultrasound examination

## **Training, Teaching & Activities In Medical Education**

- WHO Consultant in Medical Education.
- Visiting Professor to Sanna University, Yemen, (2003, 2007, 2011).
- Trainer of Trainers in Health Sciences, EDC Khartoum, (1997- Present)

- Chairman of the Organizing Committee of the First, Second, Third International Conferences on Medical Education in the Sudan, Khartoum, Sudan, 2005, 2007, 2009.
- Chairman of the Organizing Committee of The Regional workshop on Medical Education, The Scientific Society of Arab Medical Schools, Khartoum, Sudan, 2012.
- Established the Educational Development Centre new premises, Faculty of Medicine, University of Khartoum premises, Khartoum, 2003
- Established the Clinical Skills Laboratory, Educational Development Centre, Faculty of Medicine, University of Khartoum, Khartoum, 2005.
- Established the Integrated Teaching Centre, Faculty of Medicine, University of Khartoum, 2006
- Established the new Educational Development Centre, Faculty of Medicine, Ahfad University, 2008.
- **Supervision of Research**
- Supervised 31 Registers in Surgery and other disciplines thesis, these registrars are:

Dr. Raffat Bushra Salih.	1987
Dr. Abdel Gawi Hag Anwar.	1987
Dr. Kamal Izz Eldin.	1988
Dr. Mubarak Mekki.	1991
Dr. Salah Abdel Razig.	1991
Dr. Mohammed Toum Musa.	1992
Dr. Adil Ibrahim.	1993
Dr. El Tayeb Sourkati.	1994
Dr. Abdel Basit EL Sayed Ali.	1994
Dr. Mutaz Abdel Aziz.	1995
Dr. Yassir Adam.	1996
Dr. Mahmoud Ali.	1996
Dr. Noha Omer Barido.	1996
Dr. Khalid Awad	1996
Dr. Abdel Wahid EL Ragim.	1996
Dr. Osman EL Sannosi.	1997
Dr. Iyman EL Shiek.	1997
Dr. Amira Ziano.	1998
Dr. Intasar Ibrahim.	1998
Dr. Haydir Mohd.	1997
Dr. Sief Ibrahim.	1999
Dr. Abu Bukker Hassan	2004
Dr. Niema EL Khabli	2005

Dr. Ahmed A Fatah	2005
Dr. Fatma Mohd.	2005
Dr. Amir Mohd	2007
Dr. Fatima El Sadig A. Alla	2008
Dr. Mohd Yousif	2009
Dr. Hagir Ahmed	2010
Dr. Dalia Abdulla	2010
Dr. Eshraga Abaker Ezaldeen	2013

- **Co-supervision for thesis of the following registrars**

Dr. Kamal El Zaki.	1990
Dr. Imad Hussein (MD Clinical Medicine).	1994
Dr. Hayiat Ahmed (MD Clinical Anaesthesia).	1998

## **Thesis in progress**

Dr. Ali Hago, The recurrence rate in mycetoma

Dr. Buthayna Mohamed, the amputation rate in mycetoma

## **Supervision of Master Degree students (by research)**

- Miss Amel F. Farouk, MSc Molecular Biology, University of Khartoum. HLA frequency in Sudanese mycetoma patients
- Miss Rasha W. Shanteir, MSc Molecular Biology, University of Khartoum, Monitoring of antibody response in Sudanese mycetoma patients



- Miss Israa O. Elrayah, MSc Molecular Biology, University of Khartoum, Analysis of the cellular immune response of mycetoma patients: IFN $\gamma$  and IL-10 profiles
- Dr. A. EL Badie Mustauim, MSc Pharmacokinetics, University of Khartoum, The pharmacokinetics and pharmacodynamics of ketoconazole in the treatment of mycetoma patients

## **thesis in progress for Master-Degree (by research)**

- Dr. Hiba Mohd Ali, (BSc Pharmacy). Thesis: The effect of Fluconazole in the treatment of *Madurella mycetomatis*

## **Supervision of PhD Students**

- Dr. Abdella Osman Ahmed, “Molecular and biological studies on *Madurella mycetomatis* infection in man and mice”, Erasmus Medical Centre, Rotterdam University
- Dr. Wendy Van de Sande, Genetic variability, antigenicity and antifungal susceptibility of *Madurella Mycetomatis*, Erasmus Medical Centre, Rotterdam University
- Miss Fatima Abdel Rahman, Herbal treatment of mycetoma, University of Khartoum
- Mrs. Niemat Hassan abdullah, PhD Student, Knowledge, Attitude and Behavior of Sudanese Women towards Breast Self-Examination, University of Gazeria
- Dr. Hassabelrasoul Elfadil Hassan, Ph D Student , New Herbal treatment of mycetoma

## **Ph D Thesis in Progress**

## **Supervision of Medical & Health Students Research**

Supervised many Medical & Health Students in their dissertations in Community Medicine and Medical Microbiology.

## **Clinical Pharmacy Master Students , Queens' University, Belfast, UK**

Dr. Hiaba ELMusharf

Dr. Mohamed .Mustafa

## **Professional Examinations Experience**

### **Post-Graduate Examinations**

- Member, Court of Examiners, The Royal College of Surgeons of England, 2014
- External Examiner in MD Surgery, Libyan Post-graduate Medical Board, Mousrata, Libya, 2013, 2014.
- PhD External Examiner, Department of Medical Microbiology & Infectious Diseases, Erasmus Medical Centre, Rotterdam University, 2003, 2007
- OSCE Organiser for the final MD Surgery (Sudan), 2008- Present
- Examiner, MD Surgery (Sudan), 1995 –present

### **Under-Graduate Examinations**

- External Examiner in Surgery for the final MBBS Examination, Faculty of Medicine, Um EL Qura, Makah, KSA, 2011.
- External Examiner in Surgery for the final MBBS Examination, Faculty of Medicine, EL Sharagh, UAE. 2010
- External Assessor for the Faculty of Medicine and Health Sciences, Shandi University, Sudan, 2008
- Examiner in Surgery for the final MBBS Examination, Faculty of Medicine, EL Gadaraf University. Sudan, 2008
- Examiner in Surgery for the final MBBS Examination, University of Khartoum, (1984 – 1986, 1988 – Present)
- Examiner in Surgery for the final MBBS Examination, University of Gaziera, Sudan (1988 – Present)
- Examiner in Surgery, Faculty of Dentistry, University of Khartoum, Sudan, (1984 – 1986, 1988 – 1990).
- Examiner in Physiology, University of Khartoum, Khartoum – Sudan, (1988, 1990)
- Examiner in Physiology, Part (1) MD. Clinical Surgery, University of Khartoum, Khartoum, (1994)

- Examiner in Surgery in the final MBBS Examination, Ahfad University for Women, Omdurman (1996 – Present)
- External examiner in Surgery for the final MBBS Examination, EL Fashir University, Sudan, (Sudan Medical Council representative), (1998)
- Examiner in Surgery in the final MBBS Examination, Upper Nile University, Sudan, (2001).
- Examiner in Surgery in the final MBBS Examination, University of Medical and Health Sciences, (2001 – 2003).

## **Research Grants & Funds Generations**

### *Grants Obtained For Research Projects*

#### **Awarded Research Grants:**

- **University of Khartoum Grant # 264.**

Mycetoma: genetic background of mycetoma. 2010, (10.000 US\$).

On going work

- **University of Khartoum Grant # 254.**

Mycetoma: genetic background of mycetoma. 2009, (10.000 US\$).

On going work

- **Ministry of Higher Education Grant # 236**

Expression of Vascular Endothelial Growth Factor and other Angiogenic Factors in Sudanese Patients with Breast Cancer and its Association with Various Tumor Variables. 2009 – 15.000US \$

Work in progress

- **World Health Organization Grant # 920144.**

The efficacy of itraconazole in the treatment of patients with eumycetoma due to *Madurella mycetomatis*. 2006-2008, (12.000 US\$)

Outcome: article entitled:

*Fahal AH, Rahman IA, El-Hassan AM, Zijlstra EE. The efficacy of itraconazole in the treatment of patients with eumycetoma due to Madurella mycetomatis. Trans R Soc Trop Med Hyg. 2011; 105(3):127-32.*

- **Ministry of Higher Education Grant # 92.**

Mycetoma: Epidemiology, Pathogenesis and Management. A Field Based Study in Eastern Sinnar. 2007-2008, (20.000 US\$).

Outcome article entitled

*Zylstra EE, Rahman ME, EL Tahir O, EL Agab, E, K, O, N, Kamil MNA, Fahal AH. Epidemiology of Mycetoma in an endemic area in the Sudan-in press*

- **Ministry of Higher Education Grant # 234.**

Mycetoma: Epidemiology, Pathogenesis and Management. A Field Based Study in Central Gazeria. 2009-2010, (10.000 US\$).

- **University of Khartoum Grant #78**

Management of Hand Infection in Khartoum State. 1991, (500 US\$).

Outcome article entitled:

*Ezedeem K, Fahal AH, Ahmed ME. Management of hand infection in Khartoum. East Afri Med J. 1992; 69(11): 616- 618.*

## **Generation of Funds**

- Funds for the establishment of Prof EL Hassan Molecular Laboratory, the Mycetoma Research Centre, University of Khartoum, Khartoum, Sudan, 2014. (100 000 US\$)
- The establishment of the Sudapaedia Electronic Library, in collaboration with Suna Press Agency, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2014. (10 000 US\$)
- The establishment of the Motozi Japanese Cultural Centre, in collaboration with the Rotheno Foundation, the Main Library, University of Khartoum Library, Khartoum, Sudan, 2014. (100 000 US\$)
- Hagar Foundation, for the habilitation of the University of Khartoum Library, 2012 (100 000 US\$).
- Faisal Islamic Bank for the habilitation of the University of Khartoum Library, 2012, 2014, (10, 000 & 500,000 US\$).
- Hagar Foundation, to establish the E. Learning Centre, Soba University Hospital, 2010 (80 000 US\$).

- Different donors, to establish The Mycetoma Research Centre new premises (100 000 US\$).
- Dewan EL Zaka, Khartoum – Sudan, for the treatment of mycetoma patients (15 million SD/P).
- MSF- Holland, Holland, for the treatment of mycetoma patients, (40 000 US\$).
- Z-Medical Trade Company, Khartoum, Sudan for mycetoma patients treatment, (1000 US\$).
- Mercy Corps International, USA, to Soba University Hospital, University of Khartoum, in the form of medicines, medical equipments and others: (10 000 US dollars).
- Different donors, to Department of Surgery, Faculty of Medicine, University of Khartoum for rehabilitation, (35 000 US\$).
- WHO, EMRO, to the establishment of the Electronic Library of the Medical Campus, University of Khartoum. (55 000 US dollars).
- Welcome Trust Foundation (15.000 US\$) and (75 000 US\$) from local donors for the third international on mycetoma, Khartoum, Sudan, 2002.
- Different donors for The First International Conference on Medical Education, Khartoum, Sudan, 2005, (150 000 US\$).

- Different donors, The Second International Conference on Medical Education, Khartoum, Sudan, and the Mycetoma Research Centre, 2007, (400 000 US\$).
- Different donors, The Third International Conference on Medical Education, Khartoum, Sudan, and the Mycetoma Research Centre, 2009, (400 000 US\$).
- Different donors, The Fifth International Conference on Mycetoma, Khartoum, Sudan, and the Mycetoma Research Centre, 2011, (100 000 US\$).
- The library funds

## **Mycetoma Research Centre**

### **Founding Director of Mycetoma Research Centre**

Mycetoma is a common health problem, endemic in many tropical and subtropical regions characterised by devastating deformities, disability, high morbidity and serious negative socio-economic impacts on patients, families, communities and health authorities. Yet, it enjoys meager attention across the globe and that culminated in massive knowledge gaps in various aspects of mycetoma.

The Mycetoma Research Center (MRC) was established in 1992 under the umbrella of the University of Khartoum. It was set up at Soba University Hospital to provide an integrated high quality medical care for Mycetoma patients, conduct research and education and teaching in the various aspects of Mycetoma. The center is recognized globally as a world leader and an authoritative advisor in Mycetoma management and research.

The MRC is dedicated to the continuing discovery and development of scientific knowledge and clinical skills applied to the care of Mycetoma patients and to eradicate Mycetoma, as a life-mutilating disease, through the advancement of medical care, research, education and disease prevention.



### **The Justifications of the Mycetoma Research Centre include;**

- Mycetoma is a common problem, it is endemic in many tropical and subtropical areas and it is reported throughout the globe and Sudan seems to be the mycetoma homeland.
- It affects young patients of low socio-economic classes. It has a high morbidity and can be fatal.
- Both surgical and medical treatments are not satisfactory.
- It enjoys meager attention by health and social sectors across the world, as it is a non-glorious disease. MRC had managed to include mycetoma at the WHO/Neglected Tropical Diseases List or the first after a long and difficult journey.

### **Mycetoma Research Centre executes this mission through the:**

- Treatment of mycetoma patients (6660 patients are regularly seen).
- Establishment of the Mycetoma Control Programme with The Federal Ministry of Health, Sudan.
- Field visits to mycetoma endemic areas in Sudan for early detection and treatment.
- Established mobile surgical units for surgery at the affected villages
- Training of medical and paramedical staff. (Surgical registrars, medical students, community workers and paramedical staff were trained).
- Provides the peripherals with trained medical staff.
- Conduction of research on mycetoma. (Three PhD, 6 master degree students).
- Produces regular publications. (textbook and more than 90 published articles).
- Cooperates with and participates in the scientific activities of appropriate bodies worldwide. (Organized the Third International congress in mycetoma in the Sudan – 2002, The Mycetoma International Week – 2009, contributions, the Fifth International congress in mycetoma in 2011 and contributed to many international and regions meetings and conferences).
- Establishment the mycetoma website at: [www.mycetoma.edu.sd](http://www.mycetoma.edu.sd) for continuing professional development and education.
- Establishment of Evidence Based Mycetoma Management Guidelines.
- Health education for the public through Sudan, Blue Nile and Khartoum State TV.
- Produced many video films, DVD and leaflets on mycetoma for public health education.
- Heath education in rural areas in Central and Western Sudan
- Heath Education in different Community clubs
- Encourage fine art and artists activities
- Rising funds to help poor patients
- Contribution to include the mycetoma at the WHO/Neglected Tropical Diseases Department, 2013

- Establishment of the International Mycetoma Consortium, 2013

## Publication

1. Ibrahim A, Fahal AH. Recovery of radiologically functionless obstructed kidneys. Br J Urol. 1984; 56: 113-115.PMID: [6498428](#).
2. Fahal AH, Ibrahim A. Post – prostatectomy auto-irrigation with furosemide in the tropics. Pharmatherapeutic. 1986; 4(9): 590-594.PMID: [3094037](#).
3. Fahal AH. Acute Scrotum – Review article. Post Graduate Doctor. 1987; 10(5): 272-278.
4. Fahal AH, Yagi KI. Skin Endometriosis in Sudan. Trop Geogr Med. 1987; 39: 383-384.PMID: [3451419](#).
5. Fahal AH, Hassan MA. Fournier’s Gangrene in Khartoum. Br J Urol. 1988; 61: 451-454.PMID: [3293689](#).
6. Ahmed ME, Fahal AH. Preoperative fasting state in patients undergoing elective surgery. Emirates Med J. 1988; 6: 135-137.
7. EL Nour SAM, Fahal AH. Vertebral Solitary Osteochondroma. Saudi Med J. 1988; 9(6): 622-626.
8. Fahal AH, McDollan A M, Marston A. Femorofemoral bypass in unilateral iliac artery occlusion. Br J Surg. 1989; 76: 22-25. PMID:[2917255](#).
9. Ahmed ME, Fahal AH. Acute gluteal abscesses. Injectable chloroquine as a cause. J Trop Med Hyg. 1989; 92: 317-319.
10. Babekir ARE, Fahal AH, HedietAlla A. Oesophageal carcinoma in Sudan. Trop Doct. 1989; 19: 33-34.. PMID: [2922814](#).
11. Fahal AH, Gad EL Rab MO, EL Abdin SZ. The immune status of Sudanese patients with gastrointestinal tract cancer. Sudan Med J. 1990; 28(1-4): 23-29.
12. EL Zaki K, Ahmed MELM, EL Hassan AM, Yousif MA, Fahal AH. Acute gluteal abscess following intramuscular chloroquine injection: A clinical and experimental study. J Trop Med Hyg. 1991; 98: 206-209.PMID: [2051527](#).
13. Fahal AH, Hassan MA. Mycetoma. Br J Surg. 1992; 79(11): 1138-1141.PMID: [1467883](#).
14. Fahal AH, Sahil RB, Suliman SH, Hassan MA. Acute scrotum conditions in Khartoum. Sudan Med J. 1992; (1): 29-39.

15. Ezedeen K, Fahal AH, Ahmed ME. Management of hand infection in Khartoum. *East Afr Med J.* 1992; 69(11): 616- 618. PMID: [1298617](#).
16. Fahal AH, Suliman SH, Yagi KI, Gadir AFA, Mukhtar BI, Malik MOA. Salivary gland tumours in Sudan. *East Afr Med J.* 1993; 70(4): 213-216.
17. Fahal AH, Anwer AG, Suliman SH, Hassan MA. Appendicular mass in Khartoum. *Sudan Med J.* 1993; 39(1): 86-97.
18. Fahal AH, Suliman SH, Sharfi AR, EL Mahdi MEA. Acute idiopathic scrotal oedema in association with diabetic septic foot. *Diabetes Res Clin Pract.* 1993; 21(2-3):197-200. PMID: [8269822](#).
19. Fahal AH, Suliman SH, Gadir AFA, EL Hag IA, EL Amin FI, Gumaa SA, Mahgoub ES. Abdominal wall mycetoma: an unusual presentation. *Trans R Soc Trop Med Hyg.* 1994; 88(1):78-80. PMID: [8154012](#).
20. Fahal AH, Suliman SH. Clinical presentation of mycetoma. *Sudan Med J.* 1994; 32: 46-66.
21. Fahal AH, El Hassan AM, Abdelalla AO, Sheik HE, Cystic mycetoma: an unusual clinical presentation of *Madurella mycetomatis*. *Trans R Soc Trop Med Hyg.* 1998; 92:6-67.
22. Fahal AH. Pneumatosis cystoid intestinalis. Review article. *Sudan Med J.* 1994; 32(1): 1-8.
23. Fahal AH, EL Toum EA, EL Hassan AM, Gumaa SA, Mahgoub ES. A preliminary study on the ultrastructure of *Actinomyces pelletieri* and its host tissue reaction. *J Med Vet Mycol.* 1994; 32: 343-348. PMID: [7844700](#).
24. EL Hassan AM, Fahal AH, EL Hag IA, Khalil EAG. The pathology of mycetoma: Light microscopic and ultrastructural features. *Sudan Med J.* 1994; 32: 23-45.
25. Fahal AH, Hassan MA, Sanhoury M. Surgical treatment of mycetoma. *Sudan Med J.* 1994; 32: 98-104.
26. Fahal AH, Barka OZ, EL Lider AM. Pneumatosis cystoid intestinalis. (A case report). *East Afr Med J.* 1994; 71(6): 401-402. PMID: [7835266](#).
27. Fahal AH, EL Toum EA, EL Hassan AM, Gumaa SA, Mahgoub ES. Host tissue reaction to *Madurella mycetomatis*: New classification. *J Med Vet Mycol.* 1995; 33: 15-17.

28.EL Hag IA, Fahal AH, Khalil EAG. Fine needle aspiration cytology of mycetoma. *Acta Cytologica*. 1996; 40(3): 461-46.

29.Fahal AH, EL Hag IA, EL Hassan AM, Hashim FA. Leishmanialcholecystitisand colitis in a patient with visceral leishmaniasis. *Trans R Soc Trop Med Hyg*. 1995; 89: 284.PMID: [7660434](#).

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31.Fahal AH, Omer SM, El Razig SA, Ali ABE, Mahdi EMA, Mahgoub ES. Thyroid function in mycetoma patients. *East Afr Med J*. 1995; 72(7): 454-456.PMID: [7498029](#).

32.Fahal AH, Nasr A. Scrotal sepsis – Review article. *Surgery*. 1995; 13(8): 2-3.

33.Fahal AH, Azziz KAA, Suliman SH, Galib HV, Mahgoub ES. Dual infection with mycetoma and tuberculosis. *East Afr Med J*. 1995; 72(11): 749-750.PMID: [8904072](#).

34.Musa MT, Fahal AH, EL Arabi YE. Aspiration sclerotherapy for Hydroceles in the Tropics. *Br J Urol*. 1995; 76:488-490.PMID: [7551889](#).

35.Fahal AH, Gadir AFA, Nasr IO. Penile ossification. *East Afr Med J*. 1996; 73(4): 276-277.PMID: [8706616](#).

36.Mohamed ARO, Fahal AH, Venge V. Immunoglobulin and inflammatory markers profile in mycetoma. *East Afr Med J*. 1996; 73(4): 212 (Letter).PMID: [8698027](#).

37.FadlAlla AI, Fahal AH, Ahmed ME, Hassan MA. Pattern of postoperative pyrexia in Khartoum. *East Afr Med J*. 1996; 73 (1): 78-80.PMID: [8625871](#).

38.Sourkati EOM, Fahal AH, Suliman SH, EL Razig SA. Intestinal obstruction in Khartoum. *East Afr Med J*. 1996; 73(5): 31-34.PMID: [8756035](#).

39.Fahal AH, Yagi HI, EL Hassan AM. Mycetoma induced palatal deficiency and pharyngeal plexus dysfunction. *Trans R Soc Trop Med Hyg*. 1996; 90: 676-677.PMID: [9015514](#)

40.Fahal AH, Sheikh HE, EL Hassan AM. Pathological fracture in mycetoma. *Trans R Soc Trop Med Hyg*. 1996; 90: 675-676.PMID: [9015513](#).

41.Fahal AH, Sharfi AR, Sheikh HE, EL Hassan AM. Mycetoma: Uncommon complication. *Trans R Soc Trop Med Hyg*. 1996; 89: 550-552.

42. Fahal AH, Sadig ME, Suliman SH, EL Razig SA, Mahgoub ES. Lack of association between ABO blood groups and Rh factor and the tendency to develop mycetoma. *East Afr Med J.* 1996; 11: 769. (Letter). PMID: [8997873](#)
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44. Fahal, AH, EL Hag IA, Gadir AFA, EL Lider AR, Baraka OZ, EL Hassan AM. The blood supply and vasculature in mycetoma. *J Med Vet Mycol.* 1997; 35: 101-106. PMID: [9147269](#)
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46. Fahal AH, Barido NO, Gadir AFA, EL Arabi YE. Calculi within an anal fistula tract. *Br J Surg.* 1994; 84:1001. PMID: [9240147](#).
47. Ahmed AOA, Fahal AH, Abugroun EAM, Zijlstra E, Belkum A van, Verbrugh HA. Unexpected high prevalence of secondary bacterial infection in mycetoma. *J Clin Microbiol.* 1998; 36(3): 850-851.
48. Ahmed AOA, van Belkum A, Fahal AH, EL nor AEA, Abougroun EAM, Vanden Bergh MFQ, Zijlstra EE, Verbrugh HA. Nasal carriage of staphylococcus aureus and epidemiology of surgical –site infection in a Sudanese university hospital. *J Clin Microbiol.* 1998; 36(12): 14-18. PMID: [9817883](#). [[Download free Article](#)].
49. Fahal AH, Sharfy ARA. Vulval mycetoma: a rare cause of bladder outlet obstruction. *Trans R Soc Trop Med Hyg.* 1998; 92: 652-653. PMID: [10326112](#).
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51. Fahal AH, Zijlstra EE. Keloid en hypertrofische littekens *WCS Nieuws* 1998; 2(6): 21-25.
52. Fahal AH. The management of mycetoma. *Post-Grad -Caribbean.* 2000;16(4):229-232.
53. Mahdi SEI, Ahmed AO, Boelens H, Ott A, Abugroun, ES, van Belkum A, Verbrugh H, Fahal AH. An epidemiological study on the occurrence of *Staphylococcus Aureus* in superficial abscesses of patients presenting for surgery in a

teaching hospital in Khartoum, Sudan. FEMS Immunol Med Microbiol. 2000; 29:155-162.PMID: [11024355](#). [[Download Free Article](#)].

54.EL Hassan AM, Fahal AH, Ahmed AO, Ismail A, Veress B. The immunopathology of actinomycetoma lesions caused by *Streptomyces somaliensis*. Trans R Soc Trop Med Hyg. 2001; 95(1); 89-92.PMID: [11280076](#)

55.Ahmed AOA, Adelman D, Fahal AH, Verbrugh HA, Van Belkum A, De Hoog S. Environmental occurrence of *Madurella mycetomatis*, major agent of human eumycetoma in Sudan. J Clin Microbiol. 2002 40(3): 1031-1036.PMID: [11880433](#). [[Download Free Article](#)]

56.Masri MA, Abdel Seed NM, Fahal AH, Romano M, Baralle F, El Hassam AM, Ibrahim ME. Minor role for BRCA2 (exon11) and p53 (exon 5-9) among Sudanese breast cancer patients. Breast Cancer Research and Treatment. 2002; 71(2):145-7.PMID: [11883440](#).

57.Ahmed AOA, van Vianen W, ten Kate M, van de Sande WWJ, Van Belkum A, Fahal AH, Verbrugh HA, Bakker- Woudenberg IAJM. A murine model of *Madurella mycetomatis* eumycetoma. FEMS Immunol Med Microbiol. 2003; 37: 29-36.PMID: [12770757](#). [[Download Free Article](#)].

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- 69.Fahal AH. Medical Education in the Sudan. The strengths and weakness. *Medical Teach*. 2007; 29(9):910-14.PMID: [18158664](#).
- 70.Hussein A, Ahmed AEM, Fahal AH, Mahmoud A, Sidig A, Awad K, Ahmed EM. Cervical cord compression secondary to mycetoma infection. *Sud J Pub Health*. 2007; 2(2): 112-115.
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- Editor, Mycetoma in Sudan, Sudan Medical Journal, Supplement, 1994.
- Co-Editor, Sudanese Society of Tropical Medicine and Hygiene Newsletter, 2000-2002.
- Co-Editor, Sudan Association of Surgeons Newsletter, 2004-2006.
- Co-Editor, Educational Development Centre – Khartoum Newsletter, 1999.

# Electronic Publications

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## Referee for Scientific Journals

- British Journal of Surgery
- British Medical Journal
- International Journal of Dermatology
- American Journal of Tropical Medicine and Hygiene
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- Clinical and Experimental Dermatology
- Mycosis
- Transactions of Tropical Medicine and Hygiene Journal
- The Medical Teacher
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- Journal of Global Infectious Diseases
- Journal of Scientific Medicine
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- Khartoum Medical Journal
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- American Journal of Clinical Dermatology
- Acta Dermato-Venereologica
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