

# **Curriculum Vitae**

**Ibrahim Hassan Fahal,**

MBBS, MD (Res.), FRCP (London), FRCP (Glasgow), FASN (USA)

**Consultant Nephrologist**

**Barking Havering and Redbridge University Hospitals NHS Trust**

**Honorary Consultant Nephrologist**

**Barts Health NHS Trust**

**Clinical Senior Lecturer**

**Barts and the London School of Medicine and Dentistry, Queen Mary  
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## **Ibrahim H Fahal, Consultant Nephrologist/Clinical Senior Lecturer**

### **Biographical information**

Marital Status: Married with 2 children  
Language: English & Arabic

### **Specialty accreditation/GMC registration**

December 1996 JCHMT accreditation  
March 1997 Certificate of Completion  
of Specialist Training  
(CCST)  
GMC registration UK Full, No 3531907  
(Specialist register)

### **Education/Degrees**

1975-1981 Khartoum University  
May 1981 M.B, B.S.  
July 1990 M.R.C.P. (UK)  
March 1997 CCST (Medicine/renal)  
December 1997 MD (University of Liverpool)  
July 2000 F.R.C.P. (London)  
October 2001 F.R.C.P. (Glasgow)  
August 2010 FASN (USA)

### **Contact**

Department of Renal Medicine  
Queen's Hospital  
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NHS PA: Natalie Mills  
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### **CURRENT STATUS AND PERSONAL STATEMENT**

I am a Consultant in Nephrology at Barking Havering and Redbridge University Hospitals NHS Trust and honorary consultant nephrologist, Barts Health. I am also Clinical Senior Lecturer at Barts and the London School of Medicine and Dentistry, Queen Mary University of London.

Qualified in Medicine, Khartoum Medical School 1981; Member, Royal College of Physicians (London) 1990; MD (Research), University of Liverpool 1997; Fellow, Royal College of Physicians (London) 2000; Fellow, Royal College of Physicians (Glasgow) 2001; elected Fellow, American Society of Nephrology 2010.

Since Summer 1997 consultant in Nephrology, Barking Havering and Redbridge University Hospitals NHS Trust, based at Queen's hospital, Romford; since 2008 honorary clinical senior lecturer, Barts and the London School of Medicine and Dentistry, Queen Mary University of London; 1994-1997 lecturer and senior registrar to the Professor of Medicine, University of Liverpool; 2003-2010 clinical director of nephrology; 2003-2010 member, Renal Network Board of the North East London Sector Specialist Commissioning Board; 2005-2010, Member of the International Committee of the UK Renal Association; 2006-2010 member Speciality Training Committee (general medicine) London Deanery. In 2012 I spent a 12 month sabbatical leave working as a senior consultant nephrologist in Suliman AL Habib hospital in Riyadh.

I undertake 2 nephrology outpatient clinics/week, one Diabetic Renal clinic, 3 ward rounds and other associated activities. On call 1:6.

Since 2000, regular contributor to education in the Arab world. I have organised and participated in 6 conferences (2 at the Royal College of Physicians of London); educational seminars/conferences in Sudan, Saudi Arabia, Egypt, Jordan, Bahrain, Turks and Caicos Islands, the Caribbean. Since 2013 Examiner for the MRCP PACES examination and past external examiner representing the Royal College of Physicians of London for professional examinations in Medicine (Final MB), Sudan. Since 2010, Member of interviewing medical student applicants' panel, London University and member of international editorial board of Sudan Medical Journal, the Arab Journal of Nephrology and Transplantation. Since 2005, manuscript reviewer for the American Journal of kidney diseases, the Journal of Nutrition, Health and Aging, the Saudi Journal of Nephrology and Transplant and the Arab Journal of Nephrology and Transplantation.

53 publications (19 original articles, 7 editorials, 7 occasional publications, 4 book chapters, 16 abstracts). 62 presentations at local, national and international conferences (e.g. Cleveland Clinic, OH). Top papers include *Nephrol Dial Transplant* 2014; 29 (9): 1655-1665, *Khartoum Medical Journal* 2013; 2,873-880, *Saudi Kidney Diseases and Transplantation Bulletin*. 2001; 12(2): 191-212, *The International Journal of Artificial Organs*. 1998; 21, 6: 657-660, *Nephrol Dial Transplant*. 1997; 12: 119-127, *Clin Science* 1996; 90 (4): 295-300, *Perit Dial Int*. 1996; 16 (1): S419-S423, *Lancet* 1994; 343: 122-123.

My clinical, academic and management skills, my capacity for hard work, my integrity and my strategic vision are in my view my greatest assets.

### **CURRENT EMPLOYMENT**

Nov 1997- Consultant in Nephrology Queen's Hospital, Romford  
June 2022-23 Clinical lead, Department of Nephrology, Queen's Hospital  
June 2003-10 Clinical lead, Department of Nephrology, Queen's Hospital  
July 2008- Clinical Senior Lecturer at Barts and the London School of Medicine and Dentistry, Queen Mary University of London.

### **OTHER RESPONSIBILITIES**

June 2003-10 Member, Renal Network Board of the North East London Sector Specialist Commissioning Board.  
June 2004-07 Member of Queen's Evidence Based Practice Committee  
April 2005-10 Member of the International Committee of the UK Renal Association  
March 06-10 Member Speciality Training Committee (General medicine) London Deanery  
June 2008- Educational supervisor Foundation Year 1&2 doctors and Specialist registrars  
August 2010- Member of interviewing medical student applicants panel, London University  
August 2013- Examiner for the MRCP PACES examination  
July 2021- Member, mortality review board

### **POSTGRADUATE MEDICAL TRAINING**

1996-97 Lecturer/Senior Registrar and Acting Consultant Physician & Nephrologist, Royal Liverpool University Hospital  
1993-97 Lecturer/Senior Registrar to the Professorial Medical Unit, University of Liverpool and Royal Liverpool University Hospital.  
1989-93 Registrar in Nephrology, Royal Liverpool University Hospital  
1988-89 Registrar in General Medicine and Nephrology, Wrexham Maelor Hospital  
1988-88 Senior House Officer in Nephrology, Royal Liverpool University Hospital  
1986-88 Resident (registrar) in General Medicine, King Khalid Hospital, Najran, Saudi  
1985-86 Resident (SHO) in Nephrology, Najran General Hospital- Najran, Saudi Arabia  
1984-85 Resident (SHO) in Medicine, King Khalid Hospital-Najran, Saudi Arabia.  
1982-84 Senior House Officer in General Medicine, Khartoum Teaching Hospital.  
1981-82 Rotation Internship, Soba University and Khartoum Teaching Hospitals.

### **SUMMARY OF EXPERIENCE**

I have gained considerable, supervised experience in General Medicine and Nephrology, academic medicine, research and teaching during my time in the University of Liverpool and the Royal Liverpool University Hospital and currently at Barking Havering and Redbridge University Hospitals NHS Trust.

### **CLINICAL EXPERIENCE**

During my general medical training I have been trained in a broad range of competencies to manage the acutely ill medical patient. I continue to be on call for unselected nephrology and medical admission, perform an inter take and post take ward rounds, and I am responsible for nephrology and general medical in-patients. I undertake 2 renal outpatient clinics/week, one Diabetic Renal clinic, ward rounds and other associated activities. I manage about 1500 outpatients with chronic kidney disease, glomerulonephritis and post-transplant, over 300 diabetic renal patients and share management of haemodialysis programme of 110 patients.

I have extensive experience in the field of nephrology and renal replacement therapy. I am competent in investigating and caring for patients with acute kidney injury, chronic kidney disease, dialysis and transplantation. Working at different university centres gave me experience in a wide spread of acute aetiologies and the treatments available. The different centres also provided the opportunity to refine my consultation skills in directing specialised clinics included general nephrology, hypertension, diabetic-renal care, lupus, and vasculitis. I have good

communication skills and am confident in coordinating complex inpatient care that involves other specialties such as Obstetrics, Liver, Haematology, HIV, ITU and vascular surgery

**Clinical interests:** Diabetic nephropathy and management of CKD.

## **ACADEMIC EXPERIENCE**

### **TEACHING**

Since 2008 Clinical Senior Lecturer, Barts and the London School of Medicine and Dentistry, Queen Mary University of London. Previously, lecturer to the Professor of Medicine University of Liverpool. I share tutor responsibilities for clinical teaching of Year 3 & 5 medical students and the Special Study Modules (SSM). Since 2002 setup and maintained weekly renal teaching seminars, weekly journal clubs and weekly radiology MDT. Since 2000, Teaching and mentoring medical students from Sudan. Since 1999, Teaching and mentoring the American University of the Caribbean medical students. MRCP PACES examiner. External Examiner for professional examinations in Medicine (Final MB), Ribat University, Khartoum. FY1 & 2, IMT and specialist registrars educational supervisor. Regularly lectures to GPs.

### **RESEARCH INTERESTS**

My principal research interest is centred on the muscles of patients with Chronic Kidney Disease (MD thesis) which led to interest in sarcopenia and coining the term uraemic sarcopenia and a review article publication; (Uraemic sarcopenia: aetiology and consequences. *Nephrol Dial Transplant* 2014; 29 (9): 1655-1665).

## **ACADEMIC ACTIVITIES**

2014-	Manuscript Reviewer, the American Journal of Kidney diseases
2013-	Manuscript Reviewer, the Journal of Nutrition, Health and aging
2009-	Member, International Editorial board of Sudan Medical Journal
2007-	Member Editorial Board African Association of Nephrology
2004-	President, Sudan Medical Care Foundation (academic charity)
2002-	Member, International Board, Kidney Forum, Arab Journal of Nephrology
2002-	Manuscript Reviewer, the Arab Journal of Nephrology and Transplantation
95-2000	Manuscript Reviewer, Saudi Journal of Kidney Diseases and Transplantation
1996-1998	Grant Reviewer, Research & Development of Health & Social Care for Wales
1996-1997	Manuscript Reviewer, Postgraduate Medical Journal, London
1996-1997	Manuscript Reviewer, ethical committee, Royal Liverpool University Hospital

## **ADMINISTRATIVE EXPERIENCE**

Clinical director for nephrology, I established a department of nephrology in 2000; in 2005 I secured 800K from the Renal Network Board of the North East London to setup dialysis service. Since 2002, Chairman of the academic charity Sudan Medical Care Foundation.

### **IT SKILLS**

I have extensive knowledge of all Microsoft programs. I am a competent web designer and have designed several cyber sites ([www.londonkidneyclinic.london](http://www.londonkidneyclinic.london); [www.ibrahimfahal.net](http://www.ibrahimfahal.net); [medics-sd.org](http://medics-sd.org)).

## **OTHER INTERESTS**

Voluntarily work ,Tennis, swimming and travelling.

**Prizes/Awards:** Level 8 Clinical Excellence Awards given in recognition of my exceptional contribution, over and above that normally expected in my job; 2010, Sudan National Medical Postgraduate Board award; 2009, Arab Society of nephrology award Amman, Jordan.

**Mission statement:** My aim is to promote excellence in clinical patient care and teaching, both personally and for my patients, trainees and students. I will continue to do my best to assist my patients in any way that I can.

### **Career aims**

My aim is to maintain involvement in clinical patient care and training. My clinical, academic and management skills, my capacity for hard work, my integrity and my strategic vision are in my view my greatest assets.

## **PUBLICATIONS**

### **Articles in peer-reviewed journals**

1. **Fahal** IH, Yaqoob M, Ahmad R. Phlebotomy for erythropoietin-associated malignant hypertension. (letter) Lancet 1991; 337: 1227.
2. Yaqoob M, **Fahal** IH, Finn R. Obstructive nephropathy due to pseudomyxoma peritonei and its management by cystic obliteration and urinary diversion. Nephrol Dial Transplant 1991; 6: 60-61.
3. **Fahal** IH, Yaqoob M. How to insert a temporary peritoneal dialysis cannula. Saudi Med J 1991; 27: 212-214.
4. **Fahal** IH, Williams PS. Insulin and dextrose in the treatment of hyperkalaemia: Optimum dose and risk of hypoglycaemia. Saudi Kidney Diseases and Transplantation Bulletin 1991; 2 (3): 156 -158.
5. **Fahal** IH, McClelland P, Williams PS, Bell GM. Angiotensin converting enzyme inhibitors: renal effects; a cautionary note. Saudi Kidney Diseases and Transplantation Bulletin 1992; 3 (1): 201.
6. **Fahal** IH, Williams PS, Clark RE, Bell GM. Rifampicin induced thrombotic thrombocytopenic purpura and its management by plasma exchange. Brit Med J 1992; 304: 882.
7. Yaqoob M, Smith J, Ahmad R, McClelland P, **Fahal** IH, Verbov J. Haemodialysis-related porphyria cutanea tarda and treatment by recombinant human erythropoietin. Nephron 1992; 60: 428-431.
8. **Fahal** IH, Yaqoob M, Ahmad R. Phlebotomy for erythropoietin induced malignant hypertension. Nephron 1992; 61: 214-216.
9. **Fahal** IH, Sallomi DS, Yaqoob M, Bell GM. Acute renal failure after ecstasy. Brit Med J 1992; 305: 29.
10. Yaqoob M, Ahmad R, McClelland P, Sallomi D.F, **Fahal** IH, Roberts N.B, Helliwell T. Resistance to recombinant human erythropoietin due to aluminium overload and its reversal by low dose desferrioxamine therapy. Postgrad Med J 1993; 69: 124-128.
11. **Fahal** IH, Murray N, Chu P, Bell GM. Acute renal failure during therapy with Interferon. Brit Med J 1993; 306: 973.
12. **Fahal** IH, Ahmad R, Bell GM, Birchall JD, Robert NB. Profile of serum silicon in aluminium-overloaded patients on regular haemodialysis treatment. J of Analytical Atomic Spectrometry 1993; 8: 911-913.

13. **Fahal** IH, Yaqoob M, Ahmad R, Robert NB; Bell GM. Does silicon protect against aluminium toxicity in dialysis patients? *Lancet* 1994; 343: 122-123.
14. **Fahal** IH, McClelland P, Hay CRM, Bell GM. A Review "Arterial Thrombosis in the nephrotic syndrome". *Postgrad Med J* 1994; 70: 905-909.
15. Ng HWK, Walley TJ, **Fahal** IH, Ahmad R, Breckenridge AM. Comparison of bioimpedance and doppler ultrasound cardiac output in CAPD patients. *Meth Find Exp Clin Pharmacol* 1995; 17 (1): 59-65.
16. **Fahal** IH, Ahmad R, Edwards RHT. Muscle weakness in continuous ambulatory peritoneal dialysis patients. *Perit Dial Int.* 1996; 16 (1): S419-S423.
17. McArdle A, Jackson MJ, McArdle F, Page SF, **Fahal** IH, Edwards RHT. Investigation by polymerase chain reaction of enteroviral infection in patients with chronic fatigue syndrome. *Clin Science* 1996; 90 (4): 295-300.
18. **Fahal** IH, Bell GM, Bone JM, Edwards RHT. Physiological abnormalities of skeletal muscle in dialysis patients. *Nephrol Dial Transplant.* 1997; 12: 119-127.
19. Parry R, Delves T, Roberts NB, Birchall JD, Bellia JP, Davenport A, Ahmad R, **Fahal** IH, Altmann P. Silicon and aluminium interactions in haemodialysis patients. *Nephrol Dial Transplant* 1998; 13 (7): 1759-1762.

## **EDITORIALS**

20. **Fahal** IH. Continuous Ambulatory Peritoneal Dialysis; practical points. "Editorial" *Saudi Kidney Diseases and Transplantation Bulletin.* 1993; 4 (1): 1-8.
21. **Fahal** IH, Bell GM. Editorial: Uraemic myopathy; Fact or fiction. *The International Journal of Artificial Organs.* 1998; 21, 6: 657- 660.
22. **Fahal** IH: Recommended standards for treatment of adult patients with renal failure. *Saudi Kidney Diseases and Transplantation Bulletin.* 2001; 12(2): 191-212.
23. **Fahal** IH: Recommended standards for treatment of acute renal failure. *Saudi Kidney Diseases and Transplantation Bulletin.* 2001; 12(4): 538-54.
24. **Fahal** IH. The Diabetic Kidney - "A Systematic, Diabetes Renal Service, better for Patients and Clinicians". *SMJ* 2009; 45 (3), 4-16.
25. **Fahal** IH. Managing the heart in the failing kidney; challenges and opportunities. *Sudan Heart Journal* 2013; 1 (1). Available at:  
<<http://sudanheartinstitute.org/shj/index.php/shj/article/view/13>>.
26. **Fahal** IH. Obstetric nephrology: The effects of pregnancy on the kidney and the kidney on pregnancy. *Khartoum Medical Journal* 2013;2,2- 873-880.
27. **Fahal** IH. Full Review. Uraemic sarcopenia: aetiology and consequences. *Nephrology Dialysis and Transplant* 2014; 29 (9): 1655-1665. doi: 10.1093/ndt/gft070.

## **CHAPTERS IN BOOKS**

28. **Fahal** IH, Thompson N, Edwards RHT. Disorders of muscle. In: Maria Stokes, eds. Textbook of Neurological physiotherapy, 1<sup>st</sup> edition. London, Philadelphia, St Louis, Sydney, Tokyo: M, Mosby; 1998: 193-199.
29. Thompson N, **Fahal** IH, Edwards RHT. Muscle disorders of childhood. In: Maria Stokes, eds. Textbook of Neurological physiotherapy, 1<sup>st</sup> edition. London, Philadelphia, St Louis, Sydney, Tokyo: M, Mosby; 1998: 255-267.
30. **Fahal** IH. Epidemiology of Glomerular Disease. In: Nur Elhuda's Textbook of Glomerular Diseases Fifth edition. 2016: 103-120.

### **OCCASIONAL PUBLICATIONS**

31. **Fahal** IH, Karrar MO. Africa needs democracy and freedom, The Guardian, April 7, 2000.
32. **Fahal** IH. Sudan needs aid, not an invasion. The Guardian, July 5, 2004.
33. **Fahal** IH; Health in the Arab World. *BMJ* 2015; 324 doi: <http://dx.doi.org/> Cite this as: *BMJ* 2015;324:1345
34. **Fahal** IH. **Sudan in winter and a call to action.** *BMJ.com*, 8 Jan 2005.
35. **Fahal** IH. **OBITUARIES: El Asaad Ali Ibrahim Abdel Magid.** *BMJ*, Feb 2005; 330: 423.
36. **Fahal** IH. **OBITUARIES: Salih Yassin Salih.** *BMJ*, July 2009; 339: b3023
37. **Fahal** IH. Time for tighter checks on medical schools? *BMJ* 2015; 350 doi: <http://dx.doi.org/10.1136/bmj.h3511> (Published 8 July 2015).

### **PUBLISHED ABSTRACTS**

38. Hashim IA, Fahal IH, Ahmad R, Roberts NB. Assaying for autoantibodies to recombinant human erythropoietin administered to patients with end-stage renal disease. *J Endocrin* 1991; 131: 105.
39. Williams PS, Fahal IH, McClelland P, Bone JM. Progression of chronic renal failure analysed by two phase linear regression of reciprocal plasma creatinine against time plots *Nephrol Dial Transplant* 1991; 6: 743.
40. Fahal IH, Yaqoob M, Roberts N, Birchall JD, Bell GM. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. *Clin Science* 1992; S28: 26p.
41. Fahal IH, Yaqoob M, Roberts N, Bell GM. Serum silicon profile in patients on CAPD and haemodialysis treatment. *Nephrol Dial Transplant* 1993; 8 (9): 1021-1022.
42. Fahal IH, Yaqoob M, McClelland P, Ahmad R. Simple approach to the management of CAPD Fungal peritonitis. *Nephrol Dial Transplant* 1993; 8 (9): 1022.
43. Fahal IH, Yaqoob M, Roberts N, JD Birchall, GM Bell. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. *Nephrol Dial Transplant* 1993; 8 (9): 988.
44. Fahal IH, Murray N, Chu P, Bell GM. Acute renal failure during therapy with Interferon. *Clinical abstracts/Current Therapeutic Findings* 1993; 12 (7): 56.

45. Yaqoob M, McClelland P, West D, Evans N, Hashim I, Fahal IH, et al. Endothelial leukocyte adhesion molecule-1 in ANCA positive vasculitis. *Nephrol Dial Transplant* 1993; 8 (9): 932.
46. Fahal IH, Hutcheon RC, Edwards RHT. Bioelectrical impedance in muscular dystrophy patients. *Clin Science* 1995; 88, S28: 13p.
47. McArdle A, Page SF, Prescott NJ, F, Fahal IH, Jackson MJ, Edwards RHT. Are biochemical abnormalities in muscles of patients with chronic fatigue syndrome a consequence of entroviral infection? *Clin Science* 1995; 88, S29: 25p.
48. Fahal IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. Muscle weakness in dialysis patients. *Nephrol Dial Transplant*. 1995; 10 (6): 1010.
49. Fahal IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. Fatigue in dialysis patients: Is it central or peripheral. *Nephrol Dial Transplant*. 1995; 10 (6): 1010.
50. Fahal IH, Edwards RHT, Ahmad R. Muscle weakness in CAPD. *Peritoneal Dialysis International* 1995; 15 (4): S80.
51. Fahal IH, Ahmad R, Bell GM, Bone JM, Helliwell T, Edwards RHT. Muscle histology does not explain the weakness and fatigue in dialysis patients. *Nephrol Dial Transplant*. 1996; 11 (6): A158.
52. Fahal IH, McArdle A, Ahmad R, Bell GM, Bone JM, Jackson MJ, Edwards RHT. Muscle mitochondrial enzymes in dialysis patients. *Nephrol Dial Transplant*. 1996; 11 (6): A158.
53. Fahal IH. Low frequency fatigue: a tool for assessing nutrition in dialysis patients. *Wiener klinische Wochenschrift - the Middle European Journal of Medicine (Austria)*, 1998; 110 (4): 14.

## **PRESENTATIONS TO LEARNED SOCIETIES**

1. Progression of chronic renal failure analysed by two phase linear regression of reciprocal plasma creatinine against time plots. Williams PS, **Fahal** IH, McClelland P, Bone JM. Scottish Renal Association. **Inverness**, Autumn 1991
2. Progression of chronic renal failure analysed by two phase linear regression of reciprocal plasma creatinine against time plots. Williams PS, **Fahal** IH, McClelland P, Bone JM. 7th International Symposium of Nephrology. Montecatini-**Italy** 1991.
3. Role of silicon in patients with aluminium overload on regular haemodialysis treatment. **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. Merseyside Biochemist Association. **Liverpool**, 1992
4. Is silicon protective in aluminium overloaded patients on regular haemodialysis treatment. **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. UK Renal Association. **London**, Autumn 1992.
5. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. Scottish Renal Association. Aberdeen, 1992.



6. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. "Poster presentation". **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. Medical Research Society. **London**, Autumn 1992.
7. Is silicon protective in aluminium overloaded patients on regular haemodialysis treatment. **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. The Merseyside and North Wales Society of Physicians. **Liverpool**, 1992.
8. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. Fahal IH, **Yaqoob** M, McClelland P, Williams PS, Roberts NB, Birchall JD, Ahmad R, Bell GM. XIIth International Congress of Nephrology. **Jerusalem**, June 1993.
9. A simple approach to the management of CAPD fungal peritonitis. Fahal IH, **Yaqoob** M, McClelland P, Khalil AA, Ahmad R. XIIth International Congress of Nephrology. **Jerusalem**, June 1993.
10. Soluble E-Selectin in ANCA positive vasculitis. **Yaqoob** M, Fahal IH, et al. XII International Congress of Nephrology. **Jerusalem**, June 1993.
11. Anti-Glomerular basement membrane (GBM) antibodies based audit of crescentic glomerulonephritis. Yaqoob M, Beales R, McClelland P, **Fahal** IH, Bell GM. Northwest Kidney Club. **Liverpool**, May 1993.
12. The relationship of serum silicon to aluminium in patients on regular haemodialysis treatment. "Oral presentation". **Fahal** IH, Yaqoob M, McClelland P, Williams PS, Roberts NB, Birchall JD. XXXth Congress of the European Dialysis and Transplant- European Renal Association. **Glasgow**- UK, September 1993.
13. Serum silicon profile in patients on continuous ambulatory peritoneal dialysis. "Poster presentation". **Fahal** IH, Yaqoob M, Khalil AA, Roberts NB, Bell GM, Ahmad R. XXXth Congress of the European Dialysis and Transplant- European Renal Association. **Glasgow**-UK, September 1993.
14. A simple approach to the management of CAPD fungal peritonitis. "Poster presentation". **Fahal** IH, Yaqoob M, McClelland P, Khalil AA, Ahmad R. XXXth Congress of the European Dialysis and Transplant- European Renal Association. **Glasgow**-UK, September 1993.
15. Soluble E-Selectin in ANCA positive vasculitis. Yaqoob M, **Fahal** IH, et al. XXXth Congress of the European Dialysis and Transplant- European Renal Association. **Glasgow**-UK, September 1993.
16. Bioelectrical impedance in muscular dystrophy patients. "Poster presentation" **Fahal** IH, Hutcheon RC, Edwards RHT. Medical research society. **London**, Autumn 1994.
17. Are biochemical abnormalities in muscles of patients with chronic fatigue syndrome a consequence of entroviral infection? "Poster presentation". McArdle A, Prescott NJ, **Fahal** IH, Jackson MJ, Edwards RHT. Medical research society. **London**, Autumn 1994.
18. Whole Body Biopsy. "Oral presentation". **Fahal** IH, Edwards RHT. Liverpool/North West Neuromuscular Meeting. **Liverpool**, March 1995.
19. Skeletal muscle function in uraemia. "Poster presentation". **Fahal** IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. The UK Renal Association meeting. **Newcastle** – April 1995.

20. Aetiology of fatigue in dialysis patients. "Poster presentation". **Fahal** IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. The UK Renal Association meeting. **Newcastle** – April 1995.
21. Muscle weakness in dialysis patients. "Poster presentation". **Fahal** IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. The XXXIInd Congress of the European Dialysis and Transplant – European Renal Association. Athens – **Greece**, June 1995.
22. Fatigue in dialysis patients: Is it central or peripheral. "Poster presentation". **Fahal** IH, Bell GM, Bone JM, Ahmad R, Edwards RHT. The XXXIInd Congress of the European Dialysis and Transplant – European Renal Association. Athens – **Greece**, June 1995.
23. Muscle weakness in CAPD. "Oral presentation". **Fahal** IH, Ahmad R, Edwards RHT. The 7<sup>th</sup> Congress of International Society for Peritoneal Dialysis. **Stockholm** – June, 1995.
24. Quadriceps muscle function and electrophysiology in dialysis patients. "Poster presentation". **Fahal** IH, Edwards RHT. The XIII International Congress of Nephrology. Madrid – **Spain**, July 1995.
25. Does silicon protect against aluminium toxicity in dialysis patients. **Fahal** IH. The Northwest Association of Physicians, **Warrington**, 1995.
26. Muscle Mitochondrial enzymes abnormalities of dialysis patients are consequence of their reduced habitual activities and depression. "Oral presentation". **Fahal** IH, et al. European Renal Association. **Amsterdam**, June 1996.
27. Muscle histology does not explain the weakness and fatigue in dialysis patients. **Fahal** IH, et al. European Renal Association. Amsterdam – **The Netherlands**, June 1996.
28. Uraemic myopathy: Fact or fiction. **Fahal** IH. The Renal Academic half day; The Royal London Hospital – London February 1998.
29. Low frequency fatigue: a tool for assessing nutrition in dialysis patients. **Fahal** IH. The 9<sup>th</sup> International Congress on Nutrition and Metabolism in Renal Disease. **Vienna** August 29<sup>th</sup>-September 1<sup>st</sup> 1998.
30. Guest speaker: Chronic Kidney Disease, the silent epidemic. The 19th Scientific Conference of the Sudan Association of Physicians, 24-26 February 2004, Khartoum, Sudan.
31. Guest speaker: Renoprotection, Havering PCT GP Forum. 25 March 2004, Romford, Essex.
32. Invited speaker. February 2005k: Quality, Evidence and Clinical Guidelines. Sudan Ministry of Health. February 2005, Khartoum, Sudan.
33. Guest speaker. Hypertension. Shendi University. February 2005 **Shendi**, Sudan.
34. Guest speaker. Chronic Kidney Disease, the transition to cure, University of Gezeria, February 2006 **Madani**, Sudan.
35. Guest speaker. Chronic Kidney Disease, what is new. Harold Wood Hospital Grand round, March 2006.
36. Invited Speaker. The way to Prevention. Arab Society of Nephrology. Amman, **Jordan**, February 2006

37. Invited speaker. A cost effective model for renal services. fMOH/Sudan Doctor Union conference, **Leicester** April 2006.
38. Guest Speaker. CKD Guidelines. Havering GPs Forum, Romford August 2006.
39. Invited Speaker. Addressing subspecialty access problems through training system reforms. The First Sudan Medical Specialization Board conference. Khartoum, November, 2006.
40. Invited Speaker. CPC cases. The First Arab Nephro-pathological conference. 11-17 January 2007, Aswan, **Egypt**.
41. Invited Speaker. Diabetic nephropathy. The First Arab Nephro-Pathological conference. 11-15 January 2007, Aswan, **Egypt**.
42. Guest Speaker. Hyperlipidaemia and the Kidney. The African Association of Nephrology (AFRAN) 9th Congress & the Sudanese Society of Kidney Diseases and Transplantation (SSKDT) 2nd Congress. 2-5 February 2007, **Khartoum**, Sudan.
43. Guest Speaker. Managing CKD in Primary Care. Newham GPs Forum, Neweham University Hsoiptal April 2007.
44. Guest Speaker. Recent advances in nephrology. Board Lecture, Sudan Medical Specialization Board. 4 May 2007, Khartoum, Sudan.
45. Invited Speaker. Chronic Kidney Disease, Management and referral guidelines. Barkantine Practice, 30 April 2008 London.
46. Invited Speaker. Chronic Kidney Disease, when to refer to secondary care. East London GP practice 14 May 2006, London.
47. Invited Speaker. Uraemic myopathy; Putting it all together. Grand round, Queen's University Hospital. 13 June 2008, Romford.
48. Invited Speaker. A systematic Diabetes Renal service is better for patients and clinicians. Havering PCT Forum, Palm Hotel. February 2009, Romford.
49. Invited Speaker. A systematic Diabetes Renal service is better for patients and clinicians. Grand round, Queen's University Hospital. March 2009, Romford.
50. Guest speaker. Controlling diabetes mellitus by targeting the kidney. The 22 Scientific Conference of the Sudan Association of Physicians, Khartoum 3-7 February 2010.
51. Invited Speaker. Sudan Medical Education: Future projection. The Sudanese Medical Association UK Academic Conference. **Royal College of Physicians of London**. 24 June 2010 London.
52. Invited Speaker. Uraemic myopathy – fact or fiction. Department of Nephrology and Hypertension Grand Rounds. The **Cleveland Clinic, Cleveland, Ohio, USA**. 15 November 2010.
53. Invited Speaker. Uraemic sarcopenia. Barking Havering and Redbridge University Hospitals annual Research and Development conference. **Romford**, Essex 16 November 2011.

54. Continuous Professional Development. Acute Kidney Injury. InterHealth Canada Hospital, Providencials, Turks and Caicos Islands, the **Caribbean**, 22 December 2011.
55. Continuous Professional Development. Diabetic nephropathy. InterHealth Canada Hospital, Providencials, Turks and Caicos Islands, the **Caribbean**, 3 January 2012.
56. Invited speaker. Uraemic sarcopenia, causes and implications. The 25 Scientific Conference of the Sudan Association of Physicians, **Khartoum** 18-20 February 2012.
57. Managing diabetes in the failing kidneys. Grand Round, AlRayan Hospital, Suliman AlHabib medical Group, Riyadh, **Saudi Arabia** 7 January 2013.
58. Uraemic sarcopenia; A new name in nephrology. Grand Round, AlRayan Hospital, Suliman AlHabib medical Group, Riyadh, Saudi Arabia, 27 May 2013.
59. Knowledge transfer and brain gain – Sudan experience. Global Health Forum, Queen Mary University of **London** 21 January 2014.
60. From West to East and the Arabian Nights “12 month sabbatical experience in Saudi Arabia. Grand round, medical department, Queen’s hospital, Romford, 15 May 2014.
61. Diabetic nephropathy. Lime Tree Medical Centre, Leyton, London 16 July 2014
62. Clinical Audit “cardiovascular complications in CKD patients”. Grand round, medical department, Queen’s hospital, Romford, 11 September 2014.

## **REFERENCES**

On request