



*Dr. Raheel Shariff*

Curriculum Vitae

Personal details	<p>Mr. Raheel Shaif</p> <p>GMC No: 6066595</p> <p>Address: Bin Mahfouz Compound, Al Hamra, Jeddah</p> <p>Citizenship: British</p>
Subspecialty skills offered	<ul style="list-style-type: none"> <li>• Comprehensive tertiary level specialist foot and ankle service.</li> <li>• Management of routine and complex trauma in a Level 1 tertiary University Hospital Major Trauma centre</li> </ul>
Postgraduate education	<p>MOH Registration – 18-J-M-0007394</p> <p>GMC Registration (UK) - 6066595</p> <p>FRCS Trauma &amp; Orth - November 2012</p> <p>Intercollegiate MRCS, Royal College of Surgeons of Edinburgh – April 2006</p>
Undergraduate education	<p>M.B.B.S. at The St. John’s Medical College, Bangalore, India 1997 – 2002</p>

#### Awards:

Best Presentation prize – ‘8 Plate Procedure for Correction of Fixed Flexion Deformities of the Knee Joint in Cerebral Palsy’ Regional SpR presentation at the Alder Hey Alumni Meeting, December 2006

Best Trainee Paper – Postural changes to capillary microcirculation in the perioperative period in patients undergoing foot and ankle surgery SICOT Meeting, Havana, Cuba, October 2004.

## Professional experience

### **Current Job:**

Consultant Trauma & Orthopaedic Surgeon with a Special Interest in Foot & Ankle Surgery – November 2017 to present - International Medical Centre, Jeddah

Orthopaedic Residency Training Programme Director – April 2018 to present at International Medical Centre, Jeddah

### **Previous Job**

Consultant Trauma & Orthopaedic Surgeon with an interest in Foot & Ankle Surgery – February 2015 to November 2017

Manchester Royal Infirmary, Central Manchester University Hospitals NHS Foundation Trust

### **Job Description:**

1. Consultant Orthopaedic Surgeon in a Level I Major Trauma Centre which is a Tertiary University Hospital. (which requires expertise in dealing with all types of injuries including poly trauma cases)
2. Supervise and undertake weekly trauma lists where I cover all types of trauma both upper and lower limb, including circular frames for complex peri articular fractures and RTA's/major poly traumas. I supervise the training of Registrars and Senior House Officers during these lists.
3. Responsible for the management of both trauma and elective patients admitted under my care.
4. Oversee teaching and supervision of Speciality Registrars and senior house officers – involves their training in performing operative procedures and decision making in clinics besides didactic lectures and work place assessments.

### **Sub specialty Interest:**

#### **General & Complex Trauma:**

Besides management of general trauma both upper and lower limb, I am experienced in the use of circular frames for complex periarticular fractures of the lower limb.

Special interest in foot and ankle trauma including calcaneal fractures, Lisfranc injuries and Pilon fractures

#### **Foot & Ankle Surgery:**

I offer expertise in the management of acute trauma and tertiary reconstruction of severe and complex foot and ankle deformities

Forefoot surgery - bunions, lesser toe deformities

Arthroscopy - ankle and hallux including ligament reconstruction and ankle fusion

Ankle arthritis - I have been extensively trained in ankle arthroplasty and performed as first surgeon 20 ankle replacements on fellowship (this experience is significantly greater compared to my contemporaries in the UK).

Deformity correction - I have a specific interest in the Charcot foot and the cavovarus foot deformity, including tendon transfers.

Achilles tendon and Plantar fascia disorders - PRP injections, shock wave therapy and surgical management including allograft reconstruction

### **Fellowship Experience:**

*Fellowship in Limb reconstruction: 01/08/14 – 31/01/14*

Royal Liverpool University Hospitals, Limb Reconstruction Unit

This involves working as a fellow in a tertiary referral unit for complex deformity correction and complex trauma. I have gained experience in frames and open fracture management.

*Foot & Ankle Fellowship: 01/07/13 - 31/12/13*

Under Dr Mark S Myerson at the Institute for Foot and Ankle Reconstruction at Mercy. Baltimore, USA.

I had full operating privileges and performed over 300 foot and ankle operations on this fellowship.

Published and presented several peer reviewed papers.

Set up and successfully completed 3 research projects including cadaveric studies.

We were a multidisciplinary team of four consultants, four residents, podiatrists and a physician's assistant. I appreciate and understand the dynamics involved when such a team provides foot and ankle care at a tertiary level.

## Specialty Registrar Training

Dates	Grade	Hospital
Jan'14 July'14	- ST8 for Mr C Butcher & Mr L Verstraten (Foot & Ankle and Lower limb arthroplasty)	University Hospital Aintree
Feb'13 June'13	- ST7 for Mr K Saldanha ( Foot & Ankle and Limb recon)	Whiston Hospital NHS Trust
Aug'12 Feb'13	- ST7 for Mr C Walker & Mr Sirikonda ( Foot & Ankle)	Royal Liverpool Univeristy Hospital
Feb'12 July'12	- ST6 for Mr L James & Mr S Nayagam (Paediatric orthopaedics)	Alder Hey Hospital
Aug'11 Jan'12	- ST6 for Mr B Pennie (Spine)	University Hospital Aintree
Feb'11 Aug'11	- ST5 for Mr Casaletto (Upper Limb)	Wirral Hospitals
Aug'10 Feb'11	- ST5 for Mr M Karski (Foot & Ankle)	Wrightington Hospital
Feb'10 Aug'10	- ST4 for Mr A Santini (Knees)	Royal Liverpool University Hospital
Aug'09 Feb'10	- ST4 for Mr Pidikiti (Upper limb)	Whiston Hospital NHS Trust
Feb'09 Aug'09	- ST3 for Mr MR Cope (lower limbs)	Southport & Ormskirk Hospital NHS Trust
Aug'08 Feb'09	- ST3 for Mr E Jago (Knees)	Whiston Hospital NHS Trust
Feb'08 Aug'08	- Registrar (LAS) for Mr. Montgomery & Mr. Barton Hanson	University Hospital Aintree

Early Years of Surgical Training Pilot Rotation (ST1,ST2, FTSTA)

Mersey Deanery Rotation – Liverpool UK

06/08/05 - 05/02/08

This included rotations in General Surgery (6 months) and Orthopaedics (18 months) at the University Hospital Aintree and Wirral University Teaching Hospitals.

Foundation Year 2, Mersey Deanery Rotation – Liverpool UK  
04/08/04 - 05/08/05

## Publications

Contributing author to:

‘How to succeed in the FRCS T&O Part 1 Exam’, BPP Publishers. Written chapter on upper limb MCQ’s (2011).

Invited author to – The Foot & Ankle Clinics of North America (details listed below) .

## Full papers published:

1. Prevalence of metatarsus adductus in patients undergoing hallux valgus surgery. Foot and Ankle International. Sept 2014. AA Aiyer, **R Shariff**, J Schub, Ying Li, M Myerson.
2. The management of infection following total ankle replacements: demographics and treatment. Foot & Ankle Int. Sep 35(9). Myerson MS, **Shariff R**, Zonno Aj.
3. The utility of resection of the fifth metatarsal in the management of the severe cavovarus deformity correction. Foot and Ankle International. 2014 Apr 7;35(6). R Shariff, E Palmanovich, M S Myerson
4. Rheumatoid forefoot reconstruction: outcome of the first MTP joint arthrodesis and Stainsby procedure in the lesser toes. Bass EJ, **Shariff R**, Sirikonda SP. Foot (Edin). 2014 Jun;24(2)
5. The flexible adult flatfoot deformity: Classification and surgical management options. Myerson MS, **Shariff R**. The inaugural ‘Chinese Foot and Ankle Journal’. June 2014.
6. Review article on ‘The mallet toe deformity’ for the North American Foot & Ankle Clinics, Molloy A, **R Shariff** - January 2012
7. Correction of knee flexion contractures in children using the guided growth principle, **R Shariff**, Shivarathre D, Khan A, Bass A, Sampath J. J.Orthopaedics 2011; 8(3)e11

8. Kinematic assessment of hip movement in pick up activity. **R Shariff**, S Panchani, J Moorehead, S Scott. Journal of Orthopaedic Surgery and Research 6:11, Feb 2011.
9. The association between clubfoot and developmental dysplasia of the hip. D Perry, S Tawfiq, A Roche, **R Shariff**, N Garg, L James, J Sampath, C Bruce. Journal of Bone and Joint Surgery (Br), 2010; 92-B;1586
10. The effect of total knee arthroplasty on body mass index – a prospective study. **R Shariff**, M Manickam, O Wainwright, M McNicholas. Journal of Orthopaedic Trauma Surgery and Rehabilitation 2010
11. How good are orthopaedic surgeons at assessing ECG's?, **R Shariff**, F Attar. Journal of Orthopaedic Trauma Surgery and Rehabilitation, 2010
12. The risk of avascular necrosis following chevron osteotomy: A prospective study using bone scintigraphy, **R Shariff**, F Attar, D Osarumwene, R Siddique, G Attar. Acta Orthopaedica Belgica, Vol.75 – 2 – 2009
13. Postural changes to capillary microcirculation in the perioperative period in patients undergoing foot and ankle surgery. F. Attar, D. Selvan, D. Machin, **R. Shariff**, N. Geary, J Foot Ankle Surg 2007 Jul-Aug;46(4):238-41
14. Negative Pyloromyotomy for pylorus stenosis – Is it preventable?, D Mullassery, S Mallapa **R Shariff**, RJ Craigie, PD Losty, SE Kenny and CT Baillie. BMC Paediatr 2008 Sept 24;8(1):37
15. Umbilical pyloromyotomy – Comparison of vertical linea alba and transverse muscle cutting incisions , D Mullassery, **R Shariff**, RJ Craigie, PD Losty, SE Kenny and CT Baillie. J Paed Surg 2007 Mar;42(3):525-7.
16. ‘ The use of osteotomies in the management of Hallux Rigidus’. **R Shariff**, M Myerson. Foot & Ankle Clinics of North America (due September 2015)

#### Submitted:

1. ‘Radiographic Results of First Metatarsophalangeal Joint Arthrodesis for Idiopathic and Recurrent Hallux Valgus’. MS Myerson, R Shariff, PM Ponce, Y Ling. Submitted to JBJS Am March 2015
2. ‘Does hind foot arthrodesis increase the rate of failure of total ankle arthroplasty? A retrospective study’ Palmanovich E, Shariff R, Myerson MS. Submitted to FAI Jan 2014.

## Presentations

### Podium, International:

1. 'Does hindfoot arthrodesis increase the rate of failure of total ankle replacements', American Academy of Foot & Ankle Surgeons, Chicago – September 2014
2. 'Radiographic results of first MTP joint arthrodesis for recurrent and idiopathic hallux valgus', American Academy of Foot & Ankle Surgeons, Chicago – September 2014
3. 'Guided growth principle in correction of knee flexion contractures in children', BOA Meeting, Manchester – September 2009
4. 'Assessment of hip movements while retrieving an object from the floor', 10<sup>th</sup> EFORT Congress, Vienna, Austria – June 2009 (presented by co- author)
5. 'The use of the 8-plate hemiepiphyseodesis for correction of fixed flexion contractures of knees in children with cerebral palsy', 8<sup>th</sup> EFORT Congress, Florence, Italy – May 2007
6. 'The effect of total knee arthroplasty on BMI', 8<sup>th</sup> EFORT Congress, Florence, Italy – May 2007
7. 'The effect of total knee arthroplasty on body mass index – a prospective study', 15<sup>th</sup> European SICOT Trainees Meeting, Prague – September 2006
8. 'Osteochondral fracture of medial malleolus of ankle, an unusual case', 15<sup>th</sup> European SICOT Trainees Meeting ,Prague - September 2006
9. 'Prostatic carcinoma with cervical metastasis, an unusual presentation', 15<sup>th</sup> European SICOT Trainees Meeting, Prague – September 2006
10. 'Umbilical pyloromyotomy – Comparison of vertical linea alba and transverse muscle cutting incisions', Hungarian International Congress of Paediatric Surgery - 2005
11. 'Perioperative changes in the microcirculation in feet following foot and ankle surgery', Mr. F. Attar, Dr. R. Shariff, Dr. D. Selvan, Dr. D. Machin, Mr. N. Geary. 3<sup>rd</sup> International Orthopaedic SICOT Conference, Havana – January 2004 (presented by co – author)

### Podium, National:

1. 'The 8-plate procedure for knee flexion contractures in cerebral palsy patients', British Surgical Society for Cerebral Palsy, Birmingham – November 2006



2. 'Cholangiocarcinoma, a surgical dilemma?', Northwest Hepatobiliary Surgery Surgeons Meeting – January 2006.

#### Podium, Regional:

1. 'Time to theatre for open fractures TARN audit' Whiston Hospital Grand Round – January 2010
2. '8-plate deformity for correction of knee flexion contractures, follow up at 2 years', Regional Alumni Meeting Alder Hey – December 2008.(presented by co – author)
3. 'The association between idiopathic CTEV and DDH', Regional Alumni Meeting Alder Hey – December 2008.(presented by co – author)
4. 'A novel use of the 8 plate for correction of knee flexion contractures', Regional Alumni Meeting Alder Hey – December 2006.
5. 'The 8-plate procedure for knee flexion contractures in cerebral palsy patients', British Society of Childrens Orthopaedic Surgery - January 2007

#### Poster presentations, International:

1. 'Peri-operative changes in the microcirculation in feet following foot and ankle surgery', F. Attar, R. Shariff, D. Selvan, D. Machin, N. Geary. European Orthopaedic Research Society 2004 Meeting, Amsterdam, Netherlands – November 2004
2. 'Perioperative changes in the microcirculation in feet following foot and ankle surgery', F. Attar, R. Shariff, D. Selvan, D. Machin, N. Geary. 5<sup>th</sup> Combined Meeting of the Orthopaedic Research Societies, Banff, Alberta, Canada – October 2004.
3. 'How good are orthopaedic surgeons at assessing ECGs?', F. Attar, R. Shariff. 3<sup>rd</sup> SICOT/SIROT Annual International Conference, Havana, Cuba – September 2004.

#### Poster presentations, National:

1. 'Assessment of hip movements while retrieving an object from the floor', R Shariff, S Panchani, J Moorehead, S Scott. British Hip Society – March 2009
2. 'Assessment of hip movements while retrieving an object from the floor', R Shariff, S Panchani, J Moorehead, S Scott. British Orthopaedic Research Society – June 2009

## Professional Courses:

Invited Faculty – Foot & Ankle educational programme, Ningbo, China – March 2018

Invited Faculty – Blackburn Forefoot cadaveric course – October 2014 -2016

Invited Faculty – Liverpool FRCS (Tr & Orth) course, Royal Liverpool Children’s hospital – August 2014

Invited Faculty - Manchester Cadaveric Hindfoot course – June 2017- 2014

Truelok & TL Hex circular frame Clinical Forum, Texas Scottish Rite Hospital, Dallas, USA – May 2015

Minimally Invasive Foot & Ankle Surgery Course Wright Medical, Brighton – June 2015

ATLS refresher course, George Eliot Hospital, Nuneaton - March 2014

Medical Leadership and Management skills, ISC Medical, London - February 2014

Cadaveric course for foot and ankle fellows, Baltimore - September 2013

Cadaveric foot and ankle course, Manchester - June 2013

Wrightington Upper Limb course - October 2012

Warwick Basic science course - October 2012

BLRS Principles of deformity correction, Hull - May 2011

Distraction Osteogenesis AO Course, Luton - March 2011

9<sup>th</sup> Oswestry Foot & Ankle Course, Robert Agnes Hunt Hospital, Oswestry – December 2010

Current concepts in Foot & Ankle Trauma Management, Selzach, Switzerland – December 2010

Teeside Upper Limb Fracture Management Course – April 2010

Tibia Masterclass, Frame,Nail or plate – the unresolved problem, RCSEng – April 2010

Faculty – ST Interview Skills course, DevelopMedica, London – January 2010

Wilderness Mountain Medicine Course, Morrocco – October 2009

Primary Total Knee Arthroplasty, Royal National Orthopaedic Hospital, Stanmore – May 2009

Corail Hip Registrar course, Stafford – April 2009

Principles of External Fixation, Royal National Orthopaedic Hospital, Stanmore – November 2008

AO Principles of Fracture Fixation, Royal College of Surgeons of Ireland, Dublin – January 2008

12<sup>th</sup> Annual Principles of fracture management Course, University of Leicester – November 2006

Primary Hip Arthroplasty Course, Royal National Orthopaedic Hospital, Stanmore – November 2006

Intramedullary Nailing Course, Dundee – November 2006

Clinical Research for Surgeons Course, Royal College of Surgeons of England – October 2006

Basic Surgical Skills (Royal College of Surgeons of England) Manchester – January 2005.

Advanced Trauma Life Support Provider (Royal College Of Surgeons of England of England) Whiston – July 2004.

Course on Communication skills/Breaking bad news, Merseyside Deanery, Arrowe Park Hospital, Liverpool - October 2003

## Research Experience

Completed Research projects:

**1. *'The role of postural changes in capillary microcirculation in the perioperative period in foot surgery'* F.Attar, R.Shariff, D.Selvan, D.Machin & N. Geary - Arrowe Park Hospital, October 2003.**

This research project was set up following the senior author's observation that it takes 48 hours for the microcirculation in feet to normalize following foot surgery. This was assessed using a Doppler flowmeter pre-operatively and post-operatively, and the time taken for the microcirculation to normalize was recorded.

I was involved along with the principle researcher in setting up the whole project and this included; performing a literature search, gaining ethics committee approval, designing the protocol, structuring the consent forms and the proformas and finally collecting the data and analysing the results. This culminated in a full paper which has been published in the Journal of Foot & Ankle Surgery.

**2. 'Kinematic Assessment of Hip Movements whilst bending to pick an object from the floor'** R Shariff, S Panchnani, J Moorehead, S Scott - Department of Orthopaedic Research, University Hospital Aintree, September 2007.

Following hip replacement surgery, patients must restrict the range of exaggerated movements of their operated hip for the initial few weeks, to avoid risk of dislocation. During this period one potential activity of daily living which can put the hip at risk of dislocation is picking an object from the floor. This study aimed to assess the flexion and rotation at the hip joint in normal subjects, whilst adopting different postures of picking an object from the floor, ascertaining which posture minimizes the amount of exaggerated hip movement. This information was then used to correlate which posture reduces the risk of dislocation. We obtained ethics approval and completed the study, with 50 hips being measured. This has been presented at EFFORT 2009. This study culminated in a paper which has been published in the Journal of Orthopaedic Surgery and Research in 2011.

### Research projects:

As Principal Investigator

***The recurrence of hallux valgus due to metatarsus adductus, a radiographic study:***

R Shariff, A Aiyer, L Ying, M Myerson. Institute for Foot & Ankle Reconstruction at Mercy, Baltimore, USA. September 2013

This is a large study looking at the incidence and demographics of metatarsus adductus in a total of 800 patients who have been treated surgically for hallux valgus. We aim to define the incidence of metatarsus adductus, recurrence of hallux valgus following corrective surgery in this patient group and determine prognostic factors radiographic/clinical which may contribute to recurrence. We have so far collected and analysed data on 800 patients. The abstract has been submitted for the AOFAS summer meeting 2014.

***Mortons neuroma: a cadaveric, radiographic and histopathological study:***

R Shariff, A Aiyer, M Myerson. Institute for Foot & Ankle Reconstruction at Mercy, Baltimore, USA. October 2013

We are studying the contributory factors which cause a Morton's neuroma. We believe there is a strong mechanical component to the development of a neuroma, although this has not been proven. Our study aims to correlate anatomic, radiographic and histopathological findings which may contribute to the lesion. 9 cadaveric specimens have been dissected and are currently undergoing histopathological study to isolate the degree of degenerative changes with respect to the position of intermetatarsal ligament.

***Midfoot bone block allograft fusion study***

R Shariff, A Aiyer, M Myerson. Institute for Foot & Ankle Reconstruction at Mercy, Baltimore, USA. November 2013

To determine the results of the midfoot distraction bone block in patients. Successful union, contributing factors to nonunion and pain scores will be assessed. Data collection is complete and the results are being written up.

### Quality Improvement Projects and Audits:

I have set up and successfully completed the following audit projects. All the audit projects have been presented at the Departmental monthly audit meetings in the respective hospitals. Eight of these are listed below.

1. 'Reaudit of assessment of inappropriate MRI ordering prior to referral by MCAS physiotherapists', R Shariff, A Bowey, B Pennie (University Hospital Aintree, June 2014). I closed the loop on a previous audit I had initiated by re auditing the quality of appropriateness of MRI scan requesting by MCAS physics. This showed an improvement in practise as only 20% of requests were inappropriate as opposed to 35% , which was the case 3 years ago.
2. 'The utility of resection of the fifth metatarsal base in the severe rigid cavovarus foot associated with neuromuscular imbalance', R Shariff, M Myerson (IFAR Baltimore, Oct 2013)This was a retrospective audit of practise, looking at the clinical and radiographic outcome of patients with an underlying neuromuscular problem with a cavovarus foot who underwent a resection of the fifth metatarsal. Case notes were reviewed and radiographs were studied. All patients had complete symptomatic improvement following this procedure.This is a novel technique, not described previously. This has been published by FAI.
3. 'Infected total ankle replacements: demographics and treatment', R Shariff, Myerson MS, A Zonno (IFAR Baltimore, May 2013). This was an audit of practice. We found 613 primary and revision total ankle replacements were performed. Fifteen deep infections occurred at our institution and four presented from outside hospitals. These 19 cases included fifteen late chronic infections, three early postoperative infections, and one acute hematogenous infection. Prosthesis salvage was attempted in the latter four; however, all patients required removal of the prosthesis.
4. 'Assessment of inappropriate MRI ordering prior to referral by MCAS physiotherapists', R Shariff, B Pennie (University Hospital Aintree, October 2011). Audit showed that 35 percent of MRI scans requested by physios prior to clinic referral were unnecessary. *This lead to a change in clinical practise.* The findings were presented to the physiotherapists and we have now stopped MRI requests being made at the MCAS clinic.

5. 'Reasons for delay in patients undergoing surgery for fracture neck of femur' R Shariff, J Moorehead, S Blackley, S Scott (University Hospital Aintree, Sept 2011). The aim of this audit was to identify the number of patients who had surgery delayed more than 36 hours and failed to reach Best Practice Tariff (BPT), and the reasons for this delay. Close to 50% of the patients had their surgery delayed due to lack of theatre time. My findings helped to set up a business case for the procurement of a fracture table.
6. 'Distal radius fracture fixation - Audit of radiographic outcomes, R Shariff, J Casallego (Wirral Hospitals NHS Foundation Trust, May 2011). Audit was done to assess the quality of radiographic correction in distal radius fractures which were fixed with velar locking plates. It was found that 25 of the 30 patients looked at had achieved a satisfactory correction.
7. 'Time to theatre in Open Fractures TARN Audit', R Shariff, P Pidikiti (Whiston Hospital NHS Trust, December 2009). Carried out to assess time taken for patients presenting with open fractures to reach theatre. We were found to be within the national average and the loop was closed on this audit. Clinical changes were implemented based on this audit to conform to new guidelines.
8. 'The 8-plate procedure for the correction of fixed flexion deformities in children with CP', R Shariff, A Khan, J Sampath, A Bass (RLCH, Alder Hey, December 2008). Our centre is the first in the country to use this technique. We carried out a follow up to a previously conducted audit to look at the efficiency of the 8-plate technique. A retrospective study of results on a total of 46 limbs was done. The mean correction was 21.5° over a 17 month follow up period. This audit has been presented at national and regional meetings. It culminated in being published in J. Orthopaedics in 2011.

### Management Experience:

#### *Initiation & Set up of a Foot & Ankle MDT:*

Central Manchester University Hospitals NHS Foundation Trust, 2015

I have initiated and successfully set up a foot & ankle multidisciplinary team meeting on a monthly basis. The meeting is attended by other consultants, senior specialist physiotherapists, podiatrists and an academic post doctoral fellow from the University of Manchester. It provides a forum where we meet as a group, discuss challenging cases, management approaches and any issues we might be facing as a unit be it outpatient or inpatient and how best to solve them.

#### *Trauma database Initiation and set up:*

St Helens & Knowsley Teaching Hospitals NHS Trust, 2009

University Hospital Aintree Foundation Trust, 2010

Having realized that the orthopaedic handover in our hospital was not effective, with patients being missed out on post take ward rounds, I realized the need for a formal live trauma database. I successfully developed a trauma database with our local IT team. I then presented this database at our departmental meeting. The clinical director agreed to the use of this database. This was then set up on our hospital intranet with access to the orthopaedic staff. All trauma admissions are now made through this database. This database is now used to generate automatically the list of patients for ward rounds and the 'trauma theatre lists'. It has been used for the last 3 years at two different hospitals in our region. The data collected has also been used by our regional registrars for clinical audits.

***Successful business case for fracture table procurement:***

University Hospital Aintree NHS Foundation Trust, 2011

I have made a successful business case for the procurement of a fracture table at University Hospital Aintree in 2010. We felt that patients with fracture neck of femurs were having their treatment delayed due to lack of theatre resources. I looked at the reasons for delay in treatment and found that lack of a fracture table in our elective theatres was preventing us from using theatre time adequately to treat these patients. This information was presented to the management and culminated in a successful procurement of a fracture table.

## Teaching Experience

I find medical teaching both rewarding and a learning experience for myself. I have been fortunate to have had many opportunities to develop my teaching skills to a diverse variety of groups. As a Consultant attached to a University Teaching Hospital, I have been responsible for the training of orthopaedic trainees (registrars, SHO's and F1/F2 doctors). I supervise orthopaedic registrars operating in the OR and also have an orthopaedic registrar and SHO attached to me for training purposes both in clinic and elective operating.

Royal College of Surgeons *Accredited Clinical and Educational Supervisor* for Orthopaedic Programme Trainees – 2017 to date

· Invited Faculty –

Short term Foot & Ankle Fellowship programme, Ningbo, China  
– March 2018

9<sup>th</sup> Shanghai Annual Orthopaedic Foot & Ankle Conference –  
Keynote invited Speaker – March 2018

British Orthopaedic Association F&A course – Jan 2017

Manchester Cadaveric Hindfoot course – 2013,2014

Blackburn Cadaveric Forefoot course - 2014

Liverpool FRCS (Tr & Orth) course - 2014 (highest score given amongst faculty to me by trainees during feedback survey)

- **Examiner for Regional FRCS clinical preparation programme -**
  - o Royal Liverpool & Broadgreen University Hospital - 2013, 2014
  - o University Hospital Aintree - March 2014
  - o St Helens & Knowsley Teaching Hospitals - March 2014
- Intercollegiate MRCS viva and clinicals - took regular sessions for SHO's at University Hospital Aintree, all of whom passed the exam - March 2014
- Taught on ST Interview Skills Course (Developmedica Ltd), London - 2011
- Organised and run the 6 monthly weekly teaching schedule for SpR's and SHO's at Southport & Ormskirk Hospital - 2009.
- Written chapter on upper limb MCQ's in MCQ's for FRCS Orth.

### **Interest and Activities**

Golf, squash, scuba diving.