

Mr. Mark Frame

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MBChB MRCS Glasg. FRCS Glasg. (T&O)

Curriculum Vitae



**Name:**  Mark C Frame

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**Marital Status:** Married

**Nationality:** British

**GMC Registration:** 6073559 - CCT June 2014

**Medical Indemnity Number:**  MDDUS: M162852

Medical Legal Practice

I am a substantive NHS consultant working within a large university teaching hospital which is a major trauma centre and tertiary referral centre for the south coast of England. I have a specialist interest in trauma and complex knee surgery. I am published in peer-reviewed journals and have presented both nationally and internationally. I have undertaken and continue to undertake travelling fellowships with world experts in orthopaedics and trauma to create links and to advance my understanding and improve my patient care. These include Parkland Hospital Dallas, Harvard’s Massachusetts General Hospital in Boston, Ortho-Lyon Clinic France and this year the Mayo Clinic in Rochester.

I have undertaken the preparation of medical reports for the last 6 years, initially as a specialist registrar and now as a consultant orthopaedic surgeon. I have attended Bond Solon for training in medical legal reports and continue to update my training annually.

I undertake active research in trauma and orthopaedics and regularly audit my practice to ensure the highest standard of care. I am also the lead for venous thrombo-embolic events and treatment for orthopaedics in University Hospital Southampton and the Spire Hospital Southampton.

I provide an opinion based on up to date research and analysis of it.

I will see clients at a number of venues at the request of the instructing parties. Most appointments are arranged within two weeks, urgent appointments can be accommodated and appointments in the evenings can be arranged. All reports are completed within 5 to 10 working days once all the records are available. Urgent report requests can be sent via E-mail preceding the actual written report if requested.

summary of Qualifications

* 2018 Bond Solon – Excellence in Report Writing
* 2014 ATLS Provider Course
* 2014 Completion of Higher Surgical Training Program (CCT) – 31st July 2014
* 2012 FRCS Glasg. Tr&O
* Part 1 - June 2012
* Part 2 - November 2012
* 2007 MRCS Glas.
* 1997-2003 MBChB University of Aberdeen

Post graduate training

**PRHO – 2003 Glasgow Western Infirmary – Anaesthetic & Critical Care**

**SHO – 2004 Glasgow Western Infirmary – Dr. Sam Perry – Emergency Medicine**

**SHO – 2004/05 Hairmyres Hospital – Mr. Alberto Gregori – Arthroplasty & Trauma**

**SHO3 – 2005/06 Inverclyde Royal Hospital – Mr. Mike Reidy – General & Vascular Surgery**

**SHO3 – 2006/07 Inverclyde Royal Hospital – Mr. Mike Di Paola – Arthroplasty & Trauma**

**StR2 – 2007/08 Stirling Royal Infirmary – Mr. Mike Hendrix – Arthroplasty & Trauma**

**Hairmyres Hospital – Mr. Alberto Gregori – Lower Limb Arthroplasty & Computer Assisted Navigation**

**StR3 – 2008/09 Wishaw Hospital – Mr. Headley Easter – Lower Limb Arthroplasty**

**Southern General Hospital – Mr. Colin Walker – Soft Tissue Knee & Arthroscopy**

**StR4 – 2009/10 RHSC – Ms. Claire Murnaghan – Paediatric Trauma & Brachial Plexus**

**Southern General Hospital – Mr. Mike Hullin/Mr. David Allan – Foot & Ankle, Trauma & Spinal injuries**

**StR5 – 2010/11 Monklands Hospital – Mr. Ian McLeod – Foot & Ankle**

**Crosshouse Hospital – Mr. Bruce Thomas – Upper Limb & Trauma**

**StR6 – 2011/12 Glasgow Royal Infirmary - Mr. Bryn Jones – Lower Limb**

**Arthroplasty, Pelvic & Acetabular Trauma**

**Forth Valley Royal Hospital - Mr. Alistair Preiss – Lower Limb**

**Arthroplasty & Trauma**

**StR7 – 2012/13 Victoria Infirmary Glasgow – Mr. Clark Dreghorn – Upper Limb**

**University Hospital Ayr – Mr. Kenneth Young/ Mr. James Press – Lower Limb Arthroplasty & Trauma**

**StR8 – 2013/14 Western Infirmary Glasgow – Mr. William Leach – Lower Limb Arthroplasty**

**& Soft Tissue Knee**

**StR8 – 2013/14 Glasgow Royal Infirmary – Mr. Mark Blyth – Lower Limb Arthroplasty**

**& Soft Tissue Knee**

**Aug 2014/15 Zimmer Knee Fellow - Southampton General Hospital –Prof. David Barrett & Mr. Philip Chapman-Sheath**

**Complex Lower Limb Trauma**

**Primary & Revision Knee Arthroplasty**

**Soft Tissue Knee Surgery**

This fellowship year was focused on increasing my exposure to complex primary, including uni-compartmental arthroplasty including patellofemoral replacements, revision and soft tissue knee surgery with a particular focus on patellofemoral realignment surgery.

The fellowship was very well supported and provided extensive operating experience including regular independent operating lists, allowing development of my organisational and management skills. I have completed over 350 knee surgeries in this period.

Southampton General Hospital is part of the trauma network for the region and has recently gained major trauma centre status. As the knee fellow I had dedicated independent trauma operating lists for complex lower limb trauma, in particular periprosthetic fractures and to play an integral role as a member of the trauma team for the hospital.

I consolidated my teaching skills by leading a weekly teaching session with the higher surgical trainees for FRCS preparation as well as formal teaching sessions for the University of Southampton medical students.

I continued my strong research interests during this post with an international podium presentation, 2 articles submitted for peer review and 2 on going projects in conjunction with the University of Southampton on 3D printed ACL guides and the University of Glasgow on cartilage cell biology in knee arthroplasty.

This fellowship also allowed us to enjoy a year close to our families who all live in Hampshire, London and Kent. This was particularly important as we had our second child during this year.

**Aug 2015/16 Locum Consultant – Aberdeen Royal Infirmary**

**Primary & Revision Knee Arthroplasty**

**Patellofemoral Realignment Surgery**

**Soft Tissue Knee Surgery**

**Trauma**

I undertook a locum consultant appointment at Aberdeen Royal Infirmary, which is one of the largest single site hospitals in the UK. It is a university teaching hospital serving the north east of Scotland with a very large and challenging geographic area.

My practice is focused on knee surgery with a particular interest in complex primary and revision knee arthroplasty and patellofemoral realignment surgery.

I undertook a travelling fellowship to Dr David Dejour in Lyon, and was lucky enough to be involved in a particularly challenging and unique trochleoplasty case, that I was given the opportunity to write up and eventually submit for publication.

Aberdeen Royal also had excellent support for continuing my research interests in to 3D printing, and I have successfully had my projects accepted for 2 international podium presentations on custom ACL 3D printed guides in Bristol for EORS and Vienna for ISTA

**Current Substantive Consultant – University Hospital Southampton**

**Primary & Revision Knee Arthroplasty**

**Patellofemoral Realignment Surgery**

**Soft Tissue Knee Surgery**

**Complex Trauma Reconstruction**

Travelling Fellowships

* **Travelling Trauma Fellowship - June 2011**
* **Massachusetts General Hospital/Harvard Medical School, Boston, Massachusetts**
  + **Dr. David Ring, Mr. Malcolm Smith**

I was honored to be given the opportunity and invitation from Dr. David Ring and Mr. Malcolm Smith to visit and observe at Harvard Medical School’s Massachusetts General Hospital.

During my visit I attended all aspects of the patient care pathway from their admission through the ED through to the decision making at the trauma meeting, the ultimate management in theatre, and thereafter in rehabilitation and discharge back into the community.

I was also lucky enough to see the famous Ether Dome, the site of the first inhaled anaesthetics in the USA in 1846 and the remaining original building of Massachusetts General Hospital.

It was valuable and important to experience orthopaedics in one of the world’s best centres; the similarities and the differences. I took a great deal away with me to apply to my own learning and progression, as well as to our practice in the UK. I have made some valuable links and friends, with whom I keep in touch with.

* **Royal College of Physicians & Surgeons Glasgow Travelling Trauma Fellowship – May 2013**
* **UT Southwestern Hospital, Dallas, Texas**
  + **Prof. Adam Starr**

I was awarded the RCPS Glasgow College Travelling Fellowship in 2013, which allowed me to visit and spend 4 weeks in the level 1 trauma centre serving the Dallas-Fort worth metroplex in Texas. During my stay I had the opportunity to work along side Prof. Adam Starr, an innovative full time trauma surgeon. During the fellowship I assisted in many trauma procedures and in particular complex pelvic and acetabular surgery. This allowed me experience in the Starr Frame and percutaneous acetabular fixation techniques first described in the literature by Prof. Starr. I spent time working alongside the residents, both in theatre and in the Emergency Department. I was made to feel very welcome and very much part of the team. It was an incredibly valuable experience and I have taken many of the skills I have learnt back to the UK. I have established some strong friendships and important links for our region. As a result of these links the Glasgow Meeting of Orthopaedic Research 2014 had 3 internationally renowned surgeons from Dallas as our guests and speakers.

* **Soft Tissue Knee Travelling Fellowship – 9th-20th March 2015**
* **Lyon-Ortho-Clinic, Clinique de la Sauvegarde Lyon – France**
  + **Dr. David Dejour**

Dr. David Dejour was trained at the Faculty of Medicine Lyon Sud in 1982. He holds a master biomechanics and anatomy and a DEA in Biological Engineering Mechanics. He spent eight months in the USA in 1993 to complete his training in knee surgery and then specialised in sports trauma and patellofemoral joint conditions. He has published many articles on the biomechanics and treatment of patellar instability.

After meeting Dr. Dejour recently and discussing my interest in patellofemoral surgery, in particular trochleoplasty and MPFL reconstructions, he invited me to visit to observe and to operate with him in March of 2015. This is a unique opportunity and something that will both expand my surgical skills and allow me to enhance my future practice and improve patient care.

Publications - Abstracts & original Articles

* **3D-Printed Patient-Specific ACL Femoral Tunnel Guide from MRI.** Rankin, Iain, Haroon Rehman, and Mark Frame. “ The Open Orthopaedics Journal 12 (2018): 59–68. PMC. Web. 25 Mar. 2018.
* **Water-based lubricant as an adjunct to wound toilet: Validation of a technique by experiment**

Rehman, Haroon , M Frame, Injury , Volume 47 , Issue 8 , 1798 – 1800, 2016.

* **Low Cost Orthopaedic Implant Trials Created Using 3d Printing Technology.** M. Frame, Bone Joint J 2016 vol. 98-B no. SUPP 1 134
* **A Novel Method Of Preventing Embedded Metal Debris When High-Speed Burring Of Metal**, M Frame, K.B. Ferguson and B Jones Bone Joint J 2014 vol. 96-B no. SUPP 7 4
* **DIY 3D Printing of Custom Orthopaedic Implants: A Proof Of Concept Study** M C Frame, Bone Joint J 2014 vol. 96-B no. SUPP 11 322
* **DIY 3D Printing of Custom Orthopaedic Implants: A Proof of Concept Study.** M C Frame, W J Leach, Journal of Surgical Technology International, January 2014, Vol. 25.
* **A Novel Technique For Pre-Operative Planning Of Severe Acetabular Defects During Revision Hip Arthroplasty**. N.Sciberras, M.C. Frame, R.G.Bharadwaj, G.Holt, M.A.Khan.Bone Joint J 2013 vol. 95-B no. SUPP 30 63
* **DIY 3D Printing Of Custom Orthopaedic Implants: The Radial Head**. M C Frame. Bone Joint J 2013 vol. 95-B no. SUPP 30 62
* **Rapid Prototyping In Orthopaedic Surgery - A User's Guide** M. C. Frame, J. S. Huntley, J Bone Joint Surg Br Orthopaedic Proceedings June 2012 94-B: 9-9
* **The Fidelity Of Rapid Prototyping For Bone Using The Human Patella As A Test Case** , J. S. Huntley, M. C. Frame, J. McCaul, K. Little, G. J. Irwin, J Bone Joint Surg Br Orthopaedic Proceedings June 2012 94-B: 10-11
* **Rapid Prototyping in Orthopaedic Surgery: A User’s Guide,** M. C. Frame and J. S. Huntley, The Scientific World Journal, Volume 2012, Article ID 838575
* **Plastic Bones Could Save the NHS Thousands of Pounds,** Frame MC, The Operating Theatre Journal, November 2011 9:254
* **Comparison Between Landmark (Point) Acquisition During Navigated Hip Replacement Using An Ultrasound Probe And A Percutaneous Digitiser Probe: A Cadaver Study**. M. O. Mathew, M. C. Frame Et Al; J Bone Joint Surg Br , Sep 2009; 91-B: 401.
* **“The Way I see it…” The Problem with Doctors.** Frame MC, BMJ, 10th March 2006
* **History of the Heart Transplant,** Aberdeen University Medical School Journal, p23. 2002

ONGOING RESEARCH/PROJECTS

* **NIHR Study – Multicentre controlled trial in comparing new agent for VTE prevention.** University Hospital Southampton.

OTHER PUBLICATIONS/BROADCASTS

1. **FallLine Skiing, Magazine** , Knees and Skiing – Regular column on tips for looking after your knees and new treatment options and rehab.
2. **The Printed Object, Onassis Cultural Center, Athens, Greece** – Invited Expert to Exhibit of 3D Printing Research 12th Dec- 20th Jan 2014.
3. **Surgeon 3-D Prints Bones To Save Money, Alex Knapp, Tech,** Forbes Magazine**,** 15th November 2011
4. **Plastic bones could save the NHS thousands of pounds, By Eleanor Bradford,** BBC Scotland Health Correspondent, BBC News Website, November 2011 (http://www.bbc.co.uk/news/uk-scotland-glasgow-west-15535438)
5. **Scottish Surgeon 3D Prints Bones for £70,** BBC Radio 4 National News, 6pm, November 1st 2011
6. **3D Printed Bones on a Budget, BBC Scotland Today National News Feature,** Jackie Bird, November 1st 2011
7. **Guest Interview on Technology Program ‘CLICK’- Medical 3D Printing, BBC World Service.** Oct. 4th 2011. (BBC iPlayer: <http://www.bbc.co.uk/iplayer/episode/p00kfc95/Click_04_10_2011/>)
8. **Featured article: Medical 3D Printing. A new approach**, Shapeways.com. (<http://www.shapeways.com/blog/archives/995-3D-Printing-Bone-on-a-budget!.html>), September 2011

INTERNATIONAL PODIUM PRESENTATIONS

1. **Custom Anatomical 3D Printed Patient Specific ACL Femoral Tunnel Guide From MRI: A**

**Proof Of Concept Study, 1**8th EFORT Congress, Vienna, June 2017. M Frame, I Rankin, H Rehman.

1. **Custom 3D printed ACL Femoral Guides from MRI** – MC Frame, Prof. D Barrett. University Hospital Southampton,ISTA (International Society for Technology in Arthroplasty) October 2015, Vienna.
2. **Custom 3D printed ACL Femoral Guides from MRI – proof of concept study.** – MC Frame, Prof. D Barrett. University Hospital Southampton, EORS (European Orthopaedic Research Society), September 2015, Bristol.
3. **Low Cost Orthopaedic Trials Created Using 3d Printing Technology** – MC Frame. Glasgow Royal Infirmary. ISTA (International Society for Technology in Arthroplasty) – Sept 2014 Kyoto, Japan.
4. **DIY 3D Printing of Custom Orthopaedic Implants**, Frame MC, CORS International, Venice, Italy. November 2013
5. **DIY 3D Printed Orthopaedic Implants - A Feasibility Study**, Frame MC, Edinburgh International Trauma Symposium and Orthopaedic Trauma Society, Edinburgh, Scotland, August 2013
6. **Hands Free Manipulation of X-rays using MS XBOX Kinect Stereoscopic Camera system in a Sterile environment**, Frame MC, Forth Valley Royal Hospital/ Glasgow Royal Infirmary, Computer Assisted Radiology and Surgery - 26th International Congress, Pisa, Italy, July 2012

INTERNATIONAL POSTER PRESENTATIONS

1. **A Novel System For Hands Free Manipulation Of Digital X-rays In A Sterile Environment,** Frame MC, CAOS-International, The International Society for Computer Assisted Orthopaedic Surgery, Seoul, South Korea, June 2012
2. **Landmark Acquisition During Navigated Hip Replacement Using An Ultrasound Probe**; 9th Annual Meeting of CAOS-International, Boston MA, USA, June 2009

NATIONAL & LOCAL PODIUM PRESENTATIONS

1. **A novel method of preventing embedded metal debris when high-speed burring of metal implants using water-based lubrication gel.** Frame MC, Jones B, Ferguson K**.** Glasgow Meeting for Orthopaedic Research, Beardmore Hotel and Conference Centre. March 2014
2. **Hands Free Manipulation of X-rays using MS XBOX Kinect Stereoscopic Camera system in a Sterile environment**, Frame MC, Forth Valley Royal Hospital/ Glasgow Royal Infirmary, Glasgow Meeting for Orthopaedic Research, Beardmore Hotel and Conference Centre, April 2011
3. **Invited Expert on 3D Printing and Rapid Prototyping**, Open source skunkworks at EHI Live, NEC Birmingham, November 2011
4. **3D Printing in Orthopaedics - A DIY Guide**, Frame MC, Huntley J, Glasgow Meeting for Orthopaedic Research, Beardmore Hotel and Conference Centre. April 2011
5. **Ultrasound Guidance for Landmark Acquisition during Navigated THR**. Mathews, MO, Frame MC et al, Glasgow Meeting for Orthopaedic Research. Beardmore Hotel and Conference Centre, 2009
6. **Outpatient Follow up after Elective Hernia Repair**, West of Scotland Surgical Association Annual Meeting, Royal College of Surgeon and Physicians Glasgow, 2007

NATIONAL & LOCAL POSTER PRESENTATIONS

1. **Texas Trauma with Prof. Adam Starr, Parkland Hospital, Trauma Travelling Fellowship Scholarship Report.** The Royal College of Physicians & Surgeons Glasgow Triennial Conference; Advancing Excellence in Healthcare 2014, The Scottish Exhibition and Conference Centre (SECC), June 2014
2. **Hands Free Manipulation of X-rays using MS XBOX Kinect Stereoscopic Camera system in a Sterile environment**, Frame MC, Forth Valley Royal Hospital/ Glasgow Royal Infirmary, Glasgow, Annual West of Scotland Trainees’ Research Meeting, Glasgow University Union, August 2012
3. **DIY 3D Printing of Custom Orthopaedic Implants – A Pilot Cadaveric Study- The Radial Head**, Frame MC, Glasgow Meeting for Orthopaedic Research (GLAMOR), Beardmore Hotel and Conference Centre, April 2012
4. **3D Printing in Orthopaedics - A DIY Guide**, Frame MC, Huntley J. Glasgow Meeting for Orthopaedic Research (GLAMOR), Beardmore Hotel and Conference Centre, April 2011
5. **The Fidelity of Rapid Prototyping for Bone Using the Human Patella as a Test Case**, Frame MC, Huntley JS et al.Glasgow Meeting for Orthopaedic Research (GLAMOR), Beardmore Hotel and Conference Centre, April 2011
6. **3D Printing in Orthopaedics - A DIY Guide**, Frame MC, Huntley J. BOTA AGM, Carden Park Hotel, 2011
7. **3D Printed Models as a Teaching Tool.** Frame MC. BOTA AGM, Carden Park Hotel, 2011

INVITED FACULTY

* **Arthrex Fellows Forum** – Soft Tissue Knee Techniques, Munich, Nov 2018
* **Arthrex Arthroscopic Knee Skills** – Munich, June 2017

PRIZES

1. **West of Scotland Research Grant (£400) GLAMOR 2014** - DHS Training Simulator.
2. **Royal College of Physicians and Surgeons of Glasgow Annual College Travelling Fellowship Award. (£1700)** RCPS Glasgow, 2013
3. **2nd Place Poster - DIY 3D Printing of Custom Orthopaedic Implants – A Pilot Cadaveric Study- The Radial Head**, Frame MC, Glasgow Meeting for Orthopaedic Research (GLAMOR), Beardmore Hotel and Conference Centre, April 2012
4. **2nd Place Poster - The Fidelity of Rapid Prototyping for Bone Using the Human Patella as a Test Case**, Frame MC, Huntley JS et al. Glasgow Meeting for Orthopaedic Research (GLAMOR), Beardmore Hotel and Conference Centre, 2011

AUDIT

1. **Audit of the Implementation of the Virtual Fracture Clinic in to a Major Trauma Centre**, UHS, 2018
2. **Audit of Completion of Appropriate DNACPR forms in Orthopaedic Trauma,** Audit of practice**,**  Aberdeen Royal Infirmary, December 2015.
3. **Time to Theatre of Trauma Patients,** Aberdeen Royal Infirmary, December 2015.
4. **Audit of Protocols & Practice for Investigation and Diagnosis of Possible Infected Joint Arthroplasty Patients**, University Hospital Southampton, December 2014
5. **Leaking Wounds After Knee Arthroplasty And Wound Closure Techniques**, Audit of Practice, University Hospital Southampton, November 2014
6. **Radiological Comparison Of Cement Mantle Around Zimmer Nexgen Total Knee Arthroplasty Tibial Component.** Audit of Practice , University Hospital Southampton, Nov 2014
7. **An Audit of Patient Numbers Attending Fracture Clinic Discharged on First Visit at UHS**, Audit of Practice, UHS, September 2014
8. **Radiological Comparison Of Cement Mantle Around PFC Total Knee Arthroplasty Tibial Component.** Audit of Practice, Western Infirmary, Glasgow, January 2014

TEACHING

1. **Clinical Project Supervisor Year 3 Medical Students**, University of Southampton
2. **Clinical Supervisor for FY1/2 Doctors** – University Hospital Southampton. Current.
3. **Monthly Journal Club**, Lead & Organiser, Aberdeen Royal Infirmary. 2015-16
4. **Teaching Knee Clinics for FY1/2s**, Royal South Hants Hospital, August-December 2014
5. **FRCS Revision for Clinical and Viva Examinations**, University Hospital Southampton, December 2014
6. **Clinical Examination Course for 4th Year** **Medical Students**, Clinical Skills & Teaching Centre, University of Southampton Medical School, December 2014
7. **Training the Trainers: Developing Teaching Skills,** Royal College of Surgeons England, Airedale Hospital, April 2014
8. **1st Year MBChB Surface And Applied Anatomy Teaching,** Glasgow University Medical School, 2012-3
9. **4th Year MBChB Teaching Sessions on Orthopaedic Trauma/ATLS**, Western Infirmary, Glasgow, 2013-14
10. **Host for West of Scotland Orthopaedic Research Society Journal Club**, 2010 - 2013.
11. **Faculty Member on Future Orthopaedic Surgeons Conference,** Royal College of Surgeons Edinburgh, July 2011
    1. A course designed and run by medical students and junior doctors interested in a career in orthopaedics. My role was to teach basic orthopaedic operations and to answer questions on life being an orthopaedic trainee.
12. **Coordinator of Orthopaedic Component of Basic Surgical Skills Course,** Royal College of Surgeons and Physicians Glasgow, 2010 - 2012
    1. An annual well established and respected skills course for junior trainees interested in pursuing a career in surgery. I was the coordinator for the orthopaedic component for the course.

MANAGEMENT

1. **VTE Lead,** UHS 2018
2. **Introduction of the “AMBER Care Bundle” to Orthopaedic Trauma & Beyond**, Aberdeen Royal Infirmary.
3. **“The Golden Patient” – Streamlining Trauma Care,** Aberdeen Royal Infirmary Trauma Unit.
4. ‘**Lead’ on Development of Business Case for Trust Wide Adoption of Zimmer Synovasure Alpha Defensin Diagnostic Test for Infected Total Knee Arthroplasty,** University Hospital Southampton, 2015
5. **‘Chief Resident’ for Knee Team**, University Hospital Southampton, 2014/15.
6. **Rota Coordinator for Higher Surgical Trainees.** Glasgow Royal Infirmary, February 2014
7. **Team Doctor and Medical Coordinator for the ELITE League Professional Ice Hockey Team**, **The Braehead Clan**, 2010-2014
8. **Organiser of West of Scotland Orthopaedic Research Society Cadaveric Brachial Plexus & Pelvic and Acetabular Trauma Master Class Meeting, Guest Speakers: Dr. Robert Bucholz MD Parkland Hospital, Dallas Texas. Dr Rahul Banerjee, Parkland Hospital, Dallas Texas. Dr Marybeth Ezaki, Scottish Rite Children’s Hospital, Dallas, Texas,** Glasgow University Dept. of Anatomy, March 2014
9. **Organiser of West of Scotland Orthopaedic Research Society National Trainees Research Meeting**, Glasgow University Union, September 2009-2013
10. **Organiser of West of Scotland Orthopaedic Research Society Elbow, Foot & Ankle Master Class Meeting, Guest Speakers: Dr. Scott Steinmann MD Mayo Clinic, Rochester, MN & Dr Pascal Rippstein, Schulthess Klinik Zurich, Switzerland,** Glasgow University Dept. of Anatomy, April 2012

OTHER PROFESSIONAL ROLES

1. **Venous Thromboembolism Lead for University Hospital Southampton & Spire Hospital Southampton 2017-present.**
2. **Regular reviewer for ‘The Journal of the Royal Army Medical Corps & Trauma,** BMJ Publication, 2013-14
3. **Match Doctor for St Mirren Football Club,** 2010-11
4. **Social convener for the West of Scotland Orthopaedic Research Society and West of Scotland Trainees’ Society,** 2009-13

COURSES

1. **Complex Knee Arthroplasty** , Zimmer, Baveno, Italy, Sept 2018
2. **Principal Investigator Workshop**, R&D UHS, Jan 2018
3. **Arthrex Arthroscopic Skills in Knee Surgery** – Technical Instructor, Munich, June 2017
4. **Pediatric Soft Tissue Knee Meeting**, Arthrex, Sheffield Children’s Hospital, June 2017
5. **Arthrex Fundamentals of ACL and MPFL surgery** – Invited Faculty, Munich, Dec 2016
6. **Depuy TC3 Cadaveric Fundamentals**, Depuy, Manchester, October 2015
7. **Depuy Attune Cadaveric Fundamentals**, Depuy, Manchester, June 2015
8. **The Fundamentals of External Fixation & Fine Wire Frames**, Orthofix, Windsor, UK, May 2015
9. **Birmingham Patellofemoral Instructional Course**, Queen Elizabeth Hospital, Birmingham, September 2014
10. **Good Clinical Practice**, Glasgow Clinical Research Facility Education Unit, June 2014
11. **Training the Trainers Course,** Royal College of Surgeons England, Airedale Hospital, April 2014
12. **ATLS**, Southampton General Hospital, December 2013
13. **Edinburgh Trauma Symposium and Teaching Course**, Royal College of Surgeons Edinburgh, August 2012
14. **AONA Basic**, Boston, USA, July 2011
15. **Elbow Master Class**, Glasgow University Dept. of Anatomy, Dr. David Ring, March 2011
16. **Intramedullary Nailing Techniques**, Stryker, Selzach, Switzerland, November 2010
17. **Principles and Concepts of hip Fracture Management,** Selzach, Switzerland, June 2010
18. **DePuy Corail Training Course,** Harlow, November 2009
19. **DePuy Modern Techniques in Total Knee Arthroplasty**, Harlow, November 2009
20. **BBraun Knee Expert Training Navigation,** Vienna, Austria, March 2008
21. **Smith and Nephew: Complex Soft Tissue Knee Reconstruction: A Cadaver Course**, The Wimbledon Clinic, London, September 2008
22. **Orthofix, Basic External Fixation**, Manchester, March 2008
23. **Hip, Ankle and distal radial fractures,** Royal College of Surgeons, Edinburgh, November 2007
24. **ATLS,** Kings Mill Hospital, November 2007
25. **CRiSP**, Royal College Surgeons Edinburgh, March 2006
26. **Basic Surgical Skills**, Royal College Surgeons Edinburgh, September 2005
27. **ILS**, Hairmyres Hospital, February 2005
28. **Arthroscopy Skills Course**, Royal College Physicians & Surgeons Glasgow, November 2005

MEETINGS & CONFERENCES

1. **ESSKA**, Glasgow, May 2017
2. **BASK Annual Spring Meeting**, Leicester, England, March 2018.
3. **18th EFFORT Congress**, Vienna, Austria, 2017
4. **Combined Bristol & Oxford Unicompartmental Knee Arthritis Symposium**, Oxford, Oct 2017
5. **Key Questions in Knee Surgery: Evidence Based Orthopaedics**, Biomet, Oxford, Sept 2016
6. **8th Combined Orthopaedic Research Society (CORS)**, Venice, Italy, October 2013
7. **Edinburgh International Trauma Symposium and Orthopaedic Trauma Society Meeting**, Royal College of Surgeons Edinburgh, August 2013
8. **Edinburgh Trauma Symposium,** Royal College of Surgeons Edinburgh, August 2012
9. **Computer Assisted Radiology and Surgery - 26th International Congress,** Pisa, Italy, July 2012
10. **Glasgow Meeting for Orthopaedic Research**, April 2012
11. **ABC Fellow Presentation**, Beardmore Hotel, June 2011
12. **Glasgow Meeting for Orthopaedic Research**, April 2011
13. **BOTA AGM**, June 2011
14. **The 12th meeting of COMOC**, October 2010

MEMBERSHIPS

1. British Association for Surgery of the Knee (BASK)
2. ESSKA
3. Royal College of Physicians & Surgeons Glasgow
4. British Orthopaedic Association
5. Previous Member of the British Orthopaedic Trainees’ Association
6. Medical & Dental Defense Union Scotland

OTHER ACHIEVEMENTS

1. **BMA Junior Members Forum** 2003-06
2. **West of Scotland Regional Junior Doctors Committee**, Royal College Physicians & Surgeons Glasgow, 2003-06
3. **Italian Language**, Merit Certificate, University of Pisa, 2004
4. **Slalom Ski Race Team**, Aberdeen University 2000-03
5. **Qualified Ski Instructor**, British Association of Ski Instructors BASI Level 1, 1997
6. Qualified at the age of 16 and taught on a regular basis for over 10 years at Bearsden Ski Club. I was involved in skiing for the disabled and for the socially disadvantaged. I taught at all levels from beginner toddlers through to adult race training.