



## CURRICULUM VITAE

# MR KARAN MALHOTRA

**MBCHB (HONS), MRCS, FRCS (TR & ORTH)**

Consultant Orthopaedic Foot & Ankle Surgeon @ RNOH | Honorary Associate Professor @ UCL



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I am a fellowship trained Consultant Trauma & Orthopaedic Surgeon with a sub-speciality interest in Foot & Ankle Surgery. My NHS practice is a complex, tertiary practice at the Royal National Orthopaedic Hospital, Stanmore UK, which consistently ranks as one of the top 10 Orthopaedic Hospitals in the world. I am also an Honorary Associate Professor with University College London, which also ranks within the top 10 universities world-wide. Privately, I work closely with my colleagues as part of the Stanmore Foot & Ankle Specialists Group.

My practice covers the operative and non-operative management of all adult foot and ankle conditions, including complex neuromuscular conditions (including CMT), deformity, tendon disorders, arthritis (including fusions, osteotomies and replacements), plantar fasciitis, bunions, and toe deformities. My NHS practice is a tertiary referral practice, which means I receive referrals and complex cases from all across the UK and abroad.

I am keenly involved in education and am regularly invited to speak at national and international conferences. I am a keen researcher and work with UCL and RNOH to ensure we are constantly evolving the science of foot and ankle surgery. A full list of my numerous publications, presentations and other activities can be found below. I am also the recipient of numerous prizes over the years. I am also currently a Council member of the British Orthopaedic Foot & Ankle Society (BOFAS).

## Exams & Qualifications

**Certificate of Completion of Training in Trauma & Orthopaedics (CCT)** *(Obtained August 2018)*  
Joint Commission of Surgical Training, UK

**FRCS (Trauma & Orthopaedics)** *(Part 1 - February 2017, Part 2 - May 2017)*  
Royal College of Surgeons, England

**Intercollegiate MRCS** *(Part A - January 2009, Part B - October 2010)*  
Royal College of Surgeons, England

**Medicine - MBChB (Honours)** *(2002 - 2007)*  
University of Manchester, UK



Website



Google Scholar

## Current Posts / Positions of Responsibility

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<b><u>Institution:</u></b>	Royal National Orthopaedic Hospital	<i>(Brockley Hill, Stanmore, HA7 4LP, UK)</i>
<b>Title:</b>	Consultant Orthopaedic Foot & Ankle Surgeon	<i>(Aug'20 - Present)</i>
<b>Title:</b>	Foot & Ankle Clinical Governance Lead	<i>(Aug'20 - Present)</i>
<b>Title:</b>	Simulation Teaching Coordinator for Non-consultant Hospital Doctors	<i>(Sep'19 - Present)</i>
<b>Title:</b>	Committee Member - Medical Education Committee	<i>(Dec'19 - Present)</i>

<b><u>Institution:</u></b>	University College London	<i>(Gower Street, London, WC1E 6BT, UK)</i>
<b>Title:</b>	Honorary Associate Professor	<i>(Feb'24 - Present)</i>

<b><u>Institution:</u></b>	British Orthopaedic Foot & Ankle Society	<i>(UK)</i>
<b>Title:</b>	Senior Information Risk Owner (SIRO)	<i>(Feb'25 - Present)</i>
<b>Title:</b>	Council Member / Director	<i>(Mar'24 - Present)</i>
<b>Title:</b>	Chair of BOFAS Media & Communications Committee	<i>(Mar'24 - Present)</i>
<b>Title:</b>	Co-Opted Committee Member - BOFAS Outcomes Committee	<i>(Nov'17 - Present)</i>

## Clinical & Surgical Experience

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I have extensive experience in the assessment and surgical management of complex forefoot, midfoot and hindfoot disorders. In the elective setting this includes: forefoot reconstruction including osteotomies, plantar plate repairs, and MTPJ replacements (Cartiva/Silastic); hindfoot / midfoot reconstruction for planovalgus and cavovarus feet, and neuromuscular disorders (including minimally invasive techniques); ankle and hindfoot arthrodesis; ankle arthroplasty (including patient specific instrumentation); ankle arthroscopy; ligament reconstruction, and management of sports injuries and foot and ankle trauma.

### Fellowship & Locum Consultant Experience

**Title:** Locum Consultant Orthopaedic Foot & Ankle Surgeon (Apr'20 - Jul'20)  
**Institution:** Royal National Orthopaedic Hospital (Brockley Hill, Stanmore, HA7 4LP, UK)

**Title:** Fellow in Foot & Ankle Surgery (Sep'19 - Mar'20)  
**Institution:** Royal National Orthopaedic Hospital (Brockley Hill, Stanmore, HA7 4LP, UK)  
**Supervisors:** Dishan Singh, Nick Cullen, Matt Welck

**Title:** Fellow in Foot & Ankle Surgery (Feb'19 - Jul'19)  
**Hospital:** Melbourne Orthopaedic Group (33 The Avenue, Windsor, VIC 3181, Australia)  
**Supervisors:** Tim Schneider, David Shepherd, Paul Rice

**Title:** Visiting Fellow in Trauma & Orthopaedics (Jan'19)  
**Hospital:** Ng Teng Fong General Hospital (1 Jurong East St 21, 609606, Singapore)  
**Supervisor:** Christopher Pearce

### Pre-Fellowship Clinical Experience

**Title:** Specialist Registrar in Trauma & Orthopaedics (2014-2018)  
**Institution:** Stanmore Rotation, London

**Title:** Specialist Registrar in Trauma & Orthopaedics (2012-2014)  
**Institution:** Yorkshire & Humber Deanery, Yorkshire

**Title:** Core Trainee in Trauma & Orthopaedics (2009-2012)  
**Institution:** Yorkshire & Humber Deanery, Yorkshire

**Title:** Foundation Training (2007-2009)  
**Institution:** Manchester Deanery, Manchester

# Summary of Academic Activity / Achievements

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## Prizes

- **2025 (Jan):** Voted Best Surgical Tip (Cavus Foot Alignment) (BOFAS, Brighton)
- **2024 (Mar):** Voted Best Surgical Tip (Removal of Screws) (BOFAS, Belfast)
- **2024 (Mar):** Chang Chen Memorial Prize: Best Podium Paper (UK-FATE) (BOFAS, Belfast)
- **2023 (Dec):** EFAS Presidential Prize for Best Paper (UK-FATE) (EFAS, Madrid)
- **2023 (Jul):** Best Podium Presentation (UK-FATE) (BIOS, Windsor)
- **2023 (Jul):** Best Clinical Audit Poster Competition (MRI Protocol) (RNOH, Stanmore)
- **2023 (Mar):** Chang Chen Memorial Prize: Best Podium Paper (MOxFQ) (BOFAS, Liverpool)
- **2022 (Mar):** Chang Chen Memorial Prize: Best Podium Paper (MT Rotation) (BOFAS, Bournemouth)
- **2022 (Mar):** Runner Up Prize for Best Podium Paper (UK-FALCON) (BOFAS, Bournemouth)
- **2021 (Mar):** Chang Chen Memorial Prize: Best Podium Paper (BOFAS, Virtual)
- **2020 (Oct):** EFAS Best Published Paper award (14<sup>th</sup> EFAS Intl. Congress, Virtual)
- **2018 (Nov):** BOFAS Travelling Fellowship Award (BOFAS, Edinburgh, UK)
- **2018 (Nov):** BOFAS Grant for Clinical Research Paper (BOFAS, Edinburgh, UK)
- **2018 (Oct):** EFAS Best Research Paper award (12<sup>th</sup> EFAS Intl. Congress, Geneva, Switzerland)
- **2017 (Jun):** WJ Little Medal: Best Registrar Presentation (27<sup>th</sup> Seddon Annual Meeting, London, UK)
- **2017 (Jun):** Best performance on simulation training (27<sup>th</sup> Seddon Annual Meeting, London, UK)

## Peer-Reviewed Publications

- **Total:** 64
- **Books / Chapters / Guides:** 5

## National / International Presentations of Research

- **Podium:** 42 (8 prizes for best paper and 2 other presentations in prize sessions)
- **Poster:** 32

## Successful Grant Applications

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- BOFAS Grant for Clinical Research. **Obtained £8,680 for investigation of reliability of elevation test in diagnosis of acute Charcot foot.** *Royal National Orthopaedic Hospital* November 2018.

## Courses & Conferences

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### Courses as Faculty

- 2024 (May): EFORT 2024 (MIS vs Open Session) (Hamburg, Germany)
- 2024 (Apr): Societatea Română de Arthroscopie Și Traumatologie Sportivă (Braşov, Romania)
- 2024 (Apr): Patient Specific Instrumentation in Foot & Ankle (Newclip) (Nantes, France)
- 2023 (Nov): 27th Stanmore Foot and Ankle Course (Stanmore, UK)
- 2022 (Nov): 26th Stanmore Foot and Ankle Course (Stanmore, UK)
- 2021 (Nov): 25th Stanmore Foot and Ankle Course (Stanmore, UK)

### Foot & Ankle Courses

- 2023 (Oct): Paragon28 BigFoot Meeting (London, UK)
- 2023 (Jul): Arthrex Cadaveric Lab (Solihull, UK)
- 2022 (Sep): EasyMove Total Ankle Cadaveric Workshop (Paris, France)
- 2021 (Sept): BOFAS New Consultant's Course (Coventry, UK)
- 2020 (Feb): MIS Forefoot Surgery (MICA) Workshop (Brighton, UK)
- 2020 (Feb): Novel Techniques in Foot & Ankle Surgery (**PRESENTED A SESSION**) (Keele, UK)
- 2019 (June): Cadaver Course: Management of Severe Foot & Ankle Deformities (Melbourne, Australia)
- 2019 (May): Cadaveric Foot & Ankle Workshop (Arthrex) (Melbourne, Australia)
- 2018 (Jan): Scarf Osteotomy Sawbone Workshop (Barnet, UK)
- 2016 (May): 21<sup>st</sup> Stanmore Foot and Ankle Course (Stanmore, UK)

### Foot & Ankle Conferences

- 2025 (Jan): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Brighton, UK)
- 2024 (Oct): European Orthopaedic Foot & Ankle Society (EFAS) Annual Meeting (Brussels, UK)
- 2024 (Mar): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Belfast, UK)
- 2023 (Sep): American Orthopaedic Foot & Ankle Society (AOFAS) Annual Meeting (Virtual)
- 2023 (Mar): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Liverpool, UK)
- 2022 (Mar): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Bournemouth, UK)
- 2021 (Mar): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Virtual)
- 2020 (Nov): 14<sup>th</sup> European Foot & Ankle Society (EFAS) International Congress (Virtual)
- 2019 (Nov): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Nottingham, UK)
- 2019 (Sep): 9<sup>th</sup> Annual Round Table of Foot & Ankle Surgery Meeting (Kraków, Poland)
- 2018 (Nov): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Edinburgh, UK)
- 2018 (Oct): 12<sup>th</sup> European Foot & Ankle Society (EFAS) International Congress (Geneva, Switzerland)
- 2018 (Sep): 8<sup>th</sup> Annual Round Table of Foot & Ankle Surgery Meeting (Belfast, UK)
- 2017 (Nov): British Orthopaedic Foot & Ankle Society (BOFAS) Annual Meeting (Sheffield, UK)
- 2017 (Sep): 7<sup>th</sup> Annual Round Table of Foot & Ankle Surgery Meeting (Cardiff, UK)

### Other Courses

- 2025 (Feb): Senior Information Risk Owner (SIRO) Course (Virtual)
- 2022 (May): Inspire MediLaw Report Writing Course (Virtual)
- 2017 (Jul): Training the Orthopaedic Trainer Course (TOTs) (London, UK)
- 2015 (Jan): ISC Medical Leadership & Management Course (London, UK)
- 2008 (Feb): Problem Based Learning (PBL) Tutor's Course (Manchester, UK)

### Skills Courses

- 2020 (Nov): IRMER Course (Stanmore, UK)
- 2017 (Sep): Good Clinical Practice & Statutory Instruments Course (GCP) (BOA, Liverpool, UK)
- 2017 (Sep): Advanced Trauma and Life Support (ATLS) (**INSTRUCTOR POTENTIAL**) (Leicester, UK)
- 2016 (Aug): Barts Orthopaedic Simulation Series Course (Royal London Hospital, UK)

- **2014 (Nov):** 7<sup>th</sup> London-Homerton Sports Injury Symposium (Homerton, UK)
- **2013 (Jan):** 4<sup>th</sup> Teeside Symposium on Sports Injuries (Durham, UK)
- **2012 (Jul):** AO Basic Principles Course (Leeds, UK)

### **Other Conferences**

- **2021 (Jul):** Virtual EFORT Congress (Virtual)
- **2018 (May):** 19<sup>th</sup> EFORT Congress (Barcelona, Spain)
- **2017 (Sep):** BOA Annual Congress (Liverpool, UK)
- **2017 (Jun):** 27<sup>th</sup> Seddon Society Annual Conference (London, UK)
- **2016 (Nov):** 3<sup>rd</sup> UK International Myeloma Spinal Meeting (INVITED SPEAKER) (London, UK)
- **2016 (Sep):** 37<sup>th</sup> SICOT Conference (Rome, Italy)
- **2015 (Nov):** British Hip Society Annual Conference (Milan, Italy)
- **2015 (Jun):** British Orthopaedic Trainees Conference (Chester, UK)
- **2015 (May):** 16<sup>th</sup> EFORT Congress (Prague, Czech Republic)
- **2014 (Jul):** 16<sup>th</sup> Annual Indian Orthopaedic Society Conference (London, UK)
- **2013 (Jun):** 14<sup>th</sup> EFORT Congress (Istanbul, Turkey)
- **2012 (Sep):** BOA Annual Congress (Manchester, UK)
- **2012 (May):** 13<sup>th</sup> EFORT Congress (Berlin, Germany)
- **2012 (Feb):** RCS Lister Centenary Conference (Edinburgh, UK)
- **2010 (Jun):** 11<sup>th</sup> EFORT Congress (Madrid, Spain)
- **2010 (May):** British Trauma Society Seminar (Manchester, UK)

## Publications & Research

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I am actively involved in research and coordinate numerous foot and ankle projects. I have successfully applied for research grants for clinical studies. I have scribed for three Round Table Foot & Ankle Consensus Meetings, and my current work in foot and ankle research involves the use of technology to look into common conditions and shed new light on their disease processes to guide future management.

I am proficient in information technology and databases. I set up and coded the largest UK database on Spinal Myeloma patients. I have designed databases for numerous prospective studies, and am currently working on committees with the British Orthopaedic Foot & Ankle Society (BOFAS) working on database migration to the National Joint Registry and as chief investigator on national audits. I have been involved in assessing the role of electronic data capture in the NHS, an important area that will continue to remain relevant in the future.

Most recently I have undertaken a body of work on understanding and classifying the neurological cavus foot. This is an area of significant interest to me, and which I hope to develop further over time.

### Foot & Ankle Related Publications

01. Mangwani J, Houchen-Wolloff L, Teece L, Booth S, Malhotra K, Mason L, UK-FATE Collaborative. **UK Foot and Ankle Thrombo-Embolism (UK-FATE): A Multicentre Prospective Study of Venous Thromboembolism in Foot and Ankle Surgery.** *Bone Joint J* (accepted)
02. Clough T, Jamjoom B, Jagani N, Quarcoopome J, Kakwani R, Townshend D, Cullen N, Patel S, Malhotra K, Welck M. **Morselized Femoral Head Impaction Bone Grafting of Large Defects in Ankle and Hindfoot Fusions.** *Foot Ankle Int.* 2025 Jan 27:10711007241310411. (Epub) PMID: 39868573
03. Mason L, Houchen-Wolloff L, Teece L, Booth S, Malhotra K, Mangwani J. **UK-FATE Collaborative. The Variation of Anticoagulation Prescribed in Foot and Ankle Surgery in the UK – UK Foot and Ankle Thrombo-Embolism Audit (UK-FATE).** *Foot Ankle Surg* 2025 Jan;31(1):38-43 [PMID: 38944567]
04. Ardakani A, Rudran B, Stringer H, Welck M, Mason L, Malhotra K. **The position, orientation, and relative size of the fibularis longus tubercle in normal patients: A weightbearing CT assessment.** *Clin Anat* 2024 Nov;37(8):900-909 [PMID: 38475986]
05. Malhotra K, Houchen-Wolloff L, Mason L, Mangwani J. **UK-FATE Collaborative Characteristics of patients not receiving chemical thromboprophylaxis following foot and ankle surgery - Data from the multicentre, prospective UK Foot and Ankle Thrombo-Embolism Audit (UK-FATE).** *Foot Ankle Intl* 2024 Sep;45(9):943-949 [PMID: 38872313]
06. Malhotra K, Patel S, Cullen N, Welck M. **Forefoot Morphotypes in Cavovarus Feet – A Novel Assessment of Deformity.** *Foot Ankle Intl* 2024 Jul;45(7):746-756 [PMID: 38618692]
07. Malhotra K, Patel S, Cullen N, Welck M. **Classifications in adult pes cavus – a scoping review.** *Foot* 2024 Jun; 59:102098 (E-pub) [PMID: 38678805]
08. Malhotra K, Colta C, Jani P, Haldar A, Patel S, Welck M, Cullen N. **Talar neck rotation angle in adults with clubfoot deformity: observed values and intra and inter-observer reliability using weight-bearing CT.** *Foot Ankle Surgery* 2024 Apr;30(3):263-267 [PMID: 38216337]
09. Najefi A, Cullen N, Patel S, Malhotra K, Welck M. **First Metatarsal Rotation after Scarf Osteotomy for Hallux Valgus.** *Foot Ankle Spec* 2023:Apr (e-pub) [PMID: 37243475]
10. Turmezei T, Malhotra K, Welck M. **3-D Joint Space Mapping at the Ankle from Weight-bearing CT: Reproducibility, repeatability, and challenges for standardisation.** *Eur Radiol* 2023;33(11):8333-8342 [PMID: 37256354]
11. Barnett J, Rudran B, Khan A, Patel S, Malhotra K, Cullen N, Welck M, Aston W. **Outcomes of Tenosynovial Giant Cell Tumour of the Foot and Ankle.** *Foot Ankle International* 2023;44(10):1013-1020 [PMID: 37644900]
12. Ranjit S, Sangoi D, Cullen N, Patel S, Welck M, Malhotra K. **Assessing the Coronal Plane Deformity in Charcot Marie Tooth Cavovarus Feet using 3D Automatic Software.** *Foot Ankle Surg* 2023;29(7):511-517 PMID:

36872207]

13. Zaidi R, Sangoi D, Cullen N, Patel S, Welck M, Malhotra K. **Semi-automated 3-dimensional analysis of the normal foot and ankle using weight-bearing CT – a report of normal values and bony relationships.** *Foot Ankle Surg* 2023;29(2):111-117 [PMID: 36522235]
14. Malhotra K, Mason L, Houchen-Wolloff L, Mangwani J. **Rate of COVID-19 infection and 30 day mortality between Blue and Green (Dedicated COVID-19 safe) pathways: Results from Phase 1 and 2 of the UK Foot and Ankle COVID-19 National (UK-FAICoN) Audit.** *Foot Ankle Surg* 2022; 28(7):1055-63 [PMID: 35256273]
15. Sangoi D, Ranjit S, Bernasconi A, Patel S, Cullen N, Welck M, Malhotra K. **2D manual versus 3D automated assessment of alignment in normal & Charcot-Marie-Tooth cavovarus feet using weightbearing CT.** *Foot Ankle Int* 2022;43(7):973-82 [PMID: 35403476]
16. Duff A, Tay K, Najefi A, Cullen N, Patel S, Welck M, Malhotra K. **Side-to-side difference of metatarsal rotation in normal individuals.** *Foot Ankle Int* 2022;43(6):790-5 [PMID: 35357250]
17. Najefi AA, Katmeh R, Zaveri A, Alsafi MK, Garrick F, Malhotra K, Patel S, Cullen N, Welck M. **Imaging Findings and First Metatarsal Rotation in Hallux Valgus.** *Foot Ankle Int* 2022;43(5):665-75 [PMID: 35135368]
18. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J. **The UK foot and ankle COVID-19 national (FAICoN) audit - Regional variations in COVID-19 infection and national foot and ankle surgical activity.** *Foot Ankle Surg* 2022;28(2):205-216 [PMID: 33785283]
19. Najefi AA, Alsafi MK, Malhotra K, Patel S, Cullen N, Welck M. **Repeatability of Weightbearing Computed Tomography Measurement of First Metatarsal Alignment and Rotation** *Foot Ankle Int* 2022;43(2):260-266 [PMID: 34416822]
20. Najefi AA, Malhotra K, Patel S, Cullen N, Welck M. **Assessing the Rotation of the First Metatarsal on Computed Tomography Scans: A Systematic Literature Review. (Review Article)** *Foot Ankle Int* 2022;43(1):66-76 [PMID: 34167335]
21. Zaveri A, Katmeh R, Patel S, Malhotra K, Cullen N, Welck M. **The use of intramedullary devices for fixation of metatarsal osteotomies in hallux valgus surgery - A systematic review (Review Article)** *Foot Ankle Surg* 2021;Dec(e-pub) [PMID: 35027311] (ahead of print)
22. Najefi AA, Zaveri A, Alsafi MK, Malhotra K, Patel S, Cullen N, Welck M. **The assessment of first metatarsal rotation in the normal adult population using weightbearing computer tomography** *Foot Ankle Int* 2021;42(10):1223-1230 [PMID: 34121479]
23. Oswal C, Patel S, Malhotra K, Sedki I, Cullen N, Welck M. **Limb salvage versus below knee amputation for severe adult lower limb deformity - A retrospective, comparative series.** *Foot Ankle Surg* 2021;Jul(e-pub) [PMID: 34274238] (ahead of print)
24. Mangwani J, Malhotra K, Houchen-Wolloff L, Mason L. **The UK Foot and Ankle COVID-19 National (FAICoN) Audit – Rate of COVID-19 infection and 30 Day Mortality in Foot and Ankle Surgery in the UK during the COVID-19 Pandemic** *BJJ Open* 2021;2(4):216-226 [PMID: 33829856]
25. Junaid ES, Haldar A, Colta R, Malhotra K, Welck M, Saifuddin A. **The awareness of Hindfoot Malalignment on Non-weight bearing Ankle MRI** *Skeletal Radiol* 2020;50(7):1317-1323 [PMID: 33230727]
26. Bernasconi A, Patel S, Malhotra K, Singh D, Welck M, Cullen N. **Salvage tibiototalcalcaneal arthrodesis augmented with fibular columns and iliac crest autograft: A Technical Note** *Foot Ankle Spec* 2021 Feb;14(1):79-88. [PMID: 33345604]
27. Najefi A, Malhotra K, Goldberg A. **Mechanical and anatomical axis of the lower limb in ankle arthroplasty** *Foot (Edin)* 2020;44:101666 [PMID: 32172139]
28. Schneider TE, Varrall CR, Malhotra K. **Early Results of Minimally Invasive Reverse Oblique Distal Metaphyseal Metatarsal Osteotomy (R-DMMO) for arthritis of the lesser tarsometatarsal joints - A Retrospective Case Series** *Foot (Edinb)* 2020;43:101652 [PMID: 32086136]
29. Malhotra K, Baggott PJ, Livingstone J. **Vitamin D in the foot and ankle – a review of the literature (Review Article)** *JAPMA* 2020;110(3):1-11 [PMID: 31589473]
30. Najefi A, Malhotra K, Chan O, Cullen N, Goldberg A. **The Bologna-Oxford ankle replacement: a case series of clinical and radiological outcomes** *Int Orthop* 2019;43(10):2333-2339 [PMID:31240361]
31. Malhotra K, Welck M, Cullen N, Singh D, Goldberg A. **The effects of weight-bearing on the distal**



- tibiofibular syndesmosis: A study comparing weight-bearing CT with conventional CT** *Foot & Ankle Surg* 2019;29(4):511-516 [PMID: 30321955]
32. Chan O, Malhotra K, Buraimoh B, Cullen N, Welck M, Goldberg A, Singh D. **Gastrocnemius tightness: A population based observational study** *Foot & Ankle Surg* 2019;29(4):517-522 [PMID: 30321953]
  33. Malhotra K, Joji N, Mordecai S, Rudge B. **Minimally invasive distal metaphyseal osteotomy (DMMO) for symptomatic forefoot pathology – short to medium term outcomes from a retrospective case series** *Foot (Edinb)* 2019;38:43-49 [PMID: 30634162]
  34. Patel S, Malhotra K, Cullen N, Singh D, Goldberg A, Welck M. **Defining Reference Values for the Normal Tibiofibular Syndesmosis in Adults Using Weightbearing Computerised Tomography** *Bone Joint J* 2019;101-B(3):384-352 [PMID: 30813789]
  35. Malhotra K, Chan O, Cullen S, Welck M, Goldberg A, Cullen N, Singh D. **Prevalence of isolated gastrocnemius tightness in patients with foot and ankle pathology – a population based study** *Bone Joint J* 2018;100-B(7):945-952 [PMID: 29954204]
  36. Davda K, Malhotra K, O'Donnell P, Singh D, Cullen N. **Peroneal tendon disorders (Review Article)** *EFORT Open* 2017;2(6):281-292 [PMID: 28736620]
  37. Malhotra K, Davda K, Singh D. **Pathology and management of lesser toe deformities (Review Article)** *EFORT Open* 2017;1(11):409-419 [PMID: 28461920]
  38. Salandy A, Malhotra K, Cullen C, Goldberg A, Singh D. **Can a urine dipstick test be used to assess smoking status in patients undergoing planned orthopaedic surgery? A prospective cohort study** *Bone Joint J* 2016;98-B(10):1418-24 [PMID: 27694599]
  39. Malhotra K, Buraimoh O, Thornton J, Cullen N, Singh D, Goldberg AJ. **Electronic capture of patient and clinician reported outcome measures in an elective orthopaedic setting** *BMJ Open* 2016;6(6):e011975 [PMID: 27324718]
  40. Malhotra K, Nunn T, Qamar F, Rao V, Shanker J. **Interposition bone block arthrodesis for failed hallux metatarsophalangeal joint surgery** *Foot Ankl Intl* 2015;36(5):556-64 [PMID: 25504225]
  41. Malhotra K, Pai S, Radcliffe G. **Do minimally displaced, closed tibial fractures in children need monitoring for compartment syndrome?** *Injury* 2015;46(2):254-8 [PMID: 24972494]
  42. Soni A, Vollans S, Malhotra K, Mann C. **Association between smoking and wound infection rates following calcaneal fracture fixation** *Foot Ankle Spec* 2014;7(4):266-270 [PMID: 25027986]
  43. Malhotra K, Nunn T, Chandramohan M, Shanker J. **Metatarsal stress fractures secondary to soft-tissue osteochondroma in the foot: case report and literature review (Case Report)** *FootAnklSurg* 2011;17(4):e51-54 [PMID: 22017915]

### Other Publications

44. Khoo M, Chaib B, Malhotra K, Saifuddin A. **Pathological Fracture in Paediatric Bone Tumours and Tumour-Like Lesions: A Predictor of Benign Lesions?** *Brit J Radiology* 2021;94(1125):20201341 [PMID: 34319796]
45. Berkeley R, Okereke O, Malhotra K, Saifuddin A. **The Incidence and Relevance of Non-Fatty Components in Trunk and Extremity Lipomatous Soft Tissue Masses** *Brit J Radiology* 2021;94(1122):20201403 [PMID: 33882249]
46. Saifuddin A, Ali S, Sabahuddin A, Malhotra K, Khoo M. **The Differential Diagnosis of Trunk and Extremity Dermal and Sub-dermal Lesions Referred to a Musculoskeletal Oncology Service** *Clin Imaging* 2021;78:51-59 [PMID: 33765643]
47. Junaid ES, Gnanananthan V, Malhotra K, Saifuddin A. **Tumours and Tumour-Like Lesions of Joints Differential Diagnoses in a Paediatric Population Compared to Adults** *Brit J Radiology* 2021;94(1120):20201389 [PMID: 33617297]
48. Saifuddin A, Shafiq H, Malhotra K, Santiago R, Pressney I. **Comparison of In-Phase and Opposed-Phase T1W Gradient Echo and T2W Fast Spin Echo Dixon Chemical Shift Imaging for the Assessment of Non-neoplastic, Benign Neoplastic and Malignant Marrow Lesions** *Skel Radiol* 2021;50(6):1209-1218 [PMID: 33196854]
49. Singla N, Junaid SE, Siddiqui M, Malhotra K, Saifuddin A. **An assessment of Fluid-Fluid Levels on Magnetic**

- Resonance Imaging of Spinal Tumours** *Skel Radiol* 2021 Apr;50(4):771-780. [PMID: 32978680]
50. Butler J, Malhotra K, Suarez-Huerta ML, Yu HM, Selvadurai S, Agu O, Molloy S. **360-Degree Complex Primary Reconstruction using Porous Tantalum Cages for Adult Degenerative Spinal Deformity** *Global Spine J* 2019;9(6):613-618 [PMID: 31448194]
  51. Lui DF, Yu HM, Butler J, Malhotra K, Selvadurai S, Agu O, Molloy S. **Neurologic injury in complex adult spinal deformity surgery: Staged multilevel oblique lumbar interbody fusion (MOLIF) using hyperlordotic Tantalum Cages versus pedicle subtraction osteotomy (PSO)** *Spine Journal* 2019;44(16):E939-E949 [PMID: 30896591]
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  53. Yu HM, Malhotra K, Butler JS, Patel A, Sewell M, Li YZ, Molloy S. **The relationship between spinopelvic measurements and patient-reported outcome scores in patients with multiple myeloma of the spine** *Bone Joint J* 2016;98-B(9):1234-9 [PMID: 27587526]
  54. Malhotra K, Marciniak JL, Bonczek SJ, Hunt N. **Venous thromboembolism after lower limb arthroplasty: is chemical prophylaxis still needed?** *Eur J Orthop Surg Traumatol* 2016;26(8):895-9 [PMID: 27448284]
  55. Malhotra K, Butler JS, Yu HM, Selvadurai S, D'Sa S, Rabin N, Kyriakou C, Yong K, Molloy S. **Spinal disease in myeloma: cohort analysis at a specialist spinal surgery centre indicates benefit of early surgical augmentation or bracing** *BMC Cancer* 2016;16:444 [PMID: 27401073]
  56. Molloy S, Butler JS, Malhotra K, Benton A, Selvadurai S, Agu O. **A new extensile anterolateral retroperitoneal approach for lumbar interbody fusion from L1 to S1: a prospective series with clinical outcomes** *Spine Journal* 2016;16(6):786-91 [PMID: 27033312]
  57. Malhotra K, Waheed A. **Increased biceps translation: a clinical sign of complete distal biceps tendon rupture (Technical Note)** *Clinics in Shoulder and Elbow* 2016;19(1):48-50
  58. Malhotra K, Lui D, Butler JS, Selvadurai S, Molloy S. **Successful non-surgical treatment for highly unstable fracture-subluxation of the spine secondary to myeloma (Case Report)** *Spine Journal* 2016;16(8):e547-51 [PMID: 26970602]
  59. Butler JS, Malhotra K, Patel A, Sewel M, Benton A, Kyriakou C, Molloy S. **Pathologic sternal involvement is a potential risk factor for severe sagittal plane deformity in multiple myeloma with concomitant thoracic fractures** *Spine J* 2015;15(12):2503-8 [PMID: 26407504]
  60. Yu HM, Malhotra K, Butler JS, Shi QW. **Anterior and posterior fixation for delayed treatment of posterior atlantoaxial dislocation without fracture (Case Report)** *BMJ Case Rep* 2015;Oct:Epub [PMID: 26516249]
  61. Sheikh H, Malhotra K, Wright P. **Cast index in predicting outcome of proximal paediatric forearm fractures** *Indian J Ortho* 2015;49(4):398-402 [PMID: 26229159]
  62. Malhotra K, Georgiades I, Davies J. **Functional colonic obstruction in an adult as a presenting feature of thymoma (Case Report)** *Ann RCS Eng* 2011;93(6):e61-63 [PMID: 21929885]
  63. Peck C, Malhotra K, Kim WJ. **Leg length discrepancy in cementless total hip arthroplasty** *Surg Science* 2011;2(4):183-18
  64. Malhotra K, Axisa B. **Low plasma albumin linked to fluid overload in postoperative epidural patients** *Ann RCS Eng* 2009;91(8):703-707 [PMID: 19909614]

## **Books / Chapters / Guides**

01. Singh D, Patel S, Malhotra K. **Inferior Heel Pain** in editors: Bhatia M: *Essentials of Foot & Ankle Surgery* To be published Feb 2021
02. Malhotra K, Patel S, Singh D. **Consensus of the 9<sup>th</sup> Round Table – Aspects of foot and ankle surgery** [https://orthosol.com/content/uploads/2019/12/5027\\_Ortho\\_9th-RoundTable2019\\_70pp-A5.pdf](https://orthosol.com/content/uploads/2019/12/5027_Ortho_9th-RoundTable2019_70pp-A5.pdf) 2019;Oct
03. Malhotra K, Patel S, Singh D. **Consensus of the 8<sup>th</sup> Round Table – Aspects of foot and ankle surgery** <https://orthosol.com/content/uploads/2019/03/8th-Consensus-of-Round-Table-2018-BELFAST.pdf> 2018;Oct
04. Malhotra K, Wright S, Jeyaseelan L, Singh D. **Consensus of the 7<sup>th</sup> Round Table – Aspects of foot and ankle surgery** <https://orthosol.com/content/uploads/2019/03/7th-Consensus-of-Round-Table-2017-CARDIFF.pdf> 2017;Sept
05. Murali-Ganesh R, Malhotra K, McLaren E, Ubayasiri K. **How to pass medical finals at the University of Nottingham – an insider's guide** *ACE Medicine*: <http://www.acemedicine.co.uk> 2008;Sept

## Presentations

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In June 2017 I won a regional prize for the '**Best Registrar Presentation**' (27th Seddon Society annual meeting) and was invited to speak at the BOA Annual Congress in the '**Best of the Best**' session. My presentation at EFORT in May 2018 on was also selected as one of the top abstracts and was entered into a competition for the '**EFORT Best Free Paper Award**'. My paper at EFAS in October 2018 won the award for the '**Best Research Paper**' and I was invited to present this work at BOFAS 2019 in the '**Best international paper prize session**'. In October 2020 I won the '**Best Paper Award**' at EFAS for the best paper published in the Journal Foot & Ankle Surgery for the year 2019. In March 2021 my work on the UK-FALCON National Audit won the '**Chang Chen memorial prize**' for the best podium presentation at BOFAS. In total **I won 4 consecutive Chan Cheng Memorial Awards**, including: March 2022 for my work on metatarsal rotation, March 2023 for my work on PROMs and the MOxFQ and March 2024 for my work on the UK-FATE National Audit. My work on the UK-FALCON **also won second prize** for best podium presentation at BOFAS 2022. I have also won for two consecutive years a **prize for the best technical tip** at BOFAS (2024 and 2025).

### Foot & Ankle Podium Presentations

01. Matthew Welck, Alexander Beer, Hussain Al-Omar, Shelain Patel, Nick Cullen, Togay Koc, Karan Malhotra **Does clinical pronation of the toe correlate with metatarsal rotation? A Retrospective analysis of weightbearing CT images.** 2025 (Jan): BOFAS (Brighton, UK)
02. Arvind Vijapur, Mohammed Shaath, Shelain Patel, Nick Cullen, Matthew Welck, Karan Malhotra **Is the Distal Metatarsal Metaphyseal Angle really just Metatarsal Pronation? A weightbearing CT analysis** 2025 (Jan): BOFAS (Brighton, UK)
03. Malhotra K, Patel S, Cullen N, Welck M. **Forefoot Morphotypes in Cavovarus Feet – A Novel Assessment of Deformity.** 2024 (Sept): BOA (Birmingham, UK)
04. Jamjoom B, Malhotra K, Patel S, Cullen N, Welck M, Clough T. **Morselised Femoral Head Impaction Bone Grafting of Large Defects in Ankle & Hindfoot Fusions.** 2024 (Sep): BOA (Birmingham, UK)
05. Malhotra K, Patel S, Cullen N, Welck M. **Forefoot Morphotypes in Cavovarus Feet – A Novel Assessment of Deformity.** 2024 (Mar): BOFAS (Belfast, UK)
06. Malhotra K, Houchen-Wolloff L, Mason L, Mangwani J. **UK Foot & Ankle Thrombo-Embolic (UK-FATE) Audit – A multicentre Prospective Study of Venous Thromboembolism in Foot & Ankle Surgery.** 2024 (Mar): BOFAS (Belfast, UK) \*Prize for Best Paper
07. Jamjoom B, Malhotra K, Patel S, Cullen N, Welck M, Clough T. **Morselised Femoral Head Impaction Bone Grafting of Large Defects in Ankle & Hindfoot Fusions.** 2024 (Mar): BOFAS (Belfast, UK)
08. Rachel Tan, Alba Morillo, Steve Taylor, Alessio Bernasconi, Shelain Patel, Karan Malhotra. **Opposing Flanks versus Parallel flanks – The influence of headless screw design on compression and pull-out resistance.** 2023 (Sept): AOFAS (Kentucky, USA)
09. Malhotra K, Houchen-Wolloff L, Mason L, Mangwani J. **UK Foot & Ankle Thrombo-Embolic (UK-FATE) Audit – A multicentre Prospective Study of Venous Thromboembolism in Foot & Ankle Surgery.** 2023 (Sept): BOA (Liverpool, UK)
10. Houchen-Wolloff L, Malhotra K, Mason L, Mangwani J. **UK Foot & Ankle Thrombo-Embolic (UK-FATE) Audit – A multicentre Prospective Study of Venous Thromboembolism in Foot & Ankle Surgery.** 2023 (July): BIOS (Windsor, UK) \*Prize for Best Paper
11. Thibbaiah M, Imtiaz H, Patel S, Cullen N, Welck M, Malhotra K. **Rivaroxaban vs LMWH after Elective Foot and Ankle Surgery – audit and experience from a tertiary referral centre.** 2023 (May): EFORT (Vienna, Austria)
12. Borsky K, Goodall R, Harrison C, Welck M, Malhotra K, Rodriguez J. **Structural Validation for the Manchester-Oxford Foot Questionnaire (MOxFQ) for use in foot and ankle surgery.** 2023 (Mar): BOFAS (Liverpool, UK) \*Prize for Best Paper

13. Malhotra K, Mason L, Houchen-Wolloff L, Mangwani J. **Rate of COVID-19 infection and 30 day mortality between Blue and Green (Dedicated COVID-19 safe) pathways: Results from Phase 1 and 2 of the UK Foot and Ankle COVID-19 National(UK-FAICoN) Audit.** 2022 (Mar):BOFAS (Bournemouth, UK) \*Prize for Second Best Paper
14. Sangoi D, Ranjit S, Bernasconi A, Patel S, Cullen N, Welck M, Malhotra K. **2D manual versus 3D automated assessment of alignment in normal & Charcot-Marie-Tooth cavovarus feet using weightbearing CT.** 2022 (Mar): BOFAS (Bournemouth, UK)
15. Najefi A, Katmeh R, Zaveri A, Alsafi M, Garrick F, Malhotra K, Patel S, Cullen N, Welck M. **Imaging Findings and First Metatarsal Rotation in Hallux Valgus.** 2022 (Mar): BOFAS (Bournemouth, UK) \*Prize for Best Paper
16. Bernasconi A, Patel S, Malhotra K, Singh D, Welck M, Cullen N. **Salvage tibiototalcalcaneal arthrodesis augmented with fibular columns and iliac crest autograft: A Technical Note. 2** 021 (Oct): EFAS (Lyon, France)
17. Oswal C, Patel S, Malhotra K, Sedki I, Cullen N, Welck M. **Limb salvage vs below knee amputation for severe adult lower limb deformity - a retrospective, comparative series.** 2021 (Sep): IFFAS (Virtual)
18. Sangoi D, Patel S, Cullen N, Welck M, Malhotra K. **2D vs 3D automated measurements for cavus feet.** 2021 (Sep): IFFAS (Virtual)
19. Houchen-Wolloff L, Malhotra K, Mangwani J, Mason L. **The UK Foot and Ankle COVID-19 National (FALCON) Audit – rate of COVID-19 infection and 30-day mortality in foot and ankle surgery in the UK.** 2021 (Sep): BOA (Aberdeen, UK)
20. Zaveri A, Katmeh R, Patel S, Malhotra K, Cullen N, Welck M. **Intramedullary Devices for Hallux Valgus** 2021(Sep): BOA (Aberdeen, UK)
21. Najefi A, Zaveri A, Alsafi M, Katmeh R, Garrick F, Patel S, Cullen N, Malhotra K, Welck M. **First metatarsal rotation and hindfoot alignment in patients with hallux valgus.** 2021 (Sep): BOA (Aberdeen, UK)
22. Houchen-Wolloff L, Malhotra K, Mangwani J, Mason L. **The UK Foot and Ankle COVID-19 National (FALCON) Audit – rate of COVID-19 infection and 30 day mortality in foot and ankle surgery in the UK.** 2021 (Jul): EFORT (Virtual)
23. Houchen-Wolloff L, Malhotra K, Mangwani J, Mason L. **The UK Foot and Ankle COVID-19 National(FALCON) Audit – rate of COVID-19 infection and 30 day mortality in foot and ankle surgery in the UK.** 2021 (Mar): BOFAS (Virtual) \*Prize for Best Paper
24. Oswal C, Patel S, Malhotra K, Sedki I, Cullen N, Welck M. **Limb salvage versus below knee amputation for severe adult lower limb deformity – a retrospective, comparative series.** 2021 (Mar): BOFAS (Virtual)
25. Malhotra K, Chan O, Cullen S, Cullen N, Welck M, Goldberg A, Singh D. **Clinically significant gastrocnemius tightness in patients with foot & ankle pathology – how prevalent is it really?** 2019 (Nov): BOFAS (Notting- ham, UK) \*International Prize Session
26. Malhotra K, Chan O, Cullen S, Cullen N, Welck M, Goldberg A, Singh D. **Clinically significant gastrocnemius tightness in patients with foot & ankle pathology – how prevalent is it really?** 2018 (Oct): EFAS (Geneva, Switzerland) \*Prize for Best Paper
27. Malhotra K, Chan O, Cullen S, Cullen N, Welck M, Goldberg A, Singh D. **Clinically significant gastrocnemius tightness in patients with foot & ankle pathology – how prevalent is it really?** 2018(May): EFORT (Barcelona, Spain)
28. Welck M, Cullen N, Malhotra K, Rose B, Singh D, Goldberg A. **The normal anatomy of the syndesmosis on weightbearing CT scan.** 2017 (Nov): SICOT (Capetown, RSA)
29. Chan O, Malhotra K, Buraimoh B, Cullen N, Welck M, Goldberg A, Singh D. **Gastrocnemius tightness in the general population.** 2017 (Sep): BOA (Liverpool, UK)
30. Malhotra K, Najefi A, Goldberg A. **Do Custom Intra-operative guides improve Total Ankle Arthroplasty? A comparison of patient specific and extramedullary instrumentation.** 2016 (Sep): SICOT (Rome, UK)
31. Malhotra K, Nunn T, Qamar F, Rao V, Shanker J. **Interposition Bone Block Arthrodesis for failed Hallux Metatarso-phalangeal Joint Surgery: A review of 23 cases.** 2012 (May): EFORT (Berlin, Germany)
32. Malhotra K, Nunn T, Mann C. **Wound Complications after ORIF of Calcaneal Fractures– A Case Series.** 2010 (May): Brit Trauma Society (Manchester, UK)

## **Foot & Ankle Poster Presentations**

33. Prashant Singh, Amy Still, Karan Malhotra, Panagiotis Poulious, Muhammad Chatoo, Shelain Patel, Nick Cullen, Matthew Welck **Sagittal alignment following ankle and tibiototalcalcaneal arthrodesis: A retrospective review of radiological and patient reported outcomes** 2025 (Jan): BOFAS (Brighton, UK)
34. Mohammed Shaath, Ella McCarthy, Gilles Van Eetvelde, Muhammad Chatoo, Shelain Patel, Nick Cullen, Karan Malhotra, Matthew Welck **Evaluation of Tendon-to-Tendon Versus Tendon-to-Bone Transfers in Charcot-Marie-Tooth Foot Surgery** 2025 (Jan): BOFAS (Brighton, UK)
35. Jenna Shepherd, Lyndon Mason, Linzy Houchen-Wolloff, Karan Malhotra, Jitendra Mangwani **Infection following foot and ankle surgery: Further analysis of data captured from the UK FATE Audit** 2025 (Jan): BOFAS (Brighton, UK)
36. Angelica Gheorghe, Wilthemio Rongavilla, Karen Alligan, Shelain Patel, Matthew Welck, Nicholas Cullen, Karan Malhotra **Delays in Wound Healing in Complex Hindfoot Surgery** 2024 (Oct): EFAS (Brussels, Belgium)
37. Karan Malhotra, Shelain Patel, Nicholas Cullen, Matthew Welck **Forefoot Morphotypes in Cavovarus Feet – A Novel Classification** 2024 (Oct): EFAS (Brussels, Belgium)
38. Bakur Jamjoom, Karan Malhotra, Shelain Patel, Nicholas Cullen, Matthew Welck, Tim Clough **Impaction Grafting in Ankle Fusions** 2024 (Oct): EFAS (Brussels, Belgium)
39. Amir Ardakani, Branavan Rudran, Howard Stringer, Matthew Welck, Lyndon Mason, Karan Malhotra **The position, orientation, and relative size of the peroneus longus tubercle in normal patients – a weightbearing CT assessment** 2024 (Oct): EFAS (Brussels, Belgium)
40. Hassan Imitez, Amir Ardakani, Nick Cullen, Shelain Patel, Matt Welck, Karan Malhotra **Trialling Electronic Consent in Elective Foot & Ankle Surgery –Successes & Pitfall** 2024 (Oct): EFAS (Brussels, Belgium)
41. Alexander Beer, Amir Ardakani, Shelain Patel, Nick Cullen, Matt Welck, Karan Malhotra **Assessing the appropriateness of repeat MRI scans within a Foot and Ankle Unit** 2024 (Oct): EFAS (Brussels, Belgium)
42. Ella McCarthy, Gilles van Eetvelde, Muhammad Chatoo, Shelain Patel, Nick Cullen, Karan Malhotra, Matthew Welck **Tendon to Tendon Versus Tendon to Bone Transfers in Charcot-Marie-Tooth pes cavovarus correction** 2024 (Oct): EFAS (Brussels, Belgium)
43. Ella McCarthy, Mohammed Shaath, Gilles van Eetvelde, Muhammad Chatoo, Karan Malhotra, Matthew Welck **Evaluation of Tendon-to Tendon versus Tendon-to-bone transfer in Charcot-marie Tooth Foot Surgery** 2024 (Oct): EFAS (Brussels, Belgium)
44. Jean-Marc Street, Prashant Singh, Shelain Patel, Nicholas Cullen, Karan Malhotra, Matthew Welck **TTC Arthrodesis using a straight nail - a single tertiary referral centre experience over 10 years** 2024 (Oct): EFAS (Brussels, Belgium)
45. Ella McCarthy, Gilles van Eetvelde, Muhammad Chatoo, Shelain Patel, Nick Cullen, Karan Malhotra, Matthew Welck **Tendon to Tendon Versus Tendon to Bone Transfers in Charcot-Marie-Tooth pes cavovarus correction** 2024 (Sep): BOA (Birmingham, UK)
46. Alexander Beer, Amir Ardakani, Nick Cullen, Matt Welck, Shelain Patel, Karan Malhotra **Use Of An MRI Request Protocol Reduces Inappropriate Repeat Foot And Ankle MRI Scans** 2024 (May) EFORT (Hamburg, Germany) *\*Prize for best Foot & Ankle Poster*
47. Malhotra K, Mason L, Houchen-Wolloff L, Mangwani J **Characteristics of patients not receiving chemical thromboprophylaxis following foot and ankle surgery – Data from the multicentre prospective UK-FATE Audit** 2024 (Mar): BOFAS (Belfast, UK)
48. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J **Achilles Tendon Ruptures & Venous Thromboembolism – Data from the multicentre prospective UK-FATE Audit** 2024 (Mar): BOFAS (Belfast, UK)
49. Imtiaz H, Ardakani A, Patel S, Cullen N, Welck M, Malhotra K **Trialling Electronic Consent in Elective Orthopaedic Surgery – Successes and Pitfalls** 2023 (Sept): Oxford IDEAS Forum (Oxford, UK)
50. Borsky K, Goodall R, Harrison C, Welck M, Malhotra K, Rodriguez J **Structural Validation for the Manchester-Oxford Foot Questionnaire (MOxFQ) for use in foot and ankle surgery** 2023 (Sept): AOFAS (Kentucky, USA)

51. Chun Wai Lui, Rui Loureiro, Karan Malhotra **The Effect of Focused Vibration on Tibialis Anterior Function in Normal Subjects** 2023 (Sept): AOFAS (Kentucky, USA)
52. Anil Haldar, Amir Ardakani, Shelain Patel, Matthew Welck, Karan Malhotra, Nick Cullen **One Year Outcomes of the H-AMIC Procedure for Osteochondral Lesions of the Talus** 2023 (Sept): AOFAS (Kentucky, USA)
53. Karan Malhotra, Raul Colta, Anil Haldar, Shelain Patel, Matthew Welck, Nicholas Cullen **A novel method of assessment of talar neck angle in adults with clubfoot using weightbearing CT - Expected values and intra- / inter-observer reliability** 2023 (Sept): AOFAS (Kentucky, USA)
54. Amir Ardakani, Anil Haldar, Shelain Patel, Nick Cullen, Matt Welck, Karan Malhotra **Assessing the appropriateness of repeat MRI scans within a Foot and Ankle Unit** 2023 (Sept): AOFAS (Kentucky, USA)
55. Amir Ardakani, Anil Haldar, Shelain Patel, Nick Cullen, Matt Welck, Karan Malhotra **Assessing the appropriateness of repeat MRI scans within a Foot and Ankle Unit** 2023 (Aug): RNOH Poster Competition (Stanmore, UK) *\*Prize for best poster*
56. Mahesh Thibbaiah, Hassan Imtiaz, Shelain Patel, Nick Cullen, Matt Welck, Karan Malhotra **Rivaroxaban vs LMWH after Elective Foot and Ankle Surgery – audit and experience from a tertiary referral centre** 2023 (March): BOFAS (Liverpool, UK)
57. Rachel Tan, Alba Morillo, Steve Taylor, Alessio Bernasconi, Shelain Patel, Karan Malhotra **Opposing Flanks versus Parallel flanks – The influence of headless screw design on compression and pull-out resistance** 2023 (March): BOFAS (Liverpool, UK)
58. Rudran B, Patel S, Cullen C, Welck M, Mason L, Malhotra K **The position and rotation of the peroneus longus tubercle in normal patients – a weightbearing CT assessment** 2022 (Oct): EFAS (Edinburgh, UK)
59. Marusza C, Stringer H, Redfern J, Sangoi D, Welck M, Mason L, Malhotra K **The position and morphology of the peroneus longus tubercle in hallux valgus – a weight-bearing CT assessment** 2022 (Sep): AOFAS (Vancouver, Canada)
60. Ranjit S, Sangoi D, Cullen N, Patel S, Welck M, Malhotra K **Assessing the coronal plane deformity in Charcot Marie Tooth Cavovarus feet using 3S automatic software** 2022 (Jun): EFORT (Lisbon, Portugal)
61. Marusza C, Stringer H, Redfern J, Sangoi D, Welck M, Mason L, Malhotra K **The position and morphology of the peroneus longus tubercle in hallux valgus – a weight-bearing CT assessment** 2022 (Jun): EFFORT (Lisbon, Portugal)
62. Sangoi D, Ranjit S, Bernasconi A, Patel S, Cullen N, Welck M, Malhotra K **2D manual versus 3D automated assessment of alignment in normal & Charcot-Marie-Tooth cavovarus feet using weightbearing CT** 2022 (Jun): EFFORT (Lisbon, Portugal)
63. Marusza C, Stringer H, Redfern J, Sangoi D, Welck M, Mason L, Malhotra K **The position and morphology of the peroneus longus tubercle in hallux valgus – a weight-bearing CT assessment** 2022 (Mar): BOFAS (Bournemouth, UK)
64. Benfield J, Welck M, Malhotra K, Singh D **Shockwave for plantar fasciitis with calcaneal bone marrow oedema** 2021 (Oct): EFAS (Lyon, France)
65. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J **The UK Foot and Ankle COVID-19 National (FALCON) Audit –What have we learnt? Results from Phase 2** 2021 (Sep): BOA (Aberdeen, UK)
66. Amuthasaran E, Patel S, Welck M, Malhotra K **The incidence of surgical cancellations: Lessons learned from the resumption of elective orthopaedic orthopaedics after the first wave of COVID-19** 2021 (Sep): BOA (Aberdeen, UK)
67. Amuthasaran E, Patel S, Welck M, Malhotra K **The incidence of surgical cancellations: Lessons learned from the resumption of elective orthopaedic orthopaedics after the first wave of COVID-19** 2021 (Aug): AOFAS (Virtual)
68. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J **The UK Foot and Ankle COVID-19 National (FALCON) Audit – regional variations in COVID-19 infection and national foot and ankle surgical activity** 2021 (Aug): AOFAS (Virtual)
69. Houchen-Wolloff L, Malhotra K, Mangwani J, Mason L. **The UK Foot and Ankle COVID-19 National (FALCON) Audit – rate of COVID-19 infection and 30 day mortality in foot and ankle surgery in the UK.** 2021 (Aug): AOFAS (Virtual)
70. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J. **The UK Foot and Ankle COVID-19 National**

**(FALCON) Audit – regional variations in COVID-19 infection and national foot and ankle surgical activity. 2021 (Jul): EFORT (Virtual)**

71. Mason L, Malhotra K, Houchen-Wolloff L, Mangwani J. **The UK Foot and Ankle COVID-19 National (FALCON) Audit – regional variations in COVID-19 infection and national foot and ankle surgical activity. 2021 (Mar): BOFAS (Virtual)**
72. Turmezei TD, Malhotra K, Gee AH, Treece GM, Poole KES, Welck MJ. **Feasibility and Test-Retest Repeatability of 3D Joint Space Mapping at the Ankle and Hindfoot using Weight-Bearing CT. 2020 (Sep): IWOAI (Salzburg, Austria)**
73. Malhotra K, Joji N, Rudge B. **Minimally invasive metaphyseal metatarsal osteotomy (DMMO) for symptomatic forefoot pathology – short to medium term outcomes from a retrospective case series. 2018 (Nov): BOFAS (Edinburgh, UK)**
74. Malhotra K, Joji N, Rudge B. **Minimally invasive metaphyseal metatarsal osteotomy (DMMO) for symptomatic forefoot pathology – short to medium term outcomes from a retrospective case series. 2018 (Oct): EFAS (Geneva, Switzerland)**
75. Malhotra K, Chan O, Cullen S, Cullen N, Welck M, Goldberg A, Singh D. **Clinically significant gastrocnemius tightness in patients with foot & ankle pathology – how prevalent is it really? 2018 (Jul): AOFAS (Boston, US)**
76. Welck M, Thornton J, Buraimoh B, Malhotra K, Cullen N, Goldberg A, Singh D. **Foot Posture Index: A study of observer reliability and correlation with pedCT. 2017 (Nov): SICOT (Capetown, RSA)**
77. Salandy A, Malhotra K, Goldberg A, Cullen N, Singh D. **Does Urinary Cotinine Level Correlate with Post-Operative Complications in Elective Foot & Ankle Surgical Patients. 2016 (Nov): BOFAS (Bristol, UK)**
78. Malhotra K, Najefi A, Goldberg A. **Early results of Patient Specific Instrumentation in Total Ankle Replacement. 2016 (Sep): SICOT (Rome, Italy)**
79. Malhotra K, Thornton J, Buraimoh O, Cullen C, Singh D, Goldberg A. **Do patients find patient-reported outcome measures capture their issues in foot and ankle clinics? A retrospective review of patient feedback. 2016 (Sep): SICOT (Rome, Italy)**
80. Soni A, Malhotra K, Vollans S, Mann C. **Is smoking a relative contraindication for Calcaneal fracture fixation: A question still unanswered. 2013 (Jun): EFORT (Istanbul, Turkey)**
81. Malhotra K, Brooke B, Sampathkumar K. **Foot and Ankle Radiographs at Orthopaedic Out-Patient Clinic: Making a Stand for Weight-Bearing Views. 2012 (Sep): BOA (Manchester, UK)**
82. Malhotra K, Parker J, Duffy D. **Manipulation of Displaced Ankle Fractures at a DGH. 2012 (Feb): RCS Lister Cent Conf (Edinburgh, UK)**
83. Malhotra K, Nunn T, Qamar F, Rao V, Shanker J. **Interposition Bone Block Arthrodesis for failed Hallux Metatarso-phalangeal Joint Surgery: A review of 23 cases. 2012 (Feb): RCS Lister Cent Conf (Edinburgh, UK)**

### Other Podium Presentations

84. Lui DF, Yu HM, Malhotra K, Selvadurai S, Agu O, Butler J, Molloy S. **MOLIF has superior spinopelvic harmony compared to PSO in complex adult spinal deformity. 2018 (May): BritSpine (Leeds, UK)**
85. Malhotra K, Butler JS, Yu HM, Selvadurai S, D'Sa S, Rabin N, Kyriakou C, Yong K, Molloy S. **Spinal Disease in Myeloma. 2017 (Sep): BOA (Liverpool, UK) \*Best of the Best**
86. Malhotra K, Butler JS, Yu HM, Selvadurai S, D'Sa S, Rabin N, Kyriakou C, Yong K, Molloy S. **Spinal Disease in Myeloma. 2017 (Jun): Seddon Meeting (London, UK) \*Prize for best presentation**
87. Singh P, Malhotra K, Maunganidze T, Whittingham-Jones P, Waters T. **Evaluation of sonication as a diagnostic tool in orthopaedic implant infections: A 53 months review in a large district general hospital in the UK. 2017 (Apr): Eur Cong of Clinical Micro & Infect Dis (Vienna, Austria)**
88. Malhotra K, Butler JS, Yu HM, Selvadurai S, D'Sa S, Rabin N, Kyriakou C, Yong K, Molloy S. **Spinal Disease in Myeloma: Cohort Analysis Indicates Benefit of Early Surgical Augmentation or Bracing. 2016 (Nov): Intl Myeloma Spinal Meeting (London, UK)**



89. Malhotra K, Butler JS, Lui DF, Suarez-Heurta ML, Yu HM, Selvadurai S, Agu O, Molloy S. **Clinical and Radiologic Outcome from 360-degree Lumbar Spondylodesis using Porous Tantalum Cages in Spinal Reconstruction for Degenerative Lumbar Spine Deformity.** 2016 (Apr): *BritSpine (Nottingham, UK)*
90. Malhotra K, Marciniak J, Hunt N. **Venous Thromboembolism after Lower Limb Arthroplasty - Does Chemical Prophylaxis Reduce the Risk?** 2015 (Nov): *Brit Hip Society (Milan, Italy)*
91. Sheikh H, Malhotra K, Wright P. **Cast Index and the Distal Proximal Forearm Ratio.** 2012 (Nov): *Ridings Meeting (Bradford, UK)*
92. Malhotra K, Pai S, Radcliffe R. **Monitoring Minimally Displaced, Closed, Paediatric Tibial Fractures for Compartment Syndrome: Is it Necessary?** 2012 (Sep): *BOA (Manchester, UK)*
93. Malhotra K, Kim WJ. **Limb Length Inequality after Cemented vs. Uncemented Total Hip Arthroplasty.** 2010 (Jun): *EFORT (Madrid, Spain)*

### Other Poster Presentations

94. Malhotra K, Peckham T. **Single-incision endo-button technique for repair of distal biceps tendon ruptures.** 2015 (Jun): *BOTA (Chester, UK)*
95. Malhotra K, Marciniak J, Bonczek S, Hunt N. **VTE after lower limb arthroplasty – Does chemical prophylaxis reduce the risk?** 2015 (May): *EFORT (Prague, Czech Republic)*
96. Malhotra K, Marciniak J, Bonczek S, Hunt N. **VTE after lower limb arthroplasty – Does chemical prophylaxis reduce the risk?** 2014 (Jul): *Indian Orth Soc Conf (London, UK)*
97. Malhotra K, Lowery K, Farnell R, Campbell D. **The Journey of a Hand Trauma Patient.** 2014 (Jun): *International Forum on Quality & Safety in Healthcare (Paris, France)* (Accepted, but unable to present)
98. Malhotra K, Sampathkumar K. **Reducing Delays in Discharge of Elective Orthopaedic Patients.** 2014 (Jun): *International Forum on Quality & Safety in Healthcare (Paris, France)* (Accepted, but unable to present)
99. Malhotra K, Brooke B, Sampathkumar K. **Reducing Delays in Discharge of Elective Orthopaedic Patients: An Audit & Re-audit.** 2012 (Feb): *RCS Lister Centen Conf (Edinburgh, UK)*
100. Malhotra K, Pai S, Collier A. **Use of NICE Guidelines to Identify Significant Intra-Cranial Pathology following Head Injury.** 2012 (Feb): *RCS Lister Centen Conf (Edinburgh, UK)*
101. Sheikh H, Malhotra K, Wright P. **Cast Index and the Distal-Proximal Fracture Ratio for Paediatric Forearm Fractures.** 2012 (Feb): *RCS Lister Cent Conf (Edinburgh, UK)*
102. Peck C, Malhotra K, Kim WJ. **Leg Length Discrepany in Cementless Total Hip Arthroplasty.** 2010 (Sep): *SICOT (Gothenburg, Sweden)*
103. Malhotra K, Kim WJ. **Blood Transfusion Rates after Cemented vs. Uncemented Total Hip Arthroplasty.** 2010 (Jun): *EFORT (Madrid)*

# Audits & Quality Improvement Projects

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I have extensive experience with Quality Improvement. I have a good understanding of processes for bringing about change in the work environment, ensuring best possible care. I have conducted numerous high quality projects looking at health systems and outcomes, introducing changes that increase efficiency and improve patient/physician experience and care. Majority of the audits enumerated below have resulted in a meaningful impact to patient care and / or significant cost savings for the trust involved.

## Ongoing Quality Improvement Projects

- **Trust-wide quality / service improvement of processes & IT** *(May 2020 – Present, RNOH, UK)*  
Project aimed at examining and improving processes and patient pathways across the trust.

## Completed Quality Improvement Projects

- **Foot & Ankle Day Case Unit** *(Dec 2022 – Present, RNOH, UK)*  
Project aimed at creating a better system for foot and ankle patient to be managed as day cases.
- **Change of VTE Prophylaxis Protocol** *(Jan2022 – Jan 2024, RNOH, UK)*  
Project aimed at transitioning safely to Rivaroxaban (from LMWH) for VTE prophylaxis in our F&A patients.

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## National Audit Projects

- **UK Foot & Ankle Thromboembolic National Audit (UK-FATE)** *(Jun 2022, BOFAS, UK)*  
National Audit project investigating the incidence of VTE in foot and ankle patients across the UK. I was one of 3 lead investigators. We collected data from over 68 units nationally (over 11,300 patients).
- **UK Foot & Ankle COVID-19 National Audit (UK-FALCON)** *(Sep 2020, BOFAS, UK)*  
National Audit project investigating the incidence of COVID-19 in foot and ankle patients across the UK. I was on of 3 lead investigators. We collected data from over 40 units nationally (over 6,800 patients).

In addition to the above, I have over 15 Quality improvement projects which have completed multiple cycles and affected a change in procedure. Beyond this I have > 40 other audit and clinical governance projects that I have completed.

# Teaching

I am passionate about teaching and training and have received numerous commendations in this field. I regularly tutor and lecture and have designed and run teaching programs for allied health professionals and doctors at all levels. I have implemented feedback systems which both students and trainers have found useful.

I lead the teaching programme and run simulation training for junior trainees at the Royal National Orthopaedic Hospital and teach FRCS revision sessions for my Orthopaedic training rotation. I designed a UK-wide FRCS education programme (webinar) with BOFAS and delivered teaching nationally through this programme. I aim to research methods of teaching orthopaedic trainees during my career.

## Ongoing Teaching Activities

- **2024-Present:** Faculty on British European Orthopaedic Foot & Ankle Academy Lectures (BEOFAA)
- **2021-Present:** Faculty and co-convenor for Stanmore Foot Course (RNOH)
- **2020-Present:** Teaching on ORUK FRCS Courses (ORUK)
- **2020-Present:** Committee member and co-organiser for national webinar series **Aimed at registrars from all deaneries in preparation for FRCS** (BOFAS)
- **2020-Present:** Committee member on the Medical Education Committee for the Royal National Orthopaedic Hospital (RNOH)
- **2019-Present:** Lead for simulation training for trainees (RNOH)
- **2017-Present:** Lectures / Vivas on Stanmore FRCS teaching programme (RNOH)

## Lectures at Courses & Conferences

- **2024 (May):** MIS vs Open Foot & Ankle Surgery (EFORT, Germany)
- **2024 (Apr):** Talks on Peroneal Tendon Problems & Injuries in Runners (SRATS, Romania)
- **2024 (Apr):** Pes Cavus and Wedge Tarsesectomies (Cadav Course, France)
- **2024 (Mar):** How to Set up a national collaborative (BOFAS, UK)
- **2023 (Nov):** Talks on Pes Cavus & Lesser Toe Deformities (Stan Foot Course, UK)
- **2023 (Mar):** Role in Imaging in the Foot & Ankle (BOFAS, UK)
- **2022 (Nov):** Talks on Pes Cavus & Lesser Toe Deformities (Stan Foot Course, UK)
- **2021 (Nov):** Talks on Pes Cavus & Lesser Toe Deformities (Stan Foot Course, UK)

## Previous Teaching Activities

- **2022 (Feb):** National Webinar to Trainees aimed at FRCS level on Pes Cavus (BOFAS)
- **2019-2021:** Introduced and led formal teaching programme for SHOs (RNOH)  
**Creation of 'the Stanmore teaching programme for non-consultant hospital doctors'**
- **2021 (Dec):** Series of Video Lectures for Bone and Joint Journal (BJJ)
- **2020 (Sep):** National Webinar to Trainees aimed at FRCS level on Pes Cavus (BOFAS)

I have additionally been involved in >30 previous teaching programmes / lectures during my time as a trainee.

## Leadership & Management

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I am extensively involved with health systems and management. I have designed evidence-based protocols and patient pathways for cancer centres, I am a member on 2 national committees for the British Orthopaedic Foot & Ankle Society (BOFAS): the 'Outcomes Committee' and the 'Media & Communications Committee,' for which I am also the Chair of the Committee. I manage data migration from local databases to the national registry, develop pathways, streamline the society website and coordinate national education via webinars, and run all the societies IT infrastructure.

I played a key role in the transformation of the Royal National Orthopaedic Hospital from an elective hospital to a trauma unit during the COVID-19 crisis, introducing an electronic trauma management system, setting up trauma meetings and remote access to reduce staff needing to be physically present, and streamlining the workflows of patients being referred and admitted to the RNOH. I am currently looking at the role of IT systems in helping to capture critical data and map patient pathways at the RNOH over the next 10 years.

### Current Positions of Responsibility

- **Senior Information Risk Owner BOFAS** *(February 2025 – Present, UK)*  
I am the SIRO for the national society, BOFAS.
- **Council Member BOFAS** *(March 2024 – Present, UK)*  
As the chair of a committee I am also a council member and director for the national society.
- **Chair of BOFAS Media & Communications Committee** *(March 2024 – Present, UK)*  
After playing a key roll in the IT Committee for 4 years, I was elected the chair of the rebranded media and communications committee, leading the communications, website and technology side of the society.
- **Co-opted committee member: BOFAS OutComm Committee** *(October 2017 – Present, UK)*  
First, and currently only trainee co-opted to a British Orthopaedic Foot & Ankle Society (BOFAS) committee. I play a key role in organising the importing of data to the national registry from local registries. Role expanded to help adapt and introduce a Foot & Ankle Trauma Registry and most recently adapting registries to capture COVID-19 related data.
- **Lead for Simulation teaching programme at RNOH** *(October 2019 – Present)*  
Aiming to introduce simulation training for trainees on the Stanmore Rotation. Liaising with industry to get a programme in place.
- **RNOH Education Newsletter production** *(October 2019 – Present)*  
Designed and implemented a monthly education newsletter for the Royal National Orthopaedic Hospital. This is a summary of all educational opportunities available to trainees and allied health professionals across the trust. It has been very well received.
- **Co-organiser for BOFAS FRCS Webinar series** *(June 2020 – Present)*  
2 webinar series hosted by BOFAS. First addresses concerns regarding COVID-19 and the impact on Foot & Ankle practice across the UK. Second ('Lectures of Distinction') delivers FRCS teaching to trainees across UK and internationally.
- **Foot & Ankle Day Case Lead** *(Dec 2021 – Present)*  
Work being done on organising for a more efficient way to introduce day-case surgery into the foot and ankle practice at the RNOH
- **Lead Clinical Role in improving IT systems in RNOH** *(Dec 2021 – Present)*  
Introducing systems for electronic PROMs, consent, complexity, complications, pre-assessment and scheduling at RNOH as part of the S P A C E D project. Role includes prototyping, testing, and helping develop the clinical pathways and improve data capture.

## Previous Leadership / Management Experience

- **Committee member: BOFAS IT Committee**  
Was initially co-opted to the British Orthopaedic Foot & Ankle Society (BOFAS) IT committee. A year later was elected as a formal position. My role on this committee involved updating the website interface and design, ensuring that both patients and members can make the best use of the various educational resources available to them. **(November 2019 – March 2024, UK)**
- **Lead for SHO teaching programme at RNOH**  
Introduced a formal teaching programme for SHOs - 'the Stanmore teaching programme for non-consultant hospital doctors'. Designed curriculum, coordinated timetable and availability of speakers and implemented feedback systems **(2019 to 2021, Royal National Orthopaedic Hospital, UK)**
- **RNOH Lead for e-trauma and trauma referral systems**  
During the COVID-19 crisis, I implemented electronic referral and trauma management systems into RNOH during its transformation to a trauma unit. This was achieved within one week. **(2020, Royal National Orthopaedic Hospital, UK)**
- **Instituting change in practice – Reducing wound complications in NOF#s**  
Audited wound complications and introduced changes based on latest evidence to combat this. This resulted in a 7-fold decrease in complication rate and earlier discharge of patients resulting in significant predicted cost-savings to the trust and improved patient care. **(2018, Barnet General Hospital, UK)**
- **Setting up a spinal myeloma pre-operative clinic**  
Extensively involved in developing referral pathways for myeloma patients undergoing Kyphoplasty. Systems in place were suboptimal and identified need for change. Worked with management team to get dedicated anaesthetic pre-assessment during myeloma clinic. **(2015, Royal National Orthopaedic Hospital, UK)**
- **Designing an evidence-based protocol**  
Introduction of an evidence-based protocol for management of Achilles tendon ruptures. **(2015, Basildon University Hospital, UK)**
- **Quality improvement project – Prospective record of patients' response to injections**  
Designed and introduced a formal prospective record for patients' response to injections given in orthopaedic out-patient clinics. Successfully introduced this and monitored uptake & success over 3 audit cycles. **(2014, Basildon University Hospital, UK)**
- **Proposal for change – Referral pathways for a new Major Trauma Centre (MTC)**  
Looked at the referral pathways for patients in a newly established trauma unit, proposed improved referral systems and pathways and designed a departmental web-page. Also established cost-effectiveness - proposals accepted **(2013, Leeds General Infirmary, UK)**
- **Proposal for change – Management of patients with hand trauma**  
Looked into the way in which patients were managed on the hand trauma unit and proposed changes to improve patient experience and care whilst improving cost-efficiency for trust – proposals accepted **(2013, Leeds General Infirmary, UK)**
- **Quality improvement project – Reducing delays in discharge of 'day-cases'**  
Reducing Delays in Discharge from an Elective Orthopaedic Ward – initial work done in 2009, implemented changes and demonstrated significant improvement in performance & cost savings **(November 2011, Bradford Royal Infirmary, UK)**

# Information Technology in Healthcare

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I have a flair for information technology and programming and use this skill-set to improve local systems. I have improved electronic handover systems and designed and managed patient databases for tertiary referral centres. I was the web-master for my Training Rotation and designed, coded and managed the website. Due to my expertise in this area I was the first trainee invited to join a committee in the British Orthopaedic Foot & Ankle Society (BOFAS). I was co-opted to their Outcomes Committee, in October 2017 and have been actively involved in leading migration of databases to the national registry, as well as other tasks. Information technology will continue to play a major role in healthcare in the future and I will continue to employ my understanding and insights in this area to improve efficiency and patient care.

## Current IT-in-Healthcare Responsibilities / Projects

- **Committee Chair: BOFAS Media & Communications Committee** *(March 2024 – Present, UK)*  
My role on this committee is to oversee committee activities and look after specific areas including: updating the website interface and design, ensuring that both patients and members can make the best use of the various educational resources available to them. I run all the society apps and feedback systems, communications with members, oversee the webinars and social media and am responsible for IT security. I also run a number of educational webinars. I am the SIRO.
- **Co-opted committee member: BOFAS OutComm Committee** *(October 2017 – Present, UK)*  
Brought in to arrange for importing of data to national registry from local registries. Role expanded to help adapt and introduce a Foot & Ankle Trauma Registry. Was joint lead investigator on a national Audit (UK-FALCON).

## Use of IT to improve Healthcare

- **RNOH S P A C E D Project: Leading Clinical Role**  
My role was to introduce the Pathpoint system to RNOH for use in streamlining referrals, patient outcomes, recording complications data and introducing electronic consent. This has facilitated research and improvements. This initiative won a prize in June 2023 – ABHI Innovation in HealthTech Award. *(January 2021 – December 2023)*
- **RNOH Lead for e-trauma and trauma referral systems**  
During the COVID-19 crisis, I successfully implemented an electronic referral and trauma management systems into RNOH during its transformation to a trauma centre. This was successfully achieved within a one week period. *(2020, Royal National Orthopaedic Hospital, UK)*
- **Designing a database for the Foot & Ankle service to record patient data and PROMs**  
Designed the protocol and backbone for a database to record clinician recorded information, operative data and patient reported outcome measures for an orthopaedic unit. Was conducted using the REDCap platform. *(February-July 2019, Melbourne Orthopaedic Group, Australia)*
- **Designing a reporting and appraisal tool for surgeon data and PROMs**  
Current PROMs and clinician data recording tool was in place but no usable output method for data. Designed a reporting tool / workflow to enable reporting of patient outcomes and included ability to generate appraisal reports for surgeons. *(2015-2016, Royal National Orthopaedic Hospital, UK)*
- **Designing and maintaining a database for a tertiary referral service**  
Regional myeloma service – designed and coded a database to record all information and subsequently analyse it. Also involved in designing an online referral form for myeloma referrals to help with data collection *(2015, Royal National Orthopaedic Hospital, UK)*
- **Webmaster for Yorkshire Orthopaedic Trainees**  
Designed and created / coded website for Yorkshire Orthopaedic Trainees. Website enhanced communication between trainers and trainees. Coded and introduced novel online system to record teaching attendance and online feedback for these. *(2013-2014, Yorkshire Deanery, UK)*
- **Improvement of Handover system**

Redesigned electronic handover system and spreadsheet to allow time-saving for junior registrars, improve handover efficacy and allow better record of care. **(2012, Leeds General Infirmary, UK)**

- **Presentation at National Forum**

'Use of the Mobile Clinical Assistant in Salford Royal Infirmary'

**(Role of IT use in Salford Royal Infirmary, presented November 2008 at Preston and Birmingham, UK)**

## Other Skills & Interests

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- Proficient in IT, graphic design, webpage designing and programming
- Previous Public-relations Officer, Webmaster and Co-founder of University Society
- Previously involved in youth leadership programmes, Toastmaster and Scouts
- Sports (badminton, tennis, squash, chess, cricket, table tennis)
- Martial Arts (holder of Black Belt 1<sup>st</sup> Dan in Hoi Jeon Moo Sool and Ju-Jitsu Practitioner)
- Playing the piano, photography, reading
- Well versed in meditation techniques

## Referees

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### Nick Cullen

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