

MOHAMMED MADI – FRCS (Tr&Orth)

Consultant Orthopaedic Spinal Surgeon

Spinal Deformity & Endoscopic Spine Surgery



PROFILE

I am a Consultant Orthopaedic and Spinal Surgeon at the Royal National Orthopaedic Hospital Stanmore, a tertiary referral centre for complex spinal pathology and deformity. I hold FRCS (Tr & Orth) and CCT on the GMC Specialist Register. I completed the nationally appointed Leeds Spinal Fellowship with combined Orthopaedic and Neurosurgical training, followed by the Spinal Disorders Fellowship at Alder Hey Children's Hospital and the Robert Jones and Agnes Hunt Orthopaedic Hospital Oswestry, with high volume exposure to adult and paediatric deformity, complex reconstruction and revision surgery.

My practice spans endoscopic spinal surgery and complex adult and paediatric deformity, major revisional surgery, scoliosis, kyphosis, trauma, infection, tumour and degenerative spinal disease. I undertook advanced full endoscopic and biportal training in South Korea under Professors Dong Hwa Heo and Hyeun Sung Kim. I hold a consulting role with RIWO Spine for training of spinal surgeons through their learning curve period, I have authored textbook chapters on spinal endoscopic techniques, and am leading the development of a structured day case endoscopic spine and enhanced recovery programme at RNOH, focused on minimally invasive endoscopic surgery.

Consultant Post

Royal National Orthopaedic Hospital NHS Trust

Feb 2025 – Present

- Deliver tertiary level adult and paediatric spinal surgery within a nationally commissioned complex spine center
 - Manage complex spinal deformity including adolescent idiopathic scoliosis, neuromuscular scoliosis, congenital deformity and adult spinal deformity
 - Deliver a dedicated day case endoscopic spinal surgery service for lumbar disc herniation, spinal stenosis and degenerative conditions
 - Utility of enabling technologies including spinal navigation and intraoperative O arm imaging
 - Provide training and supervision for spinal fellows and registrars and contribute to service development and clinical governance
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Spinal Fellowships

Harrison Spinartus Hospital, Gangnam, Seoul, South Korea

Hyeun-Sung Kim & Dong Hwa Heo

Oct 2024- Dec 2024

- Three month high volume international fellowship in full endoscopic and biportal endoscopic spinal surgery
- Hands on operative training with exposure to approximately 300 endoscopic cases:
 - Lumbar procedures including ULBD, ICLEF, TELD, ILED and TELF
 - Thoracic procedures including TE ULBD and TETD
 - Cervical procedures including CE ULBD and PCEF
 - Equivalent biportal techniques across lumbar, thoracic and cervical spine
 - Multilevel endoscopic decompression and endoscopic fusion for spinal deformity and instability
 - Endoscopic assisted spinal instrumentation

Neil Davidson, Jai Trivedi, Birender Balain, Sudarshan Munigangiah

- Adult and paediatric spinal deformity surgery including scoliosis and kyphosis correction
- Spinal endoscopy
- Complex adult degenerative spinal surgery
- Management of oncall: Spinal Trauma, Cauda Equina, Spinal infection and Tumor

Alder Hey Children’s Hospital NHS Foundation Trust

Neil Davidson, Jai Trivedi, Colin Bruce, Sudarshan Munigangiah

Aug 2023-Feb2024

- Paediatric spinal deformity surgery including adolescent idiopathic scoliosis and early onset scoliosis
- Posterior spinal fusion for paediatric deformity
- Growth rod surgery and graduation procedures
- Conservative management including thoracolumbar bracing and EDF casting for early onset scoliosis
- Management of neuromuscular and syndromic scoliosis
- Assessment and management of paediatric back pain
- Utilisation of spinal navigation and advanced enabling technologies in deformity correction.

Leeds Spinal Fellowship – Leeds Teaching Hospital NHS Trust

Aug 2022-Aug2024

Abhay Rao, Nigel Gummerson, Peter Loughenbury, Jake Timothy

- Combined Orthopaedic and Neurosurgical spinal training within a high volume tertiary referral centre
- Adult and paediatric spinal deformity surgery including complex reconstruction
- Adult degenerative spinal surgery
- On call spine rota within a major trauma centre managing spinal trauma, infection, cauda equina syndrome and metastatic spinal tumour
- Neurosurgical supervised cervical and craniovertebral surgery including occipitocervical fusion and C1 C2 instrumentation
- Instrumented spinal surgery from occiput to pelvis

EDUCATION

Bachelor of Medicine and Bachelor of Surgery MBChB		University of Manchester		2006-2012
Masters of Research (MRes)		University of Manchester		2011-2012
Membership Royal College of Surgeons		RCS (Eng)		2015
Fellowship Royal College of Surgeons (FRCS Tr&Orth)		RCS (Eng)		2021
Certificate of completion of specialist Training (CCT)		RCS (Eng)		2022
Health Education – North West Training programme				

Publications

1. Raftery KA, Levy H, Singh R, Madi M, Slater TD, Crossman AJ, et al. Intervertebral disc distraction stiffness predicts endplate subsidence following transforaminal interbody cage expansion: an ex vivo study. *Eur Spine J.* 2026 Jan.
 2. Madi M, Hwang YH, Kim H-S. Full endoscopic approach for management of cervical and lumbar foraminal pathologies. *Turkiyeklinikleri* Nov 2025.
 3. Heo DH, Kwon B, Madi M. A contralateral sublaminar approach by unilateral biportal endoscopy: management of migrated disc herniation. *Unilateral Biportal Endoscopic Spine Surgery* (pp.187-195) Oct 2025.
 4. Arshad MS, Madi M, Roche S. Management of injuries to the triangular fibrocartilage complex and distal radioulnar joint. *Orthopaedics and Trauma.* Jul 2021.
 5. Ajwani SH, Unsworth R, Tseng M, Wykes P, Madi M. Cubital tunnel decompression: equivalent outcome scores when procedure performed with local versus general anaesthetic. Dec 2018.
 6. Abou-Foul AK, Madi M, Prescott R. Metastasising pleomorphic salivary gland adenoma presenting as synchronous pulmonary and hepatic metastases. *BMJ Case Rep.* Jun 2014.
 7. Krishnamoorthy B, Al-Fagih OS, Madi M, Yonan N, et al. Closed suction drainage improves clinical outcome in patients undergoing endoscopic vein harvesting for coronary artery bypass grafting. *Ann Thorac Surg.* Mar 2012.
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Presentations

1. Spinal endoscopy for the deformity surgeon. Presented at: ISAS – International Association for the Advancement of Spinal Surgery; Suzhou, China; September 2025. (Oral)
2. Transitioning to an endoscopic practice. Presented at: KOMISS International Collaboration Symposium; Seoul, Korea; December 2024. (Oral)
3. Does plate fixation prevent cage subsidence when using 3D-printed titanium cages for anterior cervical discectomy and fusion (ACDF)? Presented at: BritSpine; Glasgow; April 2023. (Oral)
4. Impact of the trampoline park phenomenon: a retrospective cohort study on the associated injuries and financial impact on adjacent hospital. Presented at: European Federation of National Associations of Orthopaedics and Traumatology (EFORT); 2020. (Oral)
5. Retrospective analysis of the usefulness of the laboratory risk indicator for necrotising fasciitis (LRINEC score) for detecting a culture-positive diagnosis of necrotising fasciitis. Presented at: British Trauma Society (BTS); Nottingham; 2019. (Oral)
6. Ulnar nerve decompression at the cubital tunnel and the effect upon outcome scores in patients undergoing the procedure under local and general anaesthesia. Presented at: British Society for Surgery of the Hand (BSSH); 2017. (Oral)
7. Metastasising pleomorphic adenoma presenting as a synchronous pulmonary and hepatic metastasis. Presented at: The Royal College of Surgeons of Edinburgh, Second National Surgical Conference; 2014. (Poster)
8. Closed suction drainage improves clinical outcome in patients undergoing vein harvesting for coronary artery bypass grafting: a prospective, double-blinded, randomised controlled trial. Presented at: The Royal College of Surgeons of Edinburgh, Second National Surgical Conference; 2014. (Oral)
9. Antimicrobial suture wound closure for coronary artery bypass graft surgery: a prospective, double-blinded, randomised controlled trial. Presented at: 2nd National Oxford Symposium; Oxford; 2013. (Oral)
10. Fish oils induce apoptosis in myeloid leukaemia cell line K562. Presented at: 2nd National Oxford Symposium; Oxford; 2013. (Poster)