Mr Jonathan Shapey

CV

PRINCIPAL PROFESSIONAL SPECIALISMS

Consultant Neurosurgeon
BMedSci, BMBS, PhD, ARCM, FHEA, FRSM, FRCS

QUALIFICATIONS & ACCREDITATION

- Fellow of the Higher Education Authority (FHEA), 2023
- PhD in Neurosurgery, University College London, 2021
- Fellow of the Royal College of Surgeons of England (FRCS) [Neuro.Surg], 2014
- Fellow of the Royal Schools of Music (FRSM) [Distinction in Violin Performance], 2006
- Bachelor of Medicine Bachelor of Surgery, University of Nottingham, 2005
- 2003 Bachelor of Medical Science (BMedSci) [II(i)], University of Nottingham, 2003
- 2000 Associate of the Royal College of Music (ARCM), 2000

CURRENT POSITIONS

- **Hunterian Professor**, Royal College of Surgeons of England, 2023
- **Co-Director, King's NeuroLab**, Department of Surgical & Interventional Engineering and Department of Neurosurgery, King's College Hospital, 2021
- **Senior Clinical Lecturer**, Department of Surgical & Interventional Engineering, School of Biomedical Engineering & Imaging Sciences (BMEIS), King's College London, 2020
- **Honorary Consultant Neurosurgeon**, Department of Neurosurgery, King's College Hospital, 2020
- **Clinical Lead and Co-Founder**, Hypervision Surgical Ltd, 2020

PROFESSIONAL APPOINTMENTS

- **Clinical Research Training Fellow and PhD Candidate**, Wellcome / EPSRC Centre for Interventional and Surgical Science (WEISS), University College London, 2017–2020
- **Honorary Clinical Fellow**, The National Hospital for Neurology and Neurosurgery, 2017 – 2020
- **Royal College of Surgeons Senior Clinical Fellowship in Skull Base & Endoscopic Pituitary surgery**, King's College Hospital, 2016–17
- **Neurosurgery Specialty Registrar** (ST4 – 8), Melbourne and London, ST4 training year spent at the Royal Melbourne Hospital, Australia, 2010–16
- **Neurosurgery Specialty Trainee** (ST1 – 3), London, 07–10
- **Foundation Years Training** (F1 and F2), Lincoln and Nottingham, 05–07

POSITIONS OF LEADERSHIP

- Co-chair of Neurotechnology Research Strategy group, King's College, 2023
- MRC London Neurodegenerative Diseases Brain Bank – Steering Committee, 2023
- Pan-London Neurosurgery Surgical Training Committee, 2022
- Medical expert, NICE Diagnostic Assessment Programme, 2021
- Surgical Education Lead, Department of Surgical & Interventional Engineering, King's College, 2020
- Co-chair of the EPSRC Breakthrough in Healthcare Technologies conference (Chair for Clinical Technologies), 2018
- Core member of the British Neurosurgical Trainee Research Collaborative (BNTRC), 2012 – 16

NRC MEDICAL EXPERTS

www.nnrc.org.uk
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Mr Jonathan Shapey

AWARDS, PRIZES & HONOURS

- 2023 Royal College of Surgeons of England, Hunterian Professorship
- 2023 Cutlers' Surgical Prize for Surgical Innovation (awarded in conjunction with RCSEng)
- 2016 Runner-Up Poster Prize,18th National Clinicopathological Conference on Pituitary Disease
- 2003 Ffrancon Thomas Memorial Prize (for outstanding orchestral leadership), National Eisteddfod of Wales

PUBLICATIONS

Author of 61 peer-reviewed articles (h-index 21) and 3 book chapters
10 most recent publications:

1. M Renna, … J Shapey. Intraoperative bowel perfusion assessment methods and their effects on anastomotic leak rates: meta-analysis. British Journal of Surgery, znad154 (2023)
2. O MacCormac, … J Shapey. Lightfield hyperspectral imaging in neuro-oncology surgery: an IDEAL 0 and 1 study. Frontiers in Neuroscience, 17 (2023).
3. N Wijethilake, O MacCormac, T Vercauteren, J Shapey. Imaging biomarkers associated with extra-axial intracranial tumors: a systematic review. Front Oncology 13 (2023)
4. J Shapey, … S Ourselin "Diffusion MRI of the facial-vestibulocochlear nerve complex: a prospective clinical validation study." European Radiology 1-10 (2023): 1-10.
5. R Dorent, … J Shapey, T Vercauteren. "CrossMoDA 2021 challenge: Benchmark of cross-modality domain adaptation techniques for vestibular schwannoma and cochlea segmentation." Medical Image Analysis 83 (2023)
6. CRANIAL Consortium (J Shapey named co-author) "CSF rhinorrhoea after endonasal intervention to the skull base (CRANIAL): A multicentre prospective observational study." Frontiers in Oncology 12 (2023): 1049627.
7. J Wu, D Guo, L Wang, S Yang, Y Zheng, J Shapey, G Wang. "TISS-net: Brain tumor image synthesis and segmentation using cascaded dual-task networks and error-prediction consistency." Neurocomputing 544 (2023)
8. H L Horsfall, … J Shapey, … P Grover. "Generating Operative Workflows for Vestibular Schwannoma Resection: A Two-Stage Delphi's Consensus in Collaboration with the British Skull Base Society. Part 1: The Retrosigmoid Approach." Journal of Neurological Surgery Part B: Skull Base (2022).
9. H Ejaz, … J Shapey. "Artificial intelligence and medical education: A global mixed-methods study of medical students' perspectives." Digital Health 8 (2022)
10. J Shapey, … T Vercauteren. "Optical properties of human brain and tumour tissue: an ex vivo study spanning the visible range to beyond the second near-infrared window." Journal of biophotonics 15, 4 (2022)