

Mr Daniel Brown

MB ChB (Hons), FRCS (SN)

**Specialist in Neurological Surgery
(Neurovascular & Degenerative Spinal surgery)**

Curriculum Vitae



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Qualifications: MB ChB (Hons) FRCS (Eng) (InspireMedilaw report writing course)

Summary of professional experience

I am a Consultant Neurosurgeon with a full-time practice at Addenbrooke's Hospital, Cambridge University Teaching Hospitals. I am one of four consultants providing subspecialist Neurovascular care in Cambridge. I have a further specialist interest in degenerative spinal surgery and contribute to the emergency on-call neurosurgical rota.

Within my specialist practice I deal with cerebral aneurysms, cerebral bypass surgery, arteriovenous malformations, cavernoma, AV dural fistulae, spinal stenosis, cauda equina syndrome, back pain, sciatica, myelopathy and brachialgia as well as treating a wide range of general neurosurgical and spinal conditions as part of the emergency on call service including head injuries and hydrocephalus. I do not manage spinal fractures/spinal trauma

I am a clinical lead for the eBrain training platform and the Director of the Brain Mapping Cadaveric lab at Addenbrookes/Cambridge University. I serve as the Neurosurgical departments Venous Thromboembolism lead.

EDUCATION

2005-2010	Manchester School of Medicine MBChB (Hons)
2011	Members of the Royal College of Surgeons (MRCS), England
2019	Fellow of the Royal College of Surgeons (SN)

PREVIOUS APPOINTMENTS

Foundation Training (August 2010-12)

Arrowe Park Hospital, Liverpool

National Training in Neurological Surgery

Feb 2012 – Oct 2015 Royal Hallamshire Hospital, Neurosurgery

Oct 2015 – Oct 2018 Hull Royal infirmary, Neurosurgery

Oct 2018 – Aug 2019 Royal Hallamshire Hospital, Neurosurgery

CCT Neurological surgery April 20

Peri CCT Fellowship: Open skull base (August 2019-20)

Sheffield Teaching Hospitals

Royal College of Surgeons Fellowship: Neurovascular (August 2020 - April 2020)

Leeds Teaching Hospitals

Locum consultant neurosurgeon (Vascular and Skull base): University Hospitals Birmingham (April 2021 – October 2021)

Locum consultant neurosurgeon (Cerebrovascular): University Hospitals Cambridge NHS Foundation Trust (October 2021 – September 2022)

Substantive consultant neurosurgeon (Cerebrovascular & Spinal surgery) University Hospitals Cambridge NHS Foundation Trust (October 2022 – present)

GMC STATUS/COLLEGE MEMBERSHIP

1. Full registration with the General Medical Council (GMC) Membership number: 7084695
2. Fellow of The Royal College of Surgeons of England
3. Full membership of The Society of British Neurological Surgeons
4. Member: British Association of Spinal Surgeons ID 6780893
5. Member: British Neurovascular Interest Group

RESEARCH

1. **CARE Trial** *Co-investigator* University Hospitals Cambridge 2021.
2. **SC IL-1Ra in SAH trial** *Co PI* (Leeds) 2021.
 - IL-1Ra, with sub-cutaneous (SC) administration twice daily for up to 21 days post aneurysmal subarachnoid haemorrhage (aSAH), improves clinical outcome as measured by ordinal shift in mRS at 6 months.
3. **Same day embolization and microsurgical resection for brain AVM: a single center early experience** 2020
 - Single center experience
4. **RESCUE ASDH** *Co PI* (Hull) 2016 -2018
 - Multi-centre, pragmatic, parallel group randomised trial that aims to compare the clinical and cost-effectiveness of decompressive craniectomy versus craniotomy for the

management of adult head-injured patients undergoing evacuation of an acute subdural haematoma (ASDH).

5. **ENTICE (Evaluation Of National Treatment and Investigation of Cauda Equina)** national audit run by SBNS and BNTRC) May 2017
 - Evaluation of current practice of investigating and treating suspected cauda equina syndrome in the UK. National audit led by SBNS and BNTRC.
6. **Clinical outcomes during the learning curve of MIDline Lumbar Fusion (MIDLF®) using the cortical bone trajectory** 2016
 - Single center experience
7. **RESCUE ASDH *Co PI*** (Sheffield) 2015 – 2016
 - As above
8. **Use of trap door laminoplasty for the treatment of OPLL** (Sheffield) 2014
 - Single center experience

Reviewer for British Journal of Neurosurgery 2020 – Present

PRESENTATIONS/POSTERS

1. **Cambridge University Hospitals Clinical Effectiveness Group Meeting: VTE assessment in Neurosurgery.**
 - CEG Aug 2022
2. **Is neurovascular fellowship training possible during a Pandemic?**
 - BNVG 2022
3. **Evaluating the post-operative management and complications of non-traumatic subarachnoid haemorrhage (SAH) after neurosurgical clipping versus endovascular coiling at Addenbrooke's Hospital Neurosurgical Unit**
 - BNVG 2022
4. **Is a post-operative HDU bed required for elective cerebral aneurysm clipping? A single centre experience of 137 cases**
 - BNVG 2022
5. **18-month Prospective Outcomes of Lumbar Fusion using Cortical Bone Trajectory**
-SBNS 2018
6. **Same day embolization and surgery for brain AVM: A single centre early experience**
-British Neurovascular Group Meeting 2018
7. **Use of open door laminoplasty for the treatment of OPLL**
-Brit Spine 2013
8. **Audit of Consent for Use of Bovine Derived Dural substitutes in neurosurgery**
-SBNS 2013
9. **Outcomes following reconstruction after partial pharyngectomy in hypopharyngeal carcinomas** - The European Head and Neck Society Poland 2012

PUBLICATIONS

1. Brown DP, Graham C, Smith A, Story M, Robson C, Maliakal P, Kounin G, Castanho P. (2020) **Same day embolisation followed by microsurgical resection of brain arteriovenous malformations: a single centre early experience**, British Journal of Neurosurgery doi 10.1080/02688697.2020.1765972
2. Fountain D et al. (2019) **Evaluation of nationwide referral pathways, investigation and treatment of suspected cauda equina syndrome in the United Kingdom**, British Journal of Neurosurgery doi 10.1080/02688697.2019.1648757
3. Robson CH, Paranathala MP, Dobson G, Ly F, Brown D, O'Reilly G. (2018) **Early mobilization does not increase the complication rate from unintended lumbar durotomy**, British Journal of Neurosurgery 4:1-3. doi: 10.1080/02688697.2018.1508641.
4. Brown, DP. McConnell, N. List, R. Olubajo, F. Highley, R. Storey, M and Kounin, G. (2018) **Spontaneous hemorrhage into a large abducens nerve schwannoma: a case report**, British Journal of Neurosurgery 29: 1-3 PMID: 29376441
5. Dabbous, B. Brown, DP. Tsitlakidis, A. Arzoglou V. (2016) **Clinical outcomes during the learning curve of MIDline Lumbar Fusion (MIDLF®) using the cortical bone trajectory**, Acta Neurochir (epublished ahead of print). PMID: 27117906
6. Nadler, R. Brown, DP. Khera, G. Hignnett, S. Makin, C. (2012) **Local recurrence rates after operable rectal cancer surgery**. International Journal of Surgery 10 (8) p.S24.

(doi:10.1016/j.jisu.2012.06.130)

7. Kinshuck, A. Brown, DP. Jones, T. Arya, A. Ho, M. Tandon, S. Lancaster, L. Jackson, S. Shaw, R. Roland, N. (2012) **Reconstruction following partial pharyngectomy in hypopharyngeal carcinomas**, European Archives of Otorhinolaryngology and Head & Neck 269(4) p.1398. (DOI 10.1007/s00405-012-1960-4)
8. Brown, DP. Coleman, N. (2010) **Culture negative endocarditis in the ICU. A case of Bartonella Henselae endocarditis**. British Journal of Intensive Care. 20(3) p.73-74.

NATIONAL COMMITTEE POSITIONS

1. British Neurosurgical Trainee Association (BNTA) Post CCT/Fellowship representative 2020-2022

MANAGEMENT/LEADERSHIP POSITIONS

1. Consultant VTE lead Cambridge University Hospitals Div D
2. Director: Brain Mapping Cadaveric Lab, Addenbrooke's Hospital
3. Clinical Lead: eBrain

TEACHING

I am a keen teacher/trainer and have experience organising, developing and delivering formal and informal teaching and training. During my subspecialist fellowships I have gained experience training neurosurgical registrars in vascular and skull base operative procedures.

I volunteer as a mentor for NANSIG and have two mentees at any one time

1. Tutor: Cambridge University Medical School (Neurosciences module)
2. Cambridge Lectures in Neuroanatomy: Faculty for cadaveric approaches course
3. Medtronic (Cambridge CAD lab) International Cranial approaches course
4. Re-invited to CADSIM neurovascular skull base approaches course, Leeds, Jan 2023
5. OSCE examiner Cambridge University Medical School 2022
6. Yorkshire Neurovascular/skull base cadaveric approaches course 2022: Invited faculty
7. Facilitator: Neurosurgery module (4th year), University of Cambridge School of Medicine
8. Neurosurgery representative Psychiatry and neuroscience (PAN) 4th year introduction course University of Birmingham 2021: Tutor for firm during PAN (weekly seminars).
9. Midlands Neuroscience nursing course (Subarachnoid haemorrhage) 2021
10. Dragon's Den neurosurgical research evening (Judge) UHB 2021
11. BNTA International fellowship fair: Conference organizer 2021
12. Invited speaker: Yorkshire Regional Neurosurgical Teaching Program: Open approaches to the anterior cranial fossa 2021
13. Invited speaker: Sheffield departmental teaching: Basic concepts in base of skull surgery 2020
14. Departmental teaching Leeds Hospital Teaching Hospital, Skull base approaches, Future of neurovascular surgery in the UK, Craniovertebral decompression: Surgical nuances 2020
15. Structured vascular teaching program for the neurovascular clinical nurse specialists Leeds General Infirmary Hospitals August 2020
16. Course director: NANSIG/SBNS Introduction to Neurosurgery Workshop 2020 - present
17. Structured formal phase 3a neurosciences module (remote learning during COVID-19) 2019
18. Set up, led and contributed to a joint regional teaching program between Hull and Sheffield neurosurgical departments during the COVID-19 pandemic
19. Invited faculty to Aberdeen FRCS course 2019
20. Train the Trainer course in 2019
21. Invited faculty for Sheffield cadaveric approaches course (Vascular and skull base approaches) 2018
22. Invited faculty to regional Chiari syringomyelia training day Birmingham (2016, 2017 and 2018)
23. Phase 3a cadaveric neuroanatomy demonstrating Sheffield University 2014, 2015, 2016
24. The University of Sheffield OSCE examiner training course 2015
25. OSCE examiner The University of Sheffield

INFORMATION TECHNOLOGY

I am proficient in the use of Word, Excel, Access, PowerPoint, MS Teams and Outlook to carry out various non-clinical duties. I am also proficient in the use of Brain lab and STEALTH and its planning software and Zeiss IR Flow 800 for use in the clinical setting.