

Dr Joseph Frantzias, *BSc, MBChB, MSc, FEBNS, FRCS (SN)*

UK Licence: GMC No. 7131871 (Specialist register, full registration)

California Licence (2113 exemption): SPI780

Royal College Registration: FRCS (SN) – Member no 9054095

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QUALIFICATIONS & ACADEMIC HISTORY

2025	Jun	Fellowship in spine surgery Stanford University, USA
2024	Jun	Fellowship in Cerebrovascular and skull base surgery Stanford University, USA
2023	Mar	Fellow of the European Board of Neurological Surgery (FEBNS) The European Association of Neurosurgical Societies (EANS)
2022	Aug	Certificate of Completion of Training (CCT) in Neurosurgery - NTN No. LDN/031/014/C Joint Committee on Surgical Training (JCST), UK
2022	Mar	Fellow of the Royal College of Surgeons (in Surgical Neurology) - FRCS(SN) The Royal College of Surgeons of England (RCSEng), UK
2014	Jun	Masters in Neuroimaging for Research University of Edinburgh, UK
2011	Jul	Bachelor of Medicine and Bachelor of Surgery - MBChB University of Edinburgh, UK
2008	Jul	Bachelor of Medical Sciences (BMedSci) with honors (Experimental Pathology) University of Edinburgh, UK

HONORS & AWARDS

- EANS Aesculap research prize *honorable mention* (Awarded to runner-up of a pan-European competition on research work relevant to neuroscience. Berlin, Germany, 2019)
- Codman award (For post-training fellowship, awarded to the top 5 candidates in the UK. Codman, 2021)
- Ranked 3rd in the UK in Neurosurgery National Selection for neurosurgery residency (Sheffield, UK, 2014)
- Richard Mills Award (Awarded to a top candidate in the UK. Agency: RCSEng, UK, 2013)
- Merit (top 10% of year group) in Medicine and Surgery, University of Edinburgh (UK, 2010 and 2011)

GRANTS

2006-2007 **Funder:** British Division of the International Academy of Pathology award (BDIAP)
Title: The role of Sprouty 2 in oncogene-induced senescence and melanomagenesis
Role: Co-investigator (Principal Investigator L. Patton)

2006-2007 **Funder:** Association of Physicians of Great Britain and Ireland (APGBI)
Title: The role of Sprouty 2 in oncogene-induced senescence and melanomagenesis
Role: Co-investigator (Principal Investigator L. Patton)

SUMMARY OF TRAINING, EMPLOYMENT & CLINICAL CARE

Sept 2025- **Consultant/Attending neurosurgeon**
Aretaio Hospital, Nicosia, Cyprus

July 2025- **Stanford Visiting Scholar**
Stanford University

May 2024 - **Independent consultant for medicine, OpenAI**
OpenAI, California

<u>Jul 2024 – Jul 2025</u>	<u>Stanford Adjunct Faculty/Clinical Instructor in Complex Spine</u> <i>Drs Jon Park and John Ratliff, Stanford University</i>
<u>Jun 2023 – Jul 2024</u>	<u>Stanford Adjunct Faculty/Clinical Instructor in Cerebrovascular and Skull Base</u> <i>Dr Gary Steinberg, Stanford University</i>
<u>Jan 2023 – Apr 2023</u>	<u>Toronto Open Cerebrovascular Fellowship</u> <i>Dr Ivan Radovanovic, Toronto Western Hospital, Canada</i>
<u>Aug 2014 – Aug 2022</u>	<u>ST1-8 (PGY1-8) - Neurosurgery run-through trainee, South Thames (London, UK)</u> <i>St George's Hospital, King's College Hospital, Brighton Hospital, St Thomas' Hospital</i>
<u>Oct 2013 – Jun 2014</u>	<u>Core Surgical Trainee, London Deanery</u> <i>St George's Hospital</i>
<u>Aug 2011 – Aug 2013</u>	<u>Academic Foundation Trainee, Edinburgh</u> <i>Royal Infirmary of Edinburgh, Western General Hospital, Royal Edinburgh Hospital</i>

PUBLICATIONS (only peer-reviewed articles included)

PEER-REVIEWED ARTICLES (21)

1. **Frantzas J.**, Levinson S., Serghiou S., et al. Predictive Factors for Outcomes after Multimodality Treatment of Pediatric Intracranial Arteriovenous Malformations: A Retrospective Single-Center Experience. *Neurosurgery Practice* 2025. In press.
2. Pyne S., Barton G., Turner D., Mee H., Gregson BA., Koliass AG., et al. Cost-effectiveness of craniotomy versus decompressive craniectomy for UK patients with traumatic acute subdural haematoma. *BMJ Open*. 2024 Jun 16;14(6):e085084.
3. **Frantzas J.**, Bagley JH., Steinberg GK. Surgical treatment of brain arteriovenous malformations in patients with hereditary hemorrhagic telangiectasia: a single-center experience. *J Neurosurg*. 2024 Jun 7;141(6):1675-1680.
4. Mancuso-Marcello M., **Frantzas J.**, Hardwidge C. A case of conservatively managed idiopathic spinal cord herniation presenting with low-pressure headache. *J Surg Case Rep*. 2024 Mar 8;2024(3):rjae063.
5. Gallagher MJ., **Frantzas J.**, Kailaya-Vasan A., Booth TC., Toliaas CM. The changing landscape of cerebral revascularization surgery: A United Kingdom experience. *Front Radiol*. 2022 Sep 8;2:981501.
6. Hutchinson PJ., Adams H., Mohan M., Devi BI., Uff C., Hasan S., et al. British Neurosurgical Trainee Research Collaborative, NIHR Global Health Research Group on Acquired Brain and Spine Injury, and RESCUE-ASDH Trial Collaborators; RESCUE-ASDH Trial Collaborators. Decompressive Craniectomy versus Craniotomy for Acute Subdural Hematoma. *N Engl J Med*. 2023 Jun 15;388(24):2219-2229.
7. **Frantzas J.**, Ghimire P., Lavrador J., Pereira N., Bhangoo R., Thomas N. Combined extradural and intradural approach to a trigeminal nerve hemangiopericytoma with cranial nerve monitoring: technical note of a rare case. *Journal of Surgical Case Reports* 2022(10)rjac445.
8. Loan JJM., Tominey S., Baweja K., Woodfield J., et al. on behalf of Sodium After Subarachnoid Haemorrhage (SaSH) audit collaborators. Prospective, multicentre study of screening, investigation and management of hyponatraemia after subarachnoid haemorrhage in the UK and Ireland. *Stroke Vasc Neurol* 2022; Sept 23:svn-2022-001583.
9. Gallagher MJ., **Frantzas J.**, Kailaya-Vasan, A., Thomas NW., Booth T., Toliaas CM. The changing landscape of cerebral revascularization surgery: A United Kingdom Experience. *Front Radiol* 2022; 2: 981501.
10. **Frantzas J.**, Kailaya-Vasan J.(contributed equally), Anderson IA., Walsh DC. Current decision support tools fail to agree or predict therapeutic decisions in a single cohort of unruptured intracranial aneurysms. *Acta Neurochirurgica* 2022; 164(3):771-9.
11. Demetriadis AK., Mancuso-Marcello M., Mirza A., **Frantzas J.**, Bell D., Selway R., Gullan R. Acute bilateral foot drop with or without cauda equina syndrome – a case series. *Acta Neurochirurgica*, 2021; 163: 1191-98.
12. **Frantzas J.**, Polyzoidis S., et al. Spreading of struma ovarii tumour through a lumbo-peritoneal shunt: a case report. *Br J Neurosurgery* 2019; 20:1-3.
13. Al-Shahi Salman R., **Frantzas J.**, Lee JL., (all 3 contributed equally) et. al. Absolute risk and predictors of the growth of acute spontaneous intracerebral haemorrhage: a systematic review and meta-analysis of individual patient data. *Lancet Neurology* 2018; 17(10): 885-94.
14. Hanrahan J., **Frantzas J.**, Lavrador JP., Bodi I., Zebian B. Posterior fossa arachnoid cyst causing torticollis and gastro-oesophageal reflux in an infant. *Childs Nerv Syst* 2018; 34(12): 2519-23.
15. Sivasubramaniam V, Alg VS, **Frantzas J.**, Acharya SY, Papadopoulos MC, Martin AJ. 'Noises in the head': a prospective study to characterize intracranial sounds after cranial surgery. *Acta Neurochirurgica (Wien)* 2016; 158(8):1429-35.

16. Tsang ST., Mills LA., **Frantzias J.**, Baren JP., Keating JF., Simpson AH. Exchange nailing for nonunion of diaphyseal fractures of the tibia: our results and an analysis of the risk factors for failure. *Bone Joint Journal* 2016; 98-B(4):534-41.
17. Tsang STJ., Mills LA., Baren J., **Frantzias J.**, Keating JF., Simpson AHRW. Exchange nailing for femoral diaphyseal fracture non-unions: Risk factors for failure. *Injury* 2015; 46(12): 2404-9.
18. Rehman H., Fitzgerald JE., **Frantzias J.**, Lemon J., Ahmen I. The need for training frameworks and scientific evidence in developing scarless surgery: A national survey of surgeons' opinions. *International Journal of Surgery* 2013; 11(1): 73-6.
19. **Frantzias J.**, Logan J.G., Mollat P., Sparatore A., Del Soldato P., Ralston SH, Idris AI. Hydrogen sulphite-releasing diclofenac derivatives inhibit breast cancer-induced osteoclastogenesis in vitro and prevent osteolysis ex vivo. *British Journal of Pharmacology* 2012; 165(6):1914-25.
20. **Frantzias J.**, Sena SE., Macleod MR., Al-Shahi Salman R. Treatment of intracerebral hemorrhage in animal models: meta-analysis. *Annals of Neurology* 2011; 69(2):389-99.
21. Josephson CB., **Frantzias J.**, Samarasekera N., Al-Shahi Salman R. The persisting burden of intracerebral haemorrhage: can effective treatments be found? *PLoS Medicine* 2010; 7(10):e1000353.

PRESENTATIONS (only international included)

INTERNATIONAL

2024	Oct	Predictive Factors for Outcomes, Complications, and Obliteration Rates in Pediatric AVMs Congress of Neurological Surgeons Annual Meeting, Houston (Poster)
2024.	Sep	Predictive Factors for Outcomes, Complications, and Obliteration Rates in Pediatric AVMs Western Neurosurgical Society Meeting, San Diego (Oral)
2019	Sep	Comparison of PHASES and UIATS decision-support tools with a shared decision-making model at a high-volume UK neuro-vascular centre EANS Dublin, Ireland (Oral)
2019	Sep	EC-IC bypass: Is its demise inevitable? A single-centre experience EANS Dublin, Ireland (Oral, ePoster)
2019	Mar	Absolute risk and predictors of the growth of acute spontaneous 'primary' intracerebral haemorrhage: an individual patient data meta-analysis. EANS Aesculap Award, Berlin, Germany (Oral, Honourable mention)
2018	May	Timing of surgery for pituitary apoplexy: the King's series. Society of British Neurological Surgeons (SBNS)/Hellenic Neurosurgical Society joint meeting, Crete, Greece (Oral)
2017	May	Absolute risk and predictors of the growth of acute spontaneous 'primary' intracerebral haemorrhage: an individual patient data meta-analysis. European Stroke Organisation Conference (ESOC) 2017, Prague, Czech Republic (Oral)
2017	Feb	Torticollis and gastroesophageal reflux: a rare presentation of a posterior fossa arachnoid cyst European Society of Pediatric Neurosurgery (ESPN) 2017, Rome, Italy (Oral)
2016	Apr	Exchange nailing for lower limb diaphyseal fracture non-unions. Absence of periosteal reaction is predictive of failure Combined Orthopaedic Associations meeting, Cape Town, South Africa
2016	Apr	Exchange nailing for tibial diaphyseal fracture non-unions. Risk factors for failure Combined Orthopaedic Associations meeting, Cape Town, South Africa
2015	May	Exchange nailing for lower limb diaphyseal fracture non-unions. Absence of periosteal reaction is predictive of failure European Federation of National Associations of Orthopedics and Traumatology (EFFORT) Congress, Prague. Czech Republic
2015	May	Exchange nailing for tibial diaphyseal fracture non-unions. Risk factors for failure EFORT Congress, Prague, Czech Republic
2015	May	Exchange nailing for femoral diaphyseal fracture non-unions EFORT Congress, Prague, Czech Republic
2013	Jun	Which type of patient sustains occult hip fractures? EFFORT Congress, Istanbul, Turkey
2010.	Sep	H₂S-releasing compounds as novel anti-resorptive and anti-tumour agents Cancer and Bone Society Conference, Sheffield, UK
2010	May	Therapeutic interventions to improve neurobehavioural outcome in experimental ICH European Stroke Conference (ESC), Barcelona, Spain (Oral)

COURSES

Neuroscience of Emotions Stanford Course (*Online, Stanford, 2024*), **How to Build Successful startups: Learn Lessons Straight from Silicon Valley Entrepreneurs** (*Stanford, 2024*), **Cyberknife Physician Course** (*Accuray, 2024*), **Chicago Spine Fellows Stryker Course** (*Chicago, 2024*), **Globus/Nuvasive Spine Fellows Course** (*San Diego, 2024*), **Medical Statistics Stanford Course** (*Online, Stanford University, 2023*), **Toronto Cerebrovascular Surgery International Course** (*Toronto, Canada, September 2022*), **IRCAD course in skull base approaches** (*Strasbourg, France, June 2022*), **ATLS – Advanced Trauma Life Support** (*RCSEd, UK, 2022*), **Leadership and Management Course** (*St George's Hospital, London, UK*), **Teach the Teachers course** (*Oxford Medical, London, UK*), **Krakow Course in Neurosurgery** (*online*), **Aberdeen FRCS course** (*Aberdeen, Scotland*), **The European Course in Minimally-Invasive Neurological Therapy (ECMINT)** (*Oxford, UK*), **The EANS Courses** (*Vilnius - Lithuania, Edinburgh - Scotland, Jerusalem - Israel, Sarajevo - Bosnia*), **Tours white matter dissection course** (*Tours, France*), **Advanced Neurosurgical Techniques course** (*Leeds, UK*), **International Neurovascular Course on AVMs** (*Athens, Greece*), **The London Neuromonitoring course** (*London, UK*), **Surgical Innovation Competition** (*Edinburgh, UK*), **Neuroradiology for neurosurgeons** (*Edinburgh, UK*), **The degenerative spine course** (*London, UK*), **ST3 Neurosurgery Bootcamp for trainees** (*Coventry, UK*), **The International Neurosurgery Residents Course** (*Charite Hospital, Berlin, Germany*), **Cambridge lectures in neurosurgical anatomy** (*Cambridge, UK*), **Cambridge neurovascular approaches course** (*Cambridge, UK*), **Approaches to the lumbar spine** (*Guy's Hospital, London, UK*), **St George's Hospital course in Neuroanatomy** (*London, UK*), **ST1 Neurosurgery Bootcamp for trainees** (*Manchester, UK*), **Operative Skills in Neurosurgery** (*RCSEd, London, UK*), **Edinburgh Clinical Research Methodology Course** (*Edinburgh, UK*), **Basic Surgical Skills Course** (*Edinburgh, UK*), **Advanced Life Support - ALS** (*Edinburgh, UK*), **Future Surgeons: Critical Care** (*Edinburgh, UK*), **Clinical Communication Course** (*Edinburgh, UK*), **Teach the Teachers Course for Doctors** (*Oxford, UK*), **Beginners in Neurosurgery Hands-on Course** (*Coventry, UK*), **2nd Tubingen Course for Neurosurgeons on Microsurgical Approaches** (*Tubingen, Germany*)

TEACHING EXPERIENCE

- **Medical student teaching**
 - Cerebrovascular surgery through Virtual Reality, Stanford Medical School, Stanford, 2023-2025
 - Anatomy demonstrator, Brighton and Sussex Medical school, Brighton, UK, 2021
 - Lectures on Neurosurgery, Kings College London and St George's Medical School, UK, 2021-2022
 - Regular teaching of medical students and junior doctors on wards, theatres, clinics 2011-2022 (UK)
- **Chair of the Neurology and Neurosurgery Student Interest Group (NANSIG) 2012 – 2013, London, UK**
 - Setting up of a network of NANSIG representatives in medical schools whose role was to organize neuro teaching locally
 - NANSIG national careers day in association with the SBNS
 - Organisation of the NANSIG website with educational section
- **Medical Student Conferences:**
 - Faculty at International Kings College Medical Student Neurosurgery Conference, London UK (2017, 2018, 2019)
 - Organiser of the Neurology and Neurosurgery Student Interest Group (NANSIG) careers day, London, UK, 2013
 - Organiser of the ATRIUM (Academic TRaining In Undergraduate Medicine) National Research Conference, Edinburgh, UK, 2010
 - Student organizer of the Edinburgh medical school careers fair in 2010, Edinburgh, UK
- **Courses**
 - Teach the Teachers Course for Doctors, London, UK 2012 and 2022

ENTERPRENEURSHIP

- **OpenAI, independent contractor. May 2024-**
 - Contributing physician in OpenAI's HealthBench evaluation. Contributed to advanced human data initiatives for OpenAI, designed to improve the safety of AI models on health-related questions. Responsibilities included evaluating the accuracy and quality of model-generated health-related responses. These efforts helped ensure the safety of AI solutions.

MANAGERIAL EXPERIENCE

- **Leadership and Management course**, St George's Hospital, London, UK, 2021
- **British Neurosurgical Trainees Association (BNTA)**: elected member of the committee, 2019-2021, UK
- **Lead Senior House Officer**, Royal Sussex County Hospital, Brighton, UK, 2019-2020
 - Responsibility for rota allocation and management of SHO-related issues

- **Lead Senior House Officer**, Kings College Hospital 2016-2017
 - Responsible for ensuring ward cover, shift allocation, and dealing with a variety of issues that arise for the eleven other senior house officers in the department. It is a difficult role that involves balancing expectations and using diplomacy and team other leading skills
- **Chairman of the national Neurology and Neurosurgery Student Interest Group (NANSIG)**, 2012-2013, UK
 - Involved in organising events such as a national neurosurgical careers day, and a website with useful teaching resources
- **ATRIUM**
 - Involved in setting up this Edinburgh medical student academic society, the first one in Scotland, UK
 - As the organizer of the ATRIUM research conference, I promoted the event from local to national, with 89 participants from all over Scotland
- **Other events and positions of responsibility**
 - Student organizer of the Edinburgh medical school careers fair in 2010
 - Year 3 and international student representative at the Edinburgh Medical Student Council
- **Sports**
 - Member of the organising committee of the Edinburgh Meadows Marathon, a charity event with more than 1000 competitors, and voted Charity Event of the Year by the Edinburgh University Students Association 2009, Edinburgh, UK
 - Men's junior and seniors captain in high school

AUDIT AND QUALITY IMPROVEMENT

2020	Sodium After Subarachnoid Haemorrhage (SASH) <i>National audit, local lead, Brighton</i>
2019	Factors affecting length of stay for patients with brain tumours <i>Kings College Hospital, London, UK (First cycle)</i>
2018	Chemical thromboprophylaxis in patients with External Ventricular Drains , King's College Hospital, London, UK (First cycle)
2015	The ENT Outpatients' Clinic Audit <i>RNTNE Hospital, London, UK (Complete cycle)</i>
2014	Management of spinal trauma <i>St George's Hospital, London, UK (First cycle)</i>
2013	Quality of immediate discharge letters: do surgical sub-specialties need specific templates? (Complete cycle) <i>Western General Hospital, Edinburgh, UK</i>
2012	How good are we at excluding pregnancy in patients undergoing intra-operative X-rays during neurosurgical procedures? <i>Western General Hospital, Edinburgh, UK (Complete cycle)</i>
2010	An audit of the management of epilepsy affecting adults with cavernous (CMs) or arterio-venous malformations (AVMs) of the brain <i>Scotland, UK (First cycle)</i>

PERSONAL INTERESTS

- I enjoy playing the **violin** (much to the disappointment of flat mates and neighbors!). Achieved grade 7 of the ABRSM (2004) and played in various orchestras including the Cyprus National School of Music Orchestra
- **Sports**: I have participated in various competitions, including running for Cyprus (800m) and won both the junior and senior Victor Ludorum (best overall athlete) shield in high school