

CURRICULUM VITAE

DEVA SANJEEVA JEYARETNA

MD, FRCS(SN)

Full name: Deva Sanjeeva Jeyaretna

Professional Memberships: Royal College of Surgeons of England
Society of British Neurological Surgeons
British Medical Association
General Medical Council

Advanced Trauma Life Support: Provider

Education and Qualifications:

- 2001 Bachelor of Medicine
University of Southampton
- 2005 MRCS
Royal College of Surgeons England
- 2014 FRCS (SN)
Royal College of Surgeons England
- 2014 Doctor of Medicine
University of Southampton

Awards and Grants:

1. Nuffield Oxford Hospitals Fund Grant
June 2018. £11,000 educational grant.
2. British Journal of Neurosurgery Prize Cambridge SBNS 2010
Best paper prize at the Society of British Neurosurgeons Spring Scientific Meeting.
2010 Cambridge.
3. American Association of Cancer Research Full Scholarship
Molecular Biology in Clinical Oncology Workshop
2008 Aspen, Colorado.
4. Cold Spring Harbour Laboratory Travel Award
Brain Tumors Course
2008 Cold Spring Harbour Laboratory, New York.

Employment

Consultant in Neurosurgery (Skull base surgery and neuro-oncology)

John Radcliffe Hospital, Oxford
Nuffield Department of Clinical Neurosciences,
University of Oxford.

Skull Base Surgery Service Lead

Oxford University Hospitals NHS Foundation Trust

Programme Director for Higher Surgical Training in Neurosurgery

John Radcliffe Hospital, Oxford and Thames Valley Postgraduate School of Surgery

Divisional (NOTTS) Medical Informatics Lead

Oxford University Hospitals NHS Foundation Trust

Teaching:

Formal appointments

- Training Programme Director for the Neurosurgical Residency Programme at Oxford University Hospitals NHS Foundation Trust (2016 – present)

Director Oxford Skull Base Course

International cadaveric course on advanced techniques in open and endoscopic skull base surgery with an international faculty and participants.

Invited faculty

- Cambridge Lectures in Neurosurgical Anatomy, Cambridge (2018)
- “Operative Skills in Neurosurgery” Royal College of Surgeons of England, London (2012 - 2017)

Cadaveric course, teaching international delegates operative neurosurgical approaches.

- 3D Neuroanatomy Course – Anterior and middle skull base, Endoscopic and microscopic approaches, Alicante, Spain (2016)
- Oxford Subcortical 3D Anatomy and White Fibre Dissection Course (2016 - 2017)

This was the UK's first brain white fibre dissection course, run in conjunction with my colleague at OUH.

Oxford University

- Clinical undergraduate and postgraduate teaching
- Undergraduate preclinical teaching - Senior Lead for neuroanatomy at the Department of Physiology, Anatomy and Genetics.
- Supervision of Neuroanatomy Dissection Fellow
- Supervision of DPhil students

Other

- Severn Deanery MRCS Anatomy Course (2012-2014)
- Teaching at Frenchay Hospital and Derriford Hospital

Research

- **2018 Meningiomas – Molecular biology, translational therapies and patient outcomes**
- **2016 - 2018 Development of in vitro glioma stem cell models from patient samples, for personalized medicine**

Collaborators: Dr Val Macaulay and Prof Len Seymour
John Radcliffe Hospital and Oxford University

- **2015- 2017 Co-investigator on Phase III clinical trials at the John Radcliffe Hospital, Oxford**
- **2007 – 2009 The oncolytic herpes simplex virus G47delta as a therapeutic agent against the glioma stem cell sub-population of glioblastomas**

Massachusetts General Hospital and Harvard Medical School

My research involved investigating novel, translational methods for augmenting oncolytic viral therapies against glioblastomas. The principle areas of my research were:

- Developing glioma stem cell models from human glioblastomas
 - Delineating and subsequently disrupting the protective niche between glioma stem cells and endothelial cells
 - Identifying the radio-resistant subset of glioma stem cells and exploiting the vulnerabilities of the tumour DNA repair machinery
- **1999 – 2000 Dermatomal Somatosensory Evoked Potentials**

Supervisor: Prof. E.M. Sedgwick
Department of Neurophysiology, Southampton University

Publications:

1. Surgical consent practice in the UK following Montgomery ruling: A national cross-sectional questionnaire study
McKinnon C, Loughran D, Finn R, Coxwell-Matthewman, Jeyaretna DS, Williams A
Int J Surg. 2018 May 24;55:66-72
2. Perfused three-dimensional organotypic culture of human cancer cells for therapeutic evaluation.
Wan X, Ball S, Willenbrock F, Yeh S, Vlahov N, Koennig D, Green M, Brown G, Jeyaretna S, Li Z, Cui Z, Ye H, O'Neill E
Sci Rep. 2017 Aug 25;7(1):9408
3. More than meets the MRI: case report of a carcinoid tumour metastasis mimicking a meningioma.
Harrison CJ, Martin SC, Hofer M, Corkill R, Jeyaretna DS, Griffiths SJ.
Br J Neurosurg. 2017 May 11:1-2
4. Head injury in the elderly – what are the outcomes of neurosurgical care?
Whitehouse KJ, Jeyaretna DS, Enki DG, Whitfield PC
World Neurosurg. 2016 Oct;94:493-500
5. Neurosurgical Care in the Elderly: Increasing Demands Necessitate Future Healthcare Planning.
Whitehouse KJ, Jeyaretna DS, Wright A, Whitfield PC
World Neurosurg. 2016 Mar;87:446-54
6. Multifaceted oncolytic virus therapy for glioblastoma in an immunocompetent cancer stem cell model.
Cheema TA, Wakimoto H, Fecci PE, Ning J, Kuroda T, Jeyaretna DS, Martuza RL, Rabkin SD
Proc Natl Acad Sci U S A. 2013 Jul 16;110(29):12006-11
7. Combination of oncolytic herpes simplex viruses armed with angiostatin and IL-12 enhances antitumor efficacy in human glioblastoma models.
Zhang W, Fulci G, Wakimoto H, Cheema TA, Buhrman JS, Jeyaretna DS, Stemmer Rachamimov AO, Rabkin SD, Martuza RL
Neoplasia. 2013 Jun;15(6):591-9
8. Sporadic primary malignant intracerebral nerve sheath tumors: case report and literature review
Barnard ZR, Agarwalla PK, Jeyaretna DS, Farrell CJ, Gerstner ER, Tian D, Curry WT Jr.
J Neurooncol. 2011 Sep;104(2):605-10

9. Bevacizumab exacerbating cerebral radiation necrosis
Jeyaretna DS, Curry Jr. WT, Batchelor TT, Stemmer-Rachamimov A, Plotkin SR.
Journal of Clinical Oncology. 2011; 29(7):e159-62
10. Neuralgia of the glossopharyngeal and vagal nerves: long-term outcome following surgical treatment and literature review
Kandan SR, Khan S, Jeyaretna DS, Lhatoo S, Patel N, Coakham H.
British Journal of Neurosurgery. 2010; 24(4):441-6.
11. Human glioblastoma-derived cancer stem cells: establishment of invasive glioma models and treatment with oncolytic herpes simplex virus vectors.
Wakimoto H, Kesari S, Farrell CJ, Curry WT Jr, Zaupa C, Aghi M, Kuroda T, Stemmer-Rachamimov A, Shah K, Liu TC, Jeyaretna DS, Debasitis J, Pruszk J, Martuza RL, Rabkin SD.
Cancer Res. 2009; 69(8):3472-81
12. Recent advances in the development of oncolytic herpes simplex virus type 1 (HSV-1) vectors: "Arming" of HSV-1 vectors and application of bacterial artificial chromosome (BAC) technology for their construction.
Jeyaretna DS, Kuroda T.
Curr Opin Mol Ther 2007; 9(5):447-66
13. Oncolytic Herpes Simplex Virus Therapy for Peripheral Nerve Tumours
Jeyaretna DS, Rabkin SD, Martuza RL.
Neurosurg Focus 2007; 22(6):E4
14. A case of elbow hyperextension leading to complete brachial artery rupture.
Jeyaretna DS, Butler M, David HG, Walker AJ.
World J Emerg Surg. 2007; 2(1):6
15. Neurofibroma of the breast: A rare cause of gynaecomastia.
Jeyaretna DS, Watkins RM.
World J Surg Oncol. 2007; 5(1):23

Book Chapters:

1. Chapter 4. Clinical assessment of the head injured patient: an anatomical approach.
Deva S. Jeyaretna and Peter C. Whitfield in
Head Injury: A Multidisciplinary Approach. Editors: Whitfield PC, Thomas EO, Summers F, Whyte M, Hutchinson PJ.
2009. Cambridge University Press.