



DR. SUKALYAN PURKAYASTHA

Director – Neurointervention & Endovascular Surgery, Imaging Sciences & Interventional Radiology

Qualification

MD (Radiodiagnosis) | DNB (Radiodiagnosis) | DM (Diagnostic & Interventional Neuroradiology) | CCST (Clinical Radiology-UK) | MBA (Hospital & Health System Management -BITS, Pilani)

Overview

Dr. Sukalyan Purkayastha is a highly experienced and renowned specialist in the field of neurointervention and endovascular surgery, with a strong reputation for managing complex vascular conditions. He holds prestigious qualifications including MD and DNB in Radiodiagnosis, a DM in Diagnostic & Interventional Neuroradiology, and CCST in Clinical Radiology from the UK, reflecting his extensive academic and clinical training. With over 26 years of experience, he brings deep expertise in handling complex neurovascular and vascular cases with precision and innovation. His core areas of expertise include neurointerventional surgery, interventional neurology, peripheral endovascular procedures, and comprehensive stroke management. He has a special interest in advanced treatments for brain aneurysms and arteriovenous malformations, utilising techniques such as coiling, flow diverters, and embolisation. He is highly skilled in acute stroke care, including life-saving procedures like mechanical thrombectomy, along with medical management. His clinical work also includes carotid and

intracranial stenting, treatment of dural and carotid cavernous fistulas, and management of spinal vascular disorders. Beyond neurovascular care, he performs a wide range of interventional procedures such as vertebroplasty, kyphoplasty, uterine fibroid embolization, bronchial artery embolisation, aortic stent grafting, and laser treatment for varicose veins. He is an active member of several prestigious professional organisations, including STNI, SNVI, ISNR, ISVIR, ANEI, and IRIA, reflecting his engagement with the global medical community. He is fluent in multiple languages, including English, Bengali, Hindi, and Assamese, and has a working knowledge of Malayalam, enabling him to connect with a diverse patient base. He is widely recognised for his expertise in minimally invasive, image-guided procedures that ensure faster recovery, improved outcomes, and enhanced patient care.

Fellowship & Membership

- Society of Therapeutic Neurointervention (STNI)
- Society of Neurovascular Intervention (SNVI)
- Indian Society of Neuroradiology (ISNR)
- Indian Society of Vascular & Interventional Radiology (ISVIR)
- Association of Neuroscientists of Eastern India (ANEI)
- Indian Radiological Imaging Association (IRIA)

Field of Expertise

- Aneurysm Coiling (Flow Diverter Treatment of Brain)
- Aneurysm (Complex Aneurysm Treatment with Special Endovascular Devices)
- Brain Arteriovenous Malformation Embolization
- Complex Carotid Cavernous Fistula Embolization/Treatment
- Brain Dural Fistula Treatment
- Carotid and Intracranial Stenting

- Idiopathic Intracranial Hypertension Treatment
- Retinoblastoma Embolization
- Chronic Subdural Hematoma Treatment
- Stroke Treatment including Medical Management and Mechanical Thrombectomy
- Spinal Arteriovenous Fistula Embolization
- Spinal Arteriovenous Malformation Treatment
- Vertebroplasty
- Kyphoplasty
- Uterine Fibroid Embolization
- Bronchial Artery Embolization
- Aortic Stent Graft Treatment
- Varicose Vein Laser Treatment

Languages Spoken

- English
- Bengali
- Hindi
- Assamese
- Malayalam

Awards & Achievements

- Included in the biography of 'The Marquis Who's Who in Medicine and Healthcare-6th Edition 2006-2007' for outstanding achievement in the field of medicine.
- 'Healthcare Pioneers of the East 2020' awarded by Times of India for outstanding contribution to the growth of Interventional Neuroradiology in the Eastern Part of India (26th February 2020, Kolkata).

Talks & Publications

- MRI Pulse sequences (Annual State Conference of IRIA 2006, West Bengal Branch; 25th - 26th November 2006, Kolkata).
- Vascular Interventions (Annual State Conference of IRIA 2006, West Bengal Branch; 25th - 26th November 2006, Kolkata).
- Cranial Dural Arteriovenous Fistula: Endovascular treatment and long-term follow-up (9th Annual Conference ISNR, 17TH - 19TH November 2006, Gauhati, Assam).
- Management of Cerebral Aneurysms with Long Term Follow-up: Indian Experience (12th Asia Pacific Congress of Cardiovascular & Interventional Radiology; 21st - 24 April 2016, Suzhou, China).
- 6th Asia Pacific Congress of Cardiovascular and Interventional Radiology (Incorporating 7th Annual Congress of Indian Society of Vascular and Interventional Radiology, 31st Oct - 3rd Nov 2004, New Delhi, India).
- Takayasu Arteritis with Multiple Intracranial Aneurysms- H.A. Sonwalkar, A.K.Gupta, S Purkayastha, N K Bodhey, T Krishnamoorthy. *Interventional Neuroradiology* 2004; 10(3): 249-252.
- Proatlantal Intersegmental Arteries of External Carotid Artery Origin Associated with Vein of Galen Malformation- Sukalyan Purkayastha, A.K. Gupta, Ravi Varma, T.R.Kapilamoorthy. *American Journal of Neuroradiology* 2005; 26: 2378 - 2383.
- Cerebral Myxomatous Angiopathy: Imaging Features- H.A. Sonwalkar, A.K.Gupta, D Ravi Varma, S Purkayastha, N K Bodhey, C Kesavadas. *Rivista Di Neuroradiologia* 2004; 17 (4): 558-560.
- Intradural Extramedullary Aspergilloma Complicating Acute Lymphatic Leukemia: A Case Report- S Purkayastha, A.K.Gupta, T R Kapilamoorthy, H.A. Sonwalkar. *Rivista Di Neuroradiologia*

2004; 17 (4): 569-572.

- Percutaneous Retrieval of Intravascular Broken Catheter Fragments: A Novel Technique Using a Balloon- A.K.Gupta, Sukalyan Purkayastha, T. Krishnamoorthy. Interventional Neuroradiology 2005; 11:149 - 152.