

DR. ANINDYA BASU

Senior Consultant and Clinical Lead – Spine Surgery

Qualification

MBBS | MS (Orthopaedics) | MRCS | MCh (Orthopaedics) | DNB (Orthopaedics) | MNAMS | AO Global Spine Diploma

Overview

Dr. Anindya Basu is a Senior Consultant and Clinical Lead at the Department of Spine Surgery at Manipal Hospital Mukundapur. With an exemplary academic background followed by years of extensive, hands-on experience over the course of his practice, Dr. Anindya Basu is one of the most renowned spine surgery experts in Kolkata. In his professional journey of over 14 years, with 10 years of specialized focus on spinal surgery, Dr. Anindya Basu has been associated with several renowned medical establishments in India and UK. This honed his expertise in various aspects of spinal surgery, particularly complex deformity correction, scoliosis corrections , endoscopic spine surgery, revision spine surgery, anterior spinal surgeries and 3D navigation-guided surgeries. For the last 4 years, Dr. Anindya Basu is the only surgeon in Kolkata to have performed over 200 endoscopic spinal surgeries, including awake TELD and UBE. This upholds Dr. Basu’s meticulous attention towards detail and endless pursuit of patient excellence. Beyond his surgical excellence, Dr. Anindya Basu has significantly contributed towards medical advancement. He has several publications under his name and is actively involved in a number of on-

going research projects. He is a member of various notable establishments, including The Royal College of Physicians and Surgeons of Glasgow, North American Spine Society (NASS) and Indian Orthopaedic Association. A respected leader and passionate educator, Dr. Anindya Basu has presented at several conferences both nationally and internationally. A renowned expert in his field, Dr. Anindya Basu blends surgical excellence and patient centricity in his approach.

Fellowship & Membership

- Clinical Fellowship in Complex Spine Surgery, Royal Victoria Infirmary, Newcastle, UK
- Scottish National Spine Deformity Fellowship, Royal Hospital for Sick Children and Royal Infirmary, Edinburgh, UK
- Spine Endoscopy Fellowship, Good Moonwha Hospital Busan & Himplus Hospital, South Korea
- The Royal College of Physicians and Surgeons of Glasgow
- North American Spine Society (NASS)
- Association of Spine Surgeons of India
- Indian Orthopaedic Association
- West Bengal Orthopaedic Association
- Asia Pacific Spine Society
- Association of Minimally Invasive Spine Surgeons of Bharat
- International Society of Unilateral Biportal Endoscopy
- Scoliosis Research Society

Field of Expertise

- Complex spinal deformity – Scoliosis and kyphosis corrections
- Minimally invasive Spine Surgeries - tubular fusions and discectomies
- Endoscopic spine surgery (TELD, UBE)

- Intraoperative Spinal Neuromonitoring
- Computerised 3D Navigation-guided procedures

Languages Spoken

- English
- Bengali
- Hindi

Awards & Achievements

- Gold Medalist in Surgery, Medical College Kolkata (2009-10).
- Best Outgoing Student MS Orthopaedics Examination (2014) – RG Kar Medical College Kolkata.
- Former Unit Head and Senior Consultant Spine Surgeon and Faculty In-Charge of the FNB Spine Fellowship Programme at the Institute of Neurosciences Kolkata (INK).

Talks & Publications

- Choose your eyes in spine surgery- Chennai UBE Meet 2025.
- UB Endoscopic TLIF - Neurocon Nepal, SSWBCON , WIROC 2025.
- UB Endoscopic ULBD – ASSI Operative course Mumbai 2025.
- Pseudoarthrosis in MIS – Management strategy- ASSI Operative course Mumbai 2025.
- Convex Instrumentation technique for Adolescent Idiopathic Scoliosis – Should this be the Gold Standard –AO Spine Regional conference Bangkok 2025.
- Enhanced recovery pathway after AIS surgery – Scoliosis week – Deformity marathon 2025.
- UB Endoscopic TLIF is better than MIS or Open TLIF – Asian UBE

Meet 2025.

- Basics of Unilateral Biportal Endoscopy – Indore Cadaveric Spine Surgery course.
- UBE Discectomy – Comprehensive Minimally Invasive spine surgery course AIIMS Rae Bareli 2025.
- UBE TLIF UBECON Nepal 2025 (Virtual talk).
- UBE TLIF – why do I prefer it more than MIS TLIF – Britspine Manchester 2025.
- Navigated MIS TLIF – Medtronic -MSR cadaveric course on Spinal Navigation 2024.
- Bleeding control in UBE- RASE India Cadaveric workshop Mumbai 2024.
- Jitendra Nath Pal, Anindya Basu, Sunit Hazra, et al. Bizarre Parosteal Osteochondral Proliferation of Metatarsal:Journal of Evidence Based Medicine and Healthcare, 2014.
- Pal JN, Kar M, Hazra S, Basu A. Differential diagnosis of BPOP: Journal of Orthopaedic Case Reports 2015.
- Selvin PV, Gerber C, Basu A, Basu G, Mhatre R. Epidural angiolipoma and Andersson lesion: Indian Spine J 2021.
- Prabhakar VS, Gerber C, Basu A, et al. Surgical management of aggressive vertebral hemangioma: Indian Spine J 2021.
- Selvin PV, Gerber C, Basu A, et al. Polyostotic Spinal Paget's Disease:J Korean Soc Spine Surg. 2022.
- Selvin PV, Gerber C, Basu A, et al. Modified "Lift up" Laminoplasty: J Korean Soc Spine Surg. 2022.
- Tosaddeque Hussain, Indranil Ghosh, Christopher Gerber, Anindya Basu, et al. Postpartum Paraplegia following Spinal Anaesthesia… Journal of Surgical Case Reports.
- Prabhakar, Selvin; Shahi, Pratyush; Hussain, Md. Tosaddeque; Tiwari, Mona; Gerber, Christopher; Basu, Anindya.
- Utility of Diffusion Tensor Imaging in Predicting Outcomes Following Surgical Treatment of Degenerative Cervical Myelopathy. Neurology India 73(2):p 292-297, Mar–Apr 2025. |

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- Selvin V, Gerber C, Basu A, Tiwari M, Hussain TMD, Ganguly J. Hirayama disease and its management: Experience of a tertiary care center in Eastern India. Indian Spine J 2025;8:26-35.
- Debajyoti Datta, Debarshi Chatterjee, Mona Tiwari, Soutrik Das, Anindya Basu:Intramedullary Spinal Epidermoid Cyst—A Rare Cause of Spastic Paraparesis: Asian Journal of Neurosurgery: Article published online: 2024-06-04
- Vijayan, Selvin P.; Gerber, Christopher; Basu, Anindya; Mhatre, Radhika1. Isolated Spinal Intramedullary Neurocysticercosis: Case Report and Review of Literature. Indian Spine Journal 6(1):p 96-100, Jan–Jun 2023. | DOI: 10.4103/isj.isj_100_21.
- Christopher J Gerber, Anindya Basu, Selvin Prabhakar. Bioengineering of Spinal Implants. Springer Nature Singapore.