



DR. SHUMAYOU DUTTA

Senior Consultant - Spine Surgery

Qualification

MBBS | MS (Orthopaedics) | FASSI (Spine) | Fellow IASA | Fellow Endoscopic Spine Surgery

Overview

Dr. Shumayou Dutta is a Senior Consultant Spine Surgeon in the Department of Orthopaedics at Manipal Hospital EM Bypass. He is vastly experienced in spine surgery having received advanced training at leading international and national centres, including Hospital for Special Surgery (USA), Bombay Hospital, St Vincent Hospital, Indian Spinal Injuries Centre, and Nanoori Hospital. He is among a select group of spine surgeons in India formally trained in advanced navigation and robotics-assisted spine surgery. With over 15 years of clinical experience, Dr. Dutta has performed more than 2500 spine procedures, managing a wide spectrum of conditions including degenerative spine disorders (disc prolapse, spinal stenosis), trauma, infections, and spinal deformities. His surgical approach integrates minimally invasive and endoscopic techniques with navigation and robotic guidance, supported by structured perioperative protocols designed to enhance precision, reduce complications, and enable early recovery. Beyond clinical practice, Dr. Dutta is actively engaged in academic and educational initiatives. He has authored 11 scientific publications in leading international spine journals, contributed

chapters to orthopaedic textbooks, and serves as a reviewer for the journal Spine. His academic and clinical contributions have been recognised through multiple prestigious international awards, including the SRS Global Outreach Scholarship, Asia Pacific Spine Society-SICOT Travelling Fellowship, Patrick Kluger Best Published Paper Award, and several best paper and poster awards across major spine societies. He is also the founder of SpineLife, a patient education platform focused on simplifying complex spine conditions and promoting informed decision-making. His practice combines surgical precision with clear communication, making him a trusted name in comprehensive spine care.

Fellowship & Membership

- ASSI Clinical Fellowship in Spine Surgery, Bombay Hospital
- IASA Spine Fellowship Hospital of Special Surgery, New York,
- Fellowship in Endoscopic Spine Surgery, Nanoori Hospital Korea,
- Fellowship in Complex Spine Surgery, Catholic Hospital, Suwon, Korea
- APSS-SICOT Travelling Fellowship 2020; Evangelisches Waldkrankenhaus Spandau. Berlin Germany
- ASSI Inland Travelling Fellowship; Ganga Hospital, Coimbatore
- North American Spine Society (NASS)
- Association of Spine Surgeons of India
- AO Spine
- West Bengal Spine Society
- Asia Pacific Spine Society
- Association of Minimally Invasive Spine Surgeons of Bharat

Field of Expertise

- Minimally Invasive Spine Surgery (MISS); Tubular, Endoscopic, UBE, MED, PTLED
- Degenerative Spine Disorders (Slipped Disc, Sciatica, Cervical Spondylosis)
- Spinal Fusion Surgery (MIS-TLIF, Open TLIF, including advanced techniques such as KLIF)
- Spine Trauma Management
- Spinal Infections (including Spondylodiscitis)
- Osteoporotic Spine Fractures
- Revision Spine Surgery
- Image-Guided and Navigation-Assisted Spine Procedures
- Non-Surgical Spine Care and Rehabilitation Protocols

Languages Spoken

- English
- Hindi
- Bengali

Awards & Achievements

- SRS Global Outreach Scholarship Award, Arizona, USA 2020
- APSS-SICOT Travelling Fellowship Award 2020, Germany
- Patrick Kluber Best Published Paper Award 2018
- IASA Fellowship Award 2018 (USA)
- Best Spine Reconstruction Award 2018 (San Diego, USA)
- ASSI Inland Travelling Fellowship Award 2017
- VTI Gold Paper Award Session 2017 (Runners up)
- Asia-Pacific Cervical Spine Society, Best Poster. Seoul Korea 2016
- P S Ramani Best Paper Award, National Neuro-Spine Association, 2016

Talks & Publications

- Dutta S, Kundnani V, Dusad T and Patel A. Feasibility And Outcome Of Stand-Alone Trans-Articular Screw Fixation In Atlanto-Axial Instability In Children Less Than 8years Of Age. *European Spine Journal* 2018. May 2018, Volume 27, Issue 6, pp 1342 - 1348. DOI: 10.1007/s00586-018-5510-7
- Dusad T, Kundnani V, Dutta S. Comparative prospective study reporting intra-operative parameters, pedicle screw perforation and radiation exposure in Navigation guided MIS-TLIF versus Non navigated fluoroscopy assisted MIS-TLIF. *Asian Spine Journal*. 2018;12(2):309-316. DOI: <https://doi.org/10.4184/asj.2018.12.2.309>
- Dusad T, Kundnani V, Dutta S, Patel A, Mehta G, Singh M. Minimally Invasive Microscope-Assisted Stand-Alone Transarticular Screw Fixation without Gallie Supplementation in the Management of Mobile Atlantoaxial Instability. *Asian Spine Journal*. 2018;12(4):710-719. DOI: <https://doi.org/10.31616/asj.2018.12.4.710>
- Dutta S, Kulkarni A. A novel technique to instrument proximal and distal clinical adjacent segment pathology. *J Minim Invasive Spine Surg Tech*. 2017;2(1):44-46. doi: <https://doi.org/10.21182/jmisst.2017.00164>
- Dusad T, Kundnani V, Dutta S, Patel A, Mehta G, Singh M. An unusual case of intradural intramedullary dorsal bronchogenic cyst in the spine. Case Report. *Journal of Spine Surgery* 2017. 3. 514-518. Doi: 10.21037/jss.2017.08.10
- Kulkarni AG, Patel RS, Dutta S, Patil V. Stand-alone lateral recess decompression without discectomy in patients presenting with claudicant radicular pain with MRI evidence of lateral recess stenosis secondary to lumbar disc herniation. *Spine (Phila, Pa 1976)*. 2017 Jul 1;42(13):984-991.

- <https://doi.org/10.1097/BRS.0000000000001944>
- Kulkarni A, Dutta S, Dhruv A, Bassi A. Should we label all synovial cysts as unstable? Global Spine Journal. 2017, Volume: 7 issue: 7, page(s): 629-635 doi:
<https://doi.org/10.1177/2192568217700103>
 - Kulkarni AG, Patel RS, Dutta S. Does Minimally Invasive Spine Surgery Minimise Surgical Site Infections? Asian Spine J. 2016 Dec;10(6):1000-1006.
<https://doi.org/10.4184/asj.2016.10.6.1000>
 - Dutta S, Bhave A, Patil S. Correlation of 1.5 Tesla Magnetic Resonance Imaging with Clinical and Intraoperative Findings for Lumbar Disc Herniation. Asian Spine J. 2016 Dec;10(6):1115-1121.
<https://doi.org/10.4184/asj.2016.10.6.1115>
 - A.Kulkarni, T. Kunder and Dr Shumayou Dutta. Degenerative Spondylolisthesis. When to Fuse and When Not to? A New Scoring System. Clin Spine Surg 2020 Mar 16 doi:
[10.1097/BSD.0000000000000970](https://doi.org/10.1097/BSD.0000000000000970)