

S.NO.

Salutation

Professor

Doctor's Name

Ashish Suri

Gender Category

Male

Profile Photo



Name of Department /Center Facilities/Specialty Centers

Department of Neurosurgery, Neurosciences Centre, All India Institute of Medical Sciences, New Delhi

Faculty/Staff/Student Category

Faculty

Designation

Professor and Head, Unit II (NS Unit-2), Department of Neurosurgery

Study Designation

Professor Neurosurgery

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About Us

Prof. Ashish Suri is Professor and Head of Neurosurgery Unit-II in the Department of Neurosurgery, All India Institute of Medical Sciences (AIIMS), New Delhi, and Adjunct Professor at the School of Information Technology, Indian Institute of Technology Delhi (IIT Delhi).

A Gold Medalist MBBS graduate of the University College of Medical Sciences, University of Delhi, he completed his MCh in Neurosurgery from AIIMS New Delhi in 1998 and DNB in Neurosurgery in 1999. He joined the faculty of AIIMS as Assistant Professor of Neurosurgery in 2000. Between 2000 and 2002, he underwent advanced postdoctoral fellowship training in major neurosurgical subspecialties at leading centres in the United States, Canada, Germany and Slovenia.

During more than 32 years of service at AIIMS, Prof. Suri has performed over 10,000 neurosurgical procedures and made major contributions to skull-base surgery, neuroendoscopy, neuro-oncology, cerebrovascular neurosurgery and epilepsy surgery. His landmark clinical achievements include performing the world's first successful brain surgery at extreme high altitude in Leh, Ladakh; India's first phrenic-nerve stimulation surgery for a ventilator-dependent quadriplegic patient; and surgery on the Guinness World Record holder for the world's tallest woman.

Prof. Suri is the founding leader of the Neurosurgery Skills Training Facility and the Neurosurgery Education and Training School, which have trained more than 3,000 neurosurgical trainees from India and over 20 countries. At the AIIMS-IIT Delhi Neuro-Engineering Facility, he established two Government of India Centres of Excellence: the DBT Centre of Excellence for AI-Based Neurosurgery Simulation and the ICMR Centre of Excellence for Neurosurgery Medical Devices.

His academic record includes more than 445 peer-reviewed publications, over 220 e-books, more than 275 conference presentations, 13 patents and over 20 innovative technologies. He has an h-index of 47, i10-index of 201 and more than 8,511 Google Scholar citations. He has been elected Fellow of all four premier Indian science and medical academies—FAMS, FNASc, FASc and FNA—and has served as President of the Skull Base Surgery Society of India, the Neuroendoscopy Society of India and the Cerebrovascular Society of India.

Awards & Fellowships

FELLOWSHIPS:

Fellow, Indian National Science Academy (FNA) – 2024
Fellow, Indian Academy of Sciences (FASc) – 2024
Fellow, National Academy of Sciences India (FNASc) – 2020
Fellow, National Academy of Medical Sciences (FAMS) – 2014

AWARDS:

Prix Galien India Award 2026 – Best Academic Sector (NEURO-INNOVATE)
Prix Galien India Award 2024 – Best Academic Sector (NEURO-MENTOR)
AIIMS Excellence Research Award – 2024
IIT-D Industry Day Innovative Devices Award – 2022
AIIMS Research Day Innovative Devices Award – 2022
North American Skull Base Society – Best International Paper Award – 2019
National Academy of Sciences India - NASI Platinum Jubilee Award – 2016
Sun Pharma Research Award – 2016
National Academy of Medical Sciences - NAMS Golden Jubilee Commemoration Award Oration – 2015
DBT Tata Innovation Fellowship Award – 2015

Innovation in Medical Science and Biotechnology (Rashtrapati Bhawan Exhibition, ICMR) – 2015
 DBT National Bioscience Award for Career Development – 2014
 Indian Society of Pediatric Neurosurgery - IndSPN Best Paper Award – 2003
 International Society of Pediatric Neurosurgery - ISPN Scholarship – 2003
 North American Spine Society & Spine Journal – Outstanding Paper Award – 2002
 Neurological Society of India - NSI Best Paper Award – 2002
 MBBS Merit Certificate Gold Medal, UCMS, Delhi University – 1992

Research Projects

Role: Principal Investigator & Chief Coordinator

1. DBT Centre of Excellence — Collaborative Neuro-Engineering Platform for Excellence in Innovation and Translational Research Neurosurgery Simulation (AIIMS + IIT-D), 2018–2024; Government / Centre of Excellence - Department of Biotechnology (DBT), Govt. of India; 6 years; Rs. 819 Lakhs
2. ICMR Centre of Excellence for Neurosurgery Medical Devices (AIIMS + IIT-D), 2023–2028; Government / Centre of Excellence- Indian Council of Medical Research (ICMR), Govt. of India; 5 years; Rs. 956 Lakhs
3. Neurosurgery Skills Training Facility and Experimental Laboratory, 2007–2012; Government / Grant-in-Aid - Department of Science and Technology, Govt. of India; 5 years; Rs. 94 Lakhs
4. Collaborative Indo-German Programme for Bilateral Workshops in Microsurgical and Endoscopic Neurosurgery, 2009–2012; Government / Grant-in-Aid / Bilateral International; Department of Biotechnology (DBT), Govt. of India; 3 years; Rs. 75 Lakhs
5. Expansion of DST + DBT Sponsored Neurosurgery Skills Training Facility and Development of 3D Stereoscopic Virtual Training Modules (AIIMS + IIT-D), 2012–2013; Government / Grant-in-Aid / Inter-Institutional; DHR / ICMR, Govt. of India; 1 year; Rs. 148 Lakhs
6. Evaluation of Neurosurgery Skills by Hands-On and Virtual Training Modules - web based, tele-education and real time evaluation (AIIMS + IIT-D), 2012–2016; Government / Grant-in-Aid / Inter-Institutional - Indian Council of Medical Research (ICMR), Govt. of India; 4 years; Rs. 188 Lakhs
7. Upgradation of Neurosurgery Skills Training Facility with 3D Endoscopic & Microscopic Facility and Central Repository Server for Archival, Streaming and Teleconferencing (AIIMS + IIT-D), 2013–2018; Government / Grant-in-Aid- Department of Science and Technology, Govt. of India; 5 years; Rs. 650 Lakhs
8. Operational Research: Neurosurgery Skills Training (AIIMS + IIT-D), 2016–2021; Government / Grant-in-Aid / Inter-Institutional; DHR / ICMR, Govt. of India; 5 years; Rs. 99 Lakhs
9. Material Characterization of Brain Tissue and Development of Tissue-Device Interaction based Neurosurgical Simulation Tools (AIIMS + IIT-D), 2020–2025; Government / Grant-in-Aid - DHR / ICMR, Govt. of India; 5 years; Rs. 839 Lakhs
10. Development of 3D-Printed and Sensor-Integrated Neurosurgical Simulators 2026–2028; Industry / CSR / Sponsored - Under AIIMS Corporate Social Responsibility (CSR); 3 years; Rs. 149.84 Lakhs
11. Artificial Intelligence-AI and 3D Model-Assisted Neurosurgical Planning, Assistance, and Skills Evaluation Systems, (AIIMS + IIT-D), 2026 – 2029; Government / Grant-in-Aid / Inter-Institutional - Indian Council of Medical Research (ICMR); 3 years; Rs. 686.12 Lakhs
12. Development of Low-Cost Versatile Endoscopic Equipment System for Neurosurgery (AIIMS + IIT-D), 2012–2016; Government / Grant-in-Aid / Inter-Institutional - Department of Science and Technology — Instrumentation Development Programme (DST-IDP), Govt. of India; 4 years; Rs. 86 Lakhs
13. High Precision Synthetic Diamond Instrumentation for Minimally Invasive Neurosurgery, (AIIMS + IIT-D), 2025–2028; Government / Grant-in-Aid - ICMR, Govt. of India; 3 years; Rs. 199 Lakhs
14. Antisense Pharma Multinational RCT: AP 12009 in Recurrent High-Grade Glioma: Intratumoral Continuous Microperfusion, 2004–2009; Industry / International Sponsored - Antisense Pharma GmbH, Regensburg, Germany; 5 years; Rs. 26 Lakhs

15. ISPN/ISGNE — International Infant Hydrocephalus Study (IIHS): Prospective Multi-Centre RCT — ETV vs Shunting; 2006–2011; Collaborative / International - International Society of Pediatric Neurosurgery (ISPN) / International Study Group on Neuro-endoscopy (ISGNE); 5 years; Rs. 1.5 Lakhs

Publications

Scientific Publications in International Journals

1. Singh R, Chavakula P, Chatterjee J, Saini A, Joshi D, Suri A. Turning a knob: deep learning-based prediction of torque and arm angles using force myography. *Phys Eng Sci Med*. 2026 Mar;49(1):515-526. doi: 10.1007/s13246-025-01685-0.
2. Dhanakshirur RR, Singh R, Berry P, Jain H, Suri A, Kalra PK, Arora C. From manual parametric to artificial intelligence-based automation: A systematic review of recent advances in endoscopic surgical skills evaluation. *J Minim Access Surg*. 2026 Feb 26. doi: 10.4103/jmas.jmas_225_25.
3. Poudel S, Dash D, Wagle Shukla A, Garg A, Upadhyay AD, Wig N, Rajan R, Das A, Mr D, Tripathi M, Srivastava AK, Kale SS, Chandra PS, Suri A, Pal PK, Kumar H, Saggi S, Vibha D, Singh RK, Parihar J, Jadon RS, Meena VP, Prakash B, Elavarasi A. CSF tap test parameters and Short-Term outcomes in operated and non-operated patients with idiopathic Normal Pressure Hydrocephalus: A cohort study. *Clin Park Relat Disord*. 2026 Jan 28;14:100425. doi: 10.1016/j.prdoa.2026.
4. Singh J, Bhardwaj S, Singh S, Mansoori S, Vasant S, Srivastava K, Kedia S, Garg A, Suri A, Sharma MC, Sarkar C, Suri V. Pediatric and Adolescent/Young Adult High-Grade Gliomas With Adult-Type Molecular Features. *Pathol Int*. 2026 Jan;76(1):e70087. doi: 10.1111/pin.70087.
5. Gautam U, Singh MB, Mahajan S, Tripathi S, Suri V, Garg A, Kumaran SS, Roy S, Suri A. Biomechanical Characterization of Epileptic Brain for Surgical Planning of Intractable Epilepsy. *J Biomed Mater Res A*. 2026 Jan;114(1):e70017. doi: 10.1002/jbma.70017.
6. Singh R, Sivaj S, Singh R, Saini A, Sen C, Jha S, Saha SK, Suri A. A compact hand-held continuum manipulator for minimally invasive neurosurgery. *J Robot Surg*. 2025 Dec 5;20(1):56. doi: 10.1007/s11701-025-03019-4.
7. Shahin M, Singh J, Mansoori S, Vasant S, Shah SA, Verma SS, Kedia S, Garg A, Suri A, Sharma MC, Sarkar C, Suri V. Expanding morphological spectrum of pilocytic astrocytomas: insights from integrated histopathological and multiomic profiling. *J Neurooncol*. 2025 Nov 5;176(1):69. doi: 10.1007/s11060-025-05326-0.
8. Bhardwaj S, Singh J, Singh S, Roy C, Jangir H, Vasant S, Das S, Kedia S, Garg A, Suri A, Sharma MC, Dimayacyac JR, Stengs L, Tabori U, Das A, Sarkar C, Suri V. Unveiling MMR deficiency in pediatric and AYA high-grade gliomas: insights from multiomic profiling. *J Neurooncol*. 2025 Oct 15;176(1):16. doi: 10.1007/s11060-025-05261-0.
9. Pandit S, Kapoor I, Rath GP, Suri A. Comparison of Enhanced Recovery After Surgery Protocol Versus Conventional Care in Patients Undergoing Craniotomy for Intracranial Aneurysms: A Randomized Controlled Trial. *A Pract*. 2025 Oct 30;19(11):e02075. doi: 10.1213/XAA.0000000000002075.
10. Kumarasamy S, Sharma R, Verma SK, Singh PK, Gupta DK, Suri A, Kale SS. Bobble-head doll syndrome and Suprasellar Arachnoid cyst: A rare experience and systematic literature review. *Neurosurg Rev*. 2025 Sep 17;48(1):645. doi: 10.1007/s10143-025-03770-0.
11. Gupta Y, Goswami S, Arora M, Malik N, Irshad K, Kundu A, Gowda SH, Kapoor M, Gupta S, Nag TC, Suri V, Suri A, Chattopadhyay P, Sinha S, Chosdol K. Atypical cadherin FAT1 promotes tumorigenesis by suppressing autophagic cell death in glioblastoma under hypoxia or nutrient stress. *Cell Mol Biol Lett*. 2025 Sep 3;30(1):106. doi: 10.1186/s11658-025-00783-x.
12. Devnani B, Gupta S, Pareek V, Biswas A, Kp H, Singh M, Tandon V, Suri A, Julka PK, Rath GK. Impact of adjuvant therapy on survival in treatment of CNS hemangiopericytomas. *Cancer Treat Res Commun*. 2025;45:100982. doi: 10.1016/j.ctarc.2025.100982.
13. Phom MH, Das S, Charan BD, Suri V, Sahu S, Garg A, Borkar S, Suri A, Sharma MC. Intracranial mesenchymal tumor with EWSR1-rearrangement (FET::CREB family): A case series with clinico-radiological and

pathological correlation and review of literature. *Clin Neuropathol*. 2025 Jul-Aug;44(4):159-168. doi: 10.5414/NP301682. PMID: 40454531.

14. Kumar R, Dhanakshirur RR, Singh R, Suri A, Kalra PK, Arora C. A deep learning approach for objective evaluation of microscopic neuro-drilling craniotomy skills. *Comput Biol Med*. 2025 Sep;196(Pt A):110650. doi: 10.1016/j.compbiomed.2025.110650. Epub 2025 Jul 11. PMID: 40644889.
15. Dandapath I, Singh J, Das S, Jangir H, Roy C, Dan Charan B, Manjunath N, Garg A, Suri A, Kedia S, Sharma MC, Khonglah Y, Ahmed S, Sarkar C, Suri V. Comprehensive transcriptomic profiling of fusions and abnormal variant transcripts in pilocytic astrocytoma using NanoString nCounter technology. *Pathol Res Pract*. 2025 Jul;271:156024. doi: 10.1016/j.prp.2025.156024. Epub 2025 May 14. PMID: 40403356.
16. Gautam U, Jangir H, Jain H, Suri V, Garg A, Roy S, Suri A. Understanding the Mechanical Properties of Pituitary Adenomas for Optimized Surgery. *J Biomed Mater Res A*. 2025 Jun;113(6):e37940. doi: 10.1002/jbm.a.37940. PMID: 40448379
17. Bhardwaj S, Jangir H, Singh S, Singh J, Sharma MC, Suri A, Kedia S, Garg A, Sarkar C, Suri V. PXA-like tumors: prognostic implications. *Childs Nerv Syst*. 2025 May 31;41(1):198. doi: 10.1007/s00381-025-06853-x. PMID: 40450089
18. Jangir H, Yadav S, Hayagrivas MB, Singh J, Sumanta Das, Sahu S, Roy C, Sharma MC, Sarkar C, Suri A, Suri V. CLINICAL utility of assessing CDKN2A status in recurrent astrocytomas. *Brain Tumor Pathol*. 2025 Apr;42(2):21-25. doi: 10.1007/s10014-025-00496-1. Epub 2025 Mar 13. PMID: 40080309.
19. Mishra BM, Garg A, Suri A, Nayak MK. Metachronous tumour (DNET and haemorrhagic chiasmal tumour) in a patient with encephalocraniocutaneous syndrome (ECCL). *BMJ Case Rep*. 2025 Mar 31;18(3):e264724. doi: 10.1136/bcr-2024-264724. PMID: 40164482
20. Wadekar A, Jangir H, Sahu S, Roy C, Das S, Suri A, Sharma MC, Sarkar C, Suri V. Evaluating the efficacy of Hip1R, Vimentin, and H3K27me3 as surrogate markers for 1p/19q co-deletion in oligodendrogliomas. *Neurooncol Adv*. 2025 Mar 25;7(1):vdaf060. doi: 0.1093/noonadv/daf060. PMID: 40351829; PMCID: PMC12063079
21. Charan BD, Goel V, Das S, Jain S, Garg A, Sebastian LJD, Agarwal S, Suri A, Bhatia R, Shah SA. Meningioangiomas with Variable Imaging Feature: Rare Cause of Drug Refractory Epilepsy. *Asian J Neurosurg*. 2025 Jan 10;20(2):373-377. doi: 10.1055/s-0044-1801375. PMID: 40485807; PMCID: PMC12136959
22. Singh S, Bhardwaj S, Dandapath I, Singh J, Das S, Mohan T, Bora SK, Kedia S, Suri A, Sharma MC, Sarkar C, Faruq M, Suri V. Clinical utility of plasma cell-free DNA (cfDNA) in diffuse gliomas for the detection of IDH1 R132H mutation. *Pathol Res Pract*. 2024 Nov;263:155571. doi: 10.1016/j.prp.2024.155571. Epub 2024 Sep 14. PMID: 39298928
23. Khan MT, Almas M, Malik N, Jalota A, Sharma S, Ali SA, Luthra K, Suri V, Suri A, Basak S, Seth P, Chosdol K, Sinha S. STAT1 mediated downregulation of the tumor suppressor gene PDCD4, is driven by the atypical cadherin FAT1, in glioblastoma. *Cell Signal*. 2024 Jul;119:111178. doi: 10.1016/j.cellsig.2024.111178. Epub 2024 Apr 18. PMID: 38640981.
24. Mahajan A, Charan BD, Agarwal S, Goel V, Sebastian LJD, Suri V, Suri A, Garg A. Imaging and MR Spectroscopy in Papillary Craniopharyngioma. *Acta Med Litu*. 2024;31(1):68-74. doi: 10.15388/Amed.2024.31.1.10. Epub 2024 Feb 27. PMID: 38978868; PMCID: PMC11227683.
25. Dandapath I, Das S, Charan BD, Garg A, Suri A, Kedia S, Sharma MC, Sarkar C, Khonglah Y, Ahmed S, Suri V. Evaluation of KIAA1549::BRAF fusions and clinicopathological insights of pilocytic astrocytomas. *Ann Diagn Pathol*. 2024 Oct;72:152318. doi: 10.1016/j.anndiagpath.2024.152318. Epub 2024 Apr 23. PMID: 38733671.
26. Singh S, Singh R, Kumar S, Suri A. A Narrative Review on 3-Dimensional Visualization Techniques in Neurosurgical Education, Simulation, and Planning. *World Neurosurg*. 2024 Jul;187:46-64. doi: 10.1016/j.wneu.2024.03.134. Epub 2024 Apr 4. PMID: 38580090.
27. Kumarasamy S, Garg K, Singh PK, Kumar A, Sharma R, Kedia S, Mishra S, Borkar S, Sawarkar DP, Verma SK, Gupta S, Satyarthee G, Garg A, Sharma MC, Kumar R, Singh M, Suri A, Chandra PS, Kale SS. Primary Ewing's Sarcoma affecting the Central Nervous System: A single-center experience and Narrative review. *Childs Nerv Syst*. 2024 Dec 13;41(1):46. doi: 10.1007/s00381-024-06707-y. PMID: 39671104.
28. Das S, Gupta D, Dan Charan B, Sahu S, Suri V, Garg A, Tandon V, Suri A, Sharma MC. Astroblastoma: A molecularly defined entity, its clinico-radiological & pathological analysis of eight cases and review of literature. *Pathol Res Pract*. 2024 Nov;263:155616. doi: 10.1016/j.prp.2024.155616. Epub 2024 Oct 11. PMID: 39413458.

29. Bansal C, Shah H, Bora SK, Suri A. Middle third falcine meningiomas-surgical nuances for cortical venous preservation. *Acta Neurochir (Wien)*. 2024 May 18;166(1):220. doi: 10.1007/s00701-024-06088-w. PMID: 38761276.
30. Sadhwani N, Bora SK, Deepa S, Katiyar V, Raheja A, Garg A, Suri V, Tandon N, Sharma MC, Khadgawat R, Suri A. Clinicoradiological Parameters and Biochemical and Molecular Alterations Predicting Remission and Recurrence After Surgical Treatment of Corticotroph Adenomas-Cushing Disease. *World Neurosurg*. 2024 Jul;187:e937-e948. doi: 10.1016/j.wneu.2024.05.014. Epub 2024 May 10. PMID: 38734175.
31. Singh J, Mohan T, Sahu S, Sharma MC, Suri A, Sarkar C, Suri V. Evaluation of prognostic biomarkers in meningiomas and their clinical implications in settings with limited resources. *Neurooncol Pract*. 2024 Apr 9;11(4):464-474. doi: 10.1093/nop/npae027. PMID: 39006518; PMCID: PMC11241373.
32. Singh S, Bhardwaj S, Dandapath I, Singh J, Das S, Mohan T, Bora SK, Kedia S, Suri A, Sharma MC, Sarkar C, Faruq M, Suri V. Clinical utility of plasma cell-free DNA (cfDNA) in diffuse gliomas for the detection of IDH1 R132H mutation. *Pathol Res Pract*. 2024 Nov;263:155571. doi: 10.1016/j.prp.2024.155571. Epub 2024 Sep 14. PMID: 39298928.
33. Alam I, Garg K, Kumar AG, Raheja A, Shah H, Pandey K, Sharma R, Mishra S, Tandon V, Singh M, Ahmad FU, Suri A, Kale SS. Beyond Traditional Training: Exploring the Benefits of Virtual Reality Simulator in Lumbar Pedicle Screw Insertion - A Randomized Controlled Trial. *World Neurosurg*. 2024 Sep;189:e61-e68. doi: 10.1016/j.wneu.2024.05.163. Epub 2024 May 31. PMID: 38825310.
34. Kale SS, Mishra S, Garg K, Singh PK, Borkar S, Agrawal D, Kumar R, Singh M, Suri A, Chandra PS. Surgical Management of Extradural Tumors at the Craniovertebral Junction - Insights from a Tertiary Care Center. *World Neurosurg*. 2024 Sep;189:e652-e661. doi: 10.1016/j.wneu.2024.06.139. Epub 2024 Jun 28. PMID: 38945207.
35. Agarwal S, Sebastian LJD, Gaikwad S, Srivastava MVP, Sharma MC, Singh M, Bhatia R, Agarwal A, Sharma J, Dash D, Goyal V, Srivastava AK, Tripathi M, Suri V, Singh MB, Sarkar C, Suri A, Singh RK, Vibha D, Pandit AK, Rajan R, Gupta A, Elavarasi A, Radhakrishnan DM, Das A, Tandon V, Doddamani R, Upadhyay A, Vishnu VY, Garg A. The role of susceptibility-weighted imaging & contrast-enhanced MRI in the diagnosis of primary CNS vasculitis: a large case series. *Sci Rep*. 2024 Feb 27;14(1):4718. doi: 10.1038/s41598-024-55222-2. PMID: 38413676; PMCID: PMC10899183.
36. Joshi SB, Sharma R, Manjunath N, Dhanakshirur RR, Ganesh VL, Jain S, Raheja A, Devrajan LJ, Nehra A, Suri A. Functional and Neuropsychological Outcome After Surgical Treatment of Moyamoya Disease. *World Neurosurg*. 2024 Feb 15:S1878-8750(24)00235-3. doi: 10.1016/j.wneu.2024.02.038. Epub ahead of print. PMID: 38364899.
37. Mahajan S, Singh J, Dandapath I, Jha P, Chaturvedi S, Ahuja A, Bhardwaj M, Saran R, Garg A, Sharma MC, Manjunath N, Suri A, Sarkar C, Suri V. Analysis of Histomorphologic/Molecular Association and Immune Checkpoint Regulators in Epithelioid Glioblastoma and Pleomorphic Xanthoastrocytoma: Are These Tumors Potential Candidates for Immune Checkpoint Blockade? *Appl Immunohistochem Mol Morphol*. 2024 Feb 1;32(2):84-95. doi: 10.1097/PAI.0000000000001179. Epub 2023 Dec 30. PMID: 38158760
38. Attri B, Goyal A, Kalaivani M, Kandasamy D, Gupta Y, Agarwal S, Shamim SA, Damle N, Sharma MC, Jyotsna VP, Suri A, Tandon N. Utility of Simple and Non- Invasive Strategies Alternative to Inferior Petrosal Sinus Sampling and Peripheral CRH Stimulation in Differential Diagnosis of ACTH-Dependent Cushing Syndrome. *Horm Metab Res*. 2024 Sept 56(9):633-640 doi: 10.1055/a-2236-0864. Epub ahead of print. PMID: 38154481
39. Kumarasamy S, Kumar A, Singh PK, Suri A, Chandra PS, Kale SS. Non- chordomatous clival bony tumors: A rare experience and systematic literature review. *Childs Nerv Syst*. 2024 Apr;40(4):1065-1077. doi: 10.1007/s00381-023-06237-z. Epub 2023 Dec 5. PMID: 38051310
40. Manjunath N, Dhanakshirur RR, Joshi S, Reddy NG, Raheja A, Devrajan Sebastian LJ, Garg A, Kalra PK, Suri A. Novel method of calculation of MRI perfusion and comparison of single versus double barrel STA-MCA bypass for revascularisation in Moya Moya disease. *World Neurosurg*. 2024 Jan;181:e516-e523. doi: 10.1016/j.wneu.2023.10.090. Epub 2023 Oct 27. PMID: 39491233.
41. Shukla G, Nandal N, Afsar M, Gupta A, Agarwal P, Singh MB, Srivastava A, Suri A. Comprehensive Outcome Assessment and Quality of Life Following Epilepsy Surgery. *Can J Neurol Sci*. 2023 Nov 7;1-8. doi: 10.1017/cjn.2023.310. Epub ahead of print. PMID: 37932896.

42. Singh R, Singh R, Suri A. Personalized 3D Printed Eye Gear for Microscopic Surgeons Amidst and beyond COVID-19. *Bioengineering (Basel)*. 2023 Sep 26;10(10):1129. doi: 10.3390/bioengineering10101129. PMID: 37892859; PMCID: PMC10604268.
43. Sharma R, Singh R, Banala KC, Kumar SS, Yadav T, Suri A. Extradural Subtemporal Approach for Giant Multicompartmental Skull Base Chondrosarcoma- Personalized Virtual Surgical Planning and Operative Nuances: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2023 Dec 1;25(6):e374-e375. doi: 10.1227/ons.0000000000000884. Epub 2023 Sep 1. PMID: 37669009.
44. Malik N, Kundu A, Gupta Y, Irshad K, Arora M, Goswami S, Mahajan S, Sarkar C, Suri V, Suri A, Chattopadhyay P, Sinha S, Chosdol K. Protumorigenic role of the atypical cadherin FAT1 by the suppression of PDCD10 via RelA/miR221-3p/222-3p axis in glioblastoma. *Mol Carcinog*. 2023 Dec;62(12):1817-1831. doi: 10.1002/mc.23617. Epub 2023 Aug 22. PMID: 37606187
45. Yekula A, Sreeram S, Dhawan S, Sharma M, Sandoval-Garcia C, Huling JD, Suri A, Belani K, Park MC, Carter BS, Chen CC. Neurosurgery residency match for international medical graduates in the United States. *J Neurosurg*. 2023 Jul 28;140(1):291-298. doi: 10.3171/2023.5.JNS23556. PMID: 37548564
46. Sadhwani N, Suri A, Raheja A, Bora SK, Khadgawat R, Sharma MC, Garg A, Sharma R. Management protocol and surgical techniques for MRI-Negative Cushing's disease: a series of 6 cases. *Neurosurg Focus Video*. 2023 Jul 1;9(1):V7. doi: 10.3171/2023.4.FOCVID2318. PMID: 37416811; PMCID: PMC10321547.
47. Ruparelia J, Manjunath N, Nachiappan DS, Raheja A, Suri A. Virtual Reality in Preoperative Planning of Complex Cranial Surgery. *World Neurosurg*. 2023 Dec;180:e11-e18. doi: 10.1016/j.wneu.2023.06.014. Epub 2023 Jun 10. PMID: 37307986
48. Awasthi A, Dinachandra M, Mahajan P, Suri A, Roy S. MatNLI: An open-source MATLAB-based solver for the non-linear inversion in elastography. *Advances in Engineering Software*. 2023 July 1; 181; 103476.
49. Ruparelia J, Sharma R, V L G, Raheja A, Suri A. Technical Nuances and Complication Avoidance in Surgery for Medullary Hemangioblastoma. *World Neurosurg*. 2023 Sep;177:18. doi: 10.1016/j.wneu.2023.05.086. Epub 2023 May 30. PMID: 37257647.
50. Ruparelia J, VI G, Sharma R, Raheja A, Suri A. Giant Multicompartmental Craniopharyngioma-Surgical Nuances of Modified Dolenc-Kawase Anterior Petrous Rhomboid Approach: 2-Dimensional Operative Video. *Oper Neurosurg*. 2023 May 1;24(5):e370-e371. doi: 10.1227/ons.0000000000000592. Epub 2023 Jan 10. PMID: 36716001.
51. Mani S, Kumar R, Sriram S, Sagar P, Suri A, Kumar R. Giant Facial Nerve Schwannoma: A Rare Clinical Entity. *Otol Neurotol*. 2023 Aug 1;44(7):e525-e527. doi: 10.1097/MAO.0000000000003874. Epub 2023 Apr 24. PMID: 37185658.
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Books Authored or Edited:

Clinical Neuroendoscopy: Current Status by Neuroendoscopy Study Group of India, Edited by Dr. C.E. Deopujari, Dr. N.K. Venkataramanaa, Dr. Ashish Suri. Published by: Thieme Publishers Delhi Year: 2013

E-Books Authored or Edited:

Neurosurgery Education and Training School – NETS

132 neurosurgery e-books www.aiimsnets.org

26 neurosurgery lecture videos www.aiimsnets.org

35 neurosurgery operative videos www.aiimsnets.org

26 3-D animation modules www.aiimsnets.org

Additional Responsibility

Elected Offices in Professional Societies:

Executive Member, World Academy of Neurological Surgeons – WANS

Executive Member, Yasargil Micro-Neurosurgery Academy -YMA

Executive Member, WFNS Skull Base Surgery Committee (2016–2022)

President, Cerebrovascular Society of India (2024–25)

President, Neuroendoscopy Society of India (2024–25); Executive Member (2017-2019)

President, Skull Base Surgery Society of India (2023–24); Secretary (2018-2022), Treasurer (2009-2012), Executive Member (2006-2009)

Neurological Society of India - Member Academic Committee (2017-2019), Convener CNS–NSI Simulation Workshop (2015-2017), Executive Member (2015-2017)

Neurological Surgeons Society of India- Co-Chairman Academic Committee (2012-2014), Executive Member (2012-2014)

Indian Society of Neuro-Oncology - Executive Member (2017-2020)

Neuro-otological and Equilibriometric Society of India - Executive Member (2001-2002)

Adjunct Professor, School of Information Technology, Indian Institute of Technology Delhi (IIT-D) – 2014 to present (12th consecutive year as of 2025-26)

Member, Expert Review Committees: DST, DBT, ICMR, TIFAC, PMSSY

Organizing Secretary: 28 national and international conferences and workshops

Faculty at 53 international and 196 national conferences, CMEs, workshops, seminars

Administration

Expert AIIMS Stores Purchase Committee (2008-2009)

Expert AIIMS Library Committee (2007-2009)

Expert AIIMS Computerization Committee (2007-2009)

Expert planning, architecture, designing of AIIMS Bhubaneswar and AIIMS Bhopal (2008)

Expert planning, designing and supervision of Neurosurgery Operation Theatres (No=4) in Cardio-Neuro Tower - 7th Floor, CNC, AIIMS (2007-2008); installation of Intra-operative MRI, CNC, AIIMS (2007-2009); renovation work of NS-2 & NS-3 wards, Neurosurgery Operation Theater - 1st floor (2007-2009), Neurosciences Centre Seminar Room and Telemedicine room NS-6 (2009)

Incharge Neurosurgery Machinery and Equipment Store (2017-2021)

Incharge Neurosurgery Infection Control, Neurosciences Infection Control (2017 till date)

Incharge planning, designing and supervision of Neurosurgery Skills Training Facility and Neuro-engineering Lab (2002 till date)

Office Details

Department of Neurosurgery, # 712, Neurosciences Centre, All India Institute of Medical Sciences - AIIMS, Ansari Nagar, New Delhi-110029, India

Research Profile

Prof. Ashish Suri's research has been supported by substantial extramural grants from prestigious funding agencies, including DBT, DHR, ICMR, and DST. He has established strong interdisciplinary collaborations with leading institutions such as IIT Delhi, IISc Bengaluru, IIT Madras, CSIO-Chandigarh, BARC-Mumbai in the field of neuro-engineering, and IGIB-New Delhi in neuro-oncology. His international research partnerships extend across Germany, Japan, Switzerland, the United Kingdom, and the United States.

Clinical Neurosurgery - Skull Base & Vascular Neurosurgery, Minimally Invasive Neurosurgery & Neuro-endoscopy, Neuro-oncology, Epilepsy Surgery

Medical Simulation in Neurosurgery - Simulation-based Skills Training Curriculum, Hybrid Simulators with Sensor & Vision-based Analytics +AI-based Skills Evaluation, Virtual Simulators with 3D-animation, Graphics, Haptics, Virtual Reality

Neuro-Engineering - Computer-aided Neurosurgery and Neurosurgery Medical Devices & Instrumentation: - 3D Stereoscopic e-Learning & Surgical Data-Science, Artificial Intelligence – Machine Learning & Deep Learning, 3D Scanning, 3D Segmentation, 3D CAD Modeling, 3D Printing, Robotic Multi-functional Instrumentation, Intra-operative Neurophysiological Monitoring

This cutting-edge research has led to the publication of numerous scientific papers, filing of 15 patents/designs/copyrights, development of 25 technologies, and training of over 50 professionals, marking a major contribution to neuro-engineering and surgical innovation in India.

Research Publication Profile

h-Index = 47

i10 Index =201

Total Citations = 8511 (GS)

Patents, designs, copyrights = 13 (Indian, US, Japanese, German, PCT)

Technologies Developed = 20

PUBLICATIONS

Indexed peer reviewed papers = 326

Indexed peer reviewed abstracts = 93

Book chapters = 26

BOOK = 1

CONFERENCE PRESENTATIONS = 275

E-BOOKS

132 neurosurgery e-books www.aiimsnets.org
26 neurosurgery lecture videos www.aiimsnets.org
35 neurosurgery operative videos www.aiimsnets.org
26 3-D animation modules www.aiimsnets.org

Pubmed

<https://www.ncbi.nlm.nih.gov/myncbi/1lghv3cLbQ15Q/bibliography/public/>

Google Scholar

<https://scholar.google.co.in/citations?user=aaCPSXUAAAAJ&hl=en>

Orcid

<https://orcid.org/0000-0002-0464-0860>

Surgery Days

Monday, Wednesday, Thursday, Saturday

Specialty Work

Skull Base Surgery - Central Skull Base, Cavernous Sinus, Petrous & Petroclival, Jugular Foramen, Foramen Magnum, Head & Neck in collaboration with ENT

Cerebrovascular Surgery - Aneurysm, Arterio-Venous Malformation, Cavernoma, Moyamoya Disease, Spinal Vascular Malformation, Bypass Surgery

Neuro-Endoscopy - Endonasal Endoscopic Skull Base, Intraventricular - ETV in hydrocephalus, Colloid cysts, Arachnoid cysts, Neurocysticercosis

Neuro-Oncology - Brain Tumors: Intraaxial - Glioma, Ependymoma, Medulloblastoma; Extraaxial - Pituitary Adenoma, Craniopharyngioma, Meningiomas, Schwannoma, Chordoma, Chondrosarcoma

Epilepsy Surgery - Amygdalo-Hippocampectomy, Corpus Callosotomy, ECOG guided Lesionectomy, Functional Hemispherotomy

Spine – Intramedullary tumors, Extramedullary tumors, Spinal instrumentation

Area of teaching

Neurosurgery - MCh residency, Skull Base & Cerebrovascular Neurosurgery post-doctorate fellowship program, AIIMS

Neuroradiology and Neuropathology - interdepartmental conferences

Undergraduate teaching AIIMS - integrated seminars and clinical case discussions

Simulation-based Neurosurgical Skills Training – cadaveric, synthetic, computer-based, AI-enabled

Neurosurgery Education and Training School - NETS 3D stereoscopic open-access e-learning platform

Postgraduate and Postdoctoral mentorship:

Medical - MCh, DM, MS, MD, PhD

Neuro-engineering (IIT-D): PhD, MTech, MS-R

International training through WFNS, Indo-German, Indo-Japan, and Indo-US collaborations

General OPD - Days

Tuesday, Friday (forenoon)

General OPD – Address

Neurosurgery OPD, Room no. 20, CNC OPD, Ground Floor, Cardiac & Neurosciences Centre, AIIMS, New Delhi – 110029

Special Clinic – Day

Wednesday (afternoon), Saturday (forenoon)

Special Clinic – Address

Wednesday – Skull Base clinic in ENT OPD

Saturday – Spine clinic in NSOPD

In-Patient Ward

NS2 ward Neurosciences Centre and 1st, 3rd, 5th, 6th floors Cardio-Neuro Tower, AIIMS, New Delhi