



Dr Gaurav Tyagi

MBBS, MS, MCh (NIMHANS) Fellowship Skull Base Surgery, Osaka, Japan Former Faculty Department of Neurosurgery, NIMHANS, Bengaluru 8+ Years Experience

Dr Gaurav Tyagi is a top Neurosurgeon in Delhi at Apollo Hospitals Delhi . Book appointment online with Dr Gaurav Tyagi at Ask Apollo.

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Overview

Dr. Gaurav Tyagi is a highly qualified neurosurgeon based in South Delhi, with over 8 years of experience in the field. He holds an MBBS, MS, and an MCh from NIMHANS, along with a Clinical Fellowship in Skull Base Surgery, showcasing his commitment to advanced medical education and practice. Dr. Tyagi is proficient in multiple languages, including English, Hindi, Kannada, and Punjabi, allowing him to communicate effectively with a diverse patient base.

Throughout his career, Dr. Tyagi has received numerous accolades for his contributions to neurosurgery. Notably, he was honored with the North American Skullbase Society International Travel Scholarship in 2023 for his outstanding work in the field. Furthermore, his research paper on retraction sutures in microvascular anastomosis was recognized as the Best Research Paper at NeuroVascon 2021 in Chandigarh. His commitment to excellence was also acknowledged when he was named the Young Scholar of The Year in Neurosurgery at TYSA-2017 and won multiple neurosurgery quizzes at notable conferences.

In addition to his clinical practice, Dr. Tyagi is actively involved in educational activities. He serves as a faculty member at the Annual Microvascular Anastomosis Workshop in NIMHANS from 2020 to the present, and has contributed as a faculty instructor at the Skullbase 360 Course in IRCAD, Taiwan. These

roles underscore his dedication to mentoring the next generation of neurosurgeons and advancing the field through education and innovation. Dr. Tyagi's expertise, awards, and passion make him a prominent figure in neurosurgery, and a trusted resource for patients seeking specialized care.

Experience

- Consultant - Neurosurgery at Indraprastha Apollo Hospitals, New Delhi
- Assistant Professor, Neurosurgery (Mar 20 – Aug 23), Department of Neurosurgery, National Institute of Mental Health & Neurosciences (NIMHANS), Bangalore, India
- Attending Consultant, Neurosurgery (Oct 2019 – Feb 2020), Department of Neurosurgery, Paras Hospitals, Gurgaon, India
- Clinical Fellow, SkullBase Neurosurgery, (Jun 2019 – Sep 2019) Department of Neurosurgery, Osaka City University Hospital, Osaka, Japan
- Chief Resident Neurosurgery, (Jun 2018- May 2019) Department of Neurosurgery, NIMHANS, Bangalore, India
- Senior Resident Neurosurgery, (Jul 2015 – Jun 2018) Department of Neurosurgery, NIMHANS, Bangalore, India
- Senior Resident Neurosurgery (Aug 2014 – Feb 2015) Department of Neurosurgery, Batra Hospital and Research Centre, New Delhi, India
- Junior Resident General Surgery, (Jun 2011-Jun 2014) Department of General Surgery, Sawai Man Singh Medical College, Jaipur, India

Membership

Certifications

- Faculty Instructor in Annual NIMHANS Microvascular Anastomosis Workshop (2020– Present)
- Faculty at IRCAD 360 Skullbase and Radiosurgery Course Taiwan 2023
- Annual Cadaver Course for Skull Base Surgery – August 2019 OCU School of Medicine, Japan
- Annual Microvascular Anastomosis Course, NIMHANS 2020
- NETS AIIMS Micro neurosurgery and microvascular course, 2018

Professional Memberships

- Neurological Society of India
- North American Skullbase Society
- Cerebrovascular Society of India
- Skull Base Surgery Society of India
- Indian Society of Stereotactic and Functional Neurosurgery

Research and Publication

Research and Publications

1. Tyagi G, Nadeem M, Beniwal M, Srinivas D. Micro-surgical Clipping of a Right Paraclinoid Aneurysm with a “Rescue” STA-MCA Bypass. *Neurol India* 2023;71:884-7
2. Tyagi G, Thombre B, Gohil D, R P, Prabhuraj AR, Pruthi N. The Use of Retraction Sutures in End-to-Side Microvascular Anastomosis - A Novel Technical Innovation in Experimental Rat Femoral Model with Successful Use in STA-MCA Bypass in MoyaMoya Disease. *World Neurosurg.* 2023 Apr 12:S1878-8750(23)00505-3. doi: 10.1016/j.wneu.2023.04.024. PMID: 37059358.
3. Tyagi G, Uppar AM, Pruthi N, Shukla D. Minimally invasive foramen magnum decompression using tubular retractors (MIFT) for Chiari I malformations. *Acta Neurochir (Wien)*. 2023 Jan 10. doi: 10.1007/s00701-023-05490-0. Epub ahead of print. PMID: 36625908.
4. Tyagi, G., Deora, H., Singh, G. J., Beniwal, M., & Srinivas, D. (2022). Combined Posterior Transpetrosal: Presigmoid and Subtemporal Resection of a Large Petroclival Meningioma. *Neurology India*, 70(5), 1800-1802.
5. Birua GJ, Sikaria A, Tyagi G, Beniwal M, Srinivas D. A Giant Thrombosed Vertebrobasilar Artery System Aneurysm Mimicking Brainstem Lesion. *Neurol India* 2022;70:1738-9
6. Birua GJ, Tyagi G, Beniwal M, Srinivas D. Pure Artery Malformation of Posterior Cerebral Artery with Dysplastic Internal Carotid Artery. *Neurol India* 2022;70:1287-8
7. Birua GJS, Tyagi G, Beniwal M, Srinivas D, Rao S. Large Parenchymal Perianeurysmal Cyst: A Case Report. *J Neurosci Rural Pract.* 2021 Sep 7;12(4):800- 803. doi: 10.1055/s-0041-1735243. PMID: 34737520; PMCID: PMC8559064.
8. S Birua GJ, Tyagi G, Beniwal M, L Rao NKV, Saini J, Dwarakanath S. Delayed Vasospasm in Endoscopic Transsphenoidal Pituitary Surgery: Two Case Reports and Reviews. *Neurol India.* 2022 May-Jun;70(3):996-1003. doi: 10.4103/0028-3886.349613. PMID: 35864631.

9. Tyagi G, Kulanthaivelu K, Saini J, Gowda A, Srinivas D. Acute Endovascular Management of a Ruptured Choroidal Artery Arteriovenous Malformation in a Peripartum COVID-19-Positive Patient. *Indian Journal of Neurosurgery*. 2022 Jan 5.
10. Tyagi G, S A S, K, Kandregula S, Mhatre R, Uppar A, M: Sella Bugged! Abscess Inside a Craniopharyngioma: Case Report with Literature Review. *Pediatr Neurosurg* 2022. doi: 10.1159/000523977
11. Moolchandani, S., Tyagi, G., Yagnick, N., Sinha, S., & Mehta, V. S. A Cervical Nerve Root Cavernoma—Atypical Presentation With Diagnostic Dilemma. *International Clinical Neuroscience Journal*, 10(1), e2-e2.
12. Tyagi G, Singh G, J, Beniwal M, Srinivas D: Xanthogranulomatous Colloid Cyst in a 13-Year-Old Boy: A Case Report and Surgical Implications. *Pediatr Neurosurg* 2022. doi: 10.1159/000524480
13. Srinivas D, Tyagi G, Singh GJ. Shunt Implants - Past, Present and Future. *Neurol India*. 2021 Nov-Dec;69(Supplement):S463-S470. doi: 10.4103/0028-3886.332263. PMID: 35103003.
14. Tyagi G, Gohil D, Singh Birua GJ, Prabhuraj AR, Pruthi N. Toe-First Technique for End to Side Microvascular Anastomosis. *World Neurosurg*. 2021 Jul 27;154:73-77. doi: 10.1016/j.wneu.2021.07.091. Epub ahead of print.
15. Tyagi G, Patel KR, Singh GJ, Uppar AM, Beniwal M, Rao KVLN, Pruthi N, Bhat D, Somanna S, Chandramouli B, Dwarakanath S. Anterior Odontoid Screw Fixation for C2 Fractures: Surgical Nuances, Complications, and Factors Affecting Fracture Union. *World Neurosurg*. 2021 Aug;152:e279-e288. doi: 10.1016/j.wneu.2021.05.077.
16. Tyagi G, Singh GJ, Beniwal M, Srinivas D. Management of a Persistent Oblique Occipital Sinus with Staged Ligation in a Case of Medulloblastoma: A Case Report. *Pediatr Neurosurg*. 2021 Jul 15:1-5. doi: 10.1159/000517214.
17. Tyagi G, Sikaria A, Birua GJS, Beniwal M, Srinivas D. Surgical management of simultaneous supra- and infratentorial hemorrhages in a pediatric patient with multiple cavernomas. *J Cerebrovasc Endovasc Neurosurg*. 2022 Sep;24(3):262-266. doi: 10.7461/jcen.2022.E2021.08.001.
18. Deora H, Dange P, Patel K, Shashidhar A, Tyagi G, Pruthi N, Arivazhagan A, Shukla D, Dwarakanath S. Management of neurosurgical cases in a tertiary care referral hospital during the COVID-19 pandemic: Lessons from a middle-income country. *World Neurosurg*. 2021;148:e197-e208. doi:10.1016/j.wneu.2020.12.111.
19. Pruthi N, Tyagi G, Gohil D. End-to-side microvascular anastomosis on rat femoral vessels using only 2-throw knot interrupted sutures: Evaluation of feasibility and patency rates on rat femoral vessels model. *World Neurosurg*. 2021;148:e145-e150. doi:10.1016/j.wneu.2020.12.078.
20. Tyagi G, Singh P, Bhat DI, Shukla D, Pruthi N, Devi BI. Trapped fourth ventricle treatment options

and the role of open posterior fenestration in the surgical management. *Acta Neurochir (Wien)*. 2020;162(10):2441-2449. doi:10.1007/s00701-020-04352-3.

21. Tyagi G, Singh V, Shashidhar A. An unusual case of penetrating skull injury. *Interdiscip Neurosurg*. 2020;21:100701. 10.1016/j.inat.2020.100701.

22. Rao S, Chavali P, Tyagi G, Savardekar A, Saini J, Mahadevan A. An unusual occurrence of melanotic neuroectodermal tumor of infancy with malignant features. *Int J Neurooncol*. 2019. doi:10.4103/ijno.ijno_17_19.

23. Tyagi G, Sadashiva N, Konar S, Gowda A, Saini J, Shukla D, Devi BI. Persistent trigeminal artery – A review of clinical features and anatomical classification. *World Neurosurg*. 2019. doi:10.1016/j.wneu.2019.10.025.

24. Tyagi G, Srinivas D, Nanjaiah ND, Purushottam M, Somanna S, Santosh V, Jain S. Gene expression in intracranial aneurysms – Comparison analysis of aneurysmal walls and extracranial arteries with real-time polymerase chain reaction and immunohistochemistry. *World Neurosurg*. 2019. doi:10.1016/j.wneu.2019.06.002.

25. Tyagi G, Bhat DI, Devi BI, Shukla D. Multiple remote sequential supratentorial epidural hematomas – An unusual and rare complication following posterior fossa surgery. *World Neurosurg*. 2019. doi:10.1016/j.wneu.2019.04.228.

26. Tyagi G, Prabhuraj AR, Bhat DI, Rao MB, Devi BI. Duplication of ventral dural herniation as a cause of idiopathic spinal cord herniation – A report of two cases and a review of literature. *World Neurosurg*. 2019. doi:10.1016/j.wneu.2019.02.143.

27. Verma A, Sharma S, Tyagi G, Singh S. Huge trichobezoar causing obstructive jaundice. *BMJ Case Rep*. 2014. doi:10.1136/bcr-2013-201667.

28. Tyagi G, Gupta U, Verma A, Saxena D, Mittal A, Goyal A, Jenaw RK. Volvulus of ileal S-pouch: A rare complication of ileal pouch anal anastomoses. *Int J Surg Case Rep*. 2014. doi:10.1016/j.ijscr.2014.07.005.

Research Projects –

- NIMHANS Shunt Registry
- Epidemiology of Head Injury and Road Traffic Safety
- Multicentre Study on AI Imaging of dural lesions treated with Gamma Knife
- Setting up the NIMHANS Skull base cadaver lab
- Neurosurgery Dissertation – Genetics of Intracranial aneurysms
- General surgery Thesis – Incidental detection of carcinoma gall bladder in the histopathology of cholecystectomy cases and clinic-radiological correlation.

Frequently Asked Questions

1. Where does Dr. Gaurav Tyagi practice?

Dr. Gaurav Tyagi practices at Apollo Hospitals, Delhi. This hospital offers comprehensive healthcare services and is a leading provider of medical expertise.

2. Who is Dr. Gaurav Tyagi?

Dr Gaurav Tyagi is a renowned Neurosurgeon with over 8 years of experience. He practices in Delhi at Apollo Hospitals Delhi. Dr Gaurav Tyagi holds a degree in MBBS, MS, MCh (NIMHANS) Fellowship Skull Base Surgery, Osaka, Japan Former Faculty Department of Neurosurgery, NIMHANS, Bengaluru. He provides treatments including Craniotomy, Spinal Decompression Surgery, Ventriculoperitoneal (VP) Shunt. He specializes in treating conditions like Brain Tumors, Spinal Cord Injuries, Hydrocephalus.

3. What is Dr. Gaurav Tyagi's specialization?

Dr Gaurav Tyagi specializes in Neurosurgery. He has expertise in treating conditions such as Brain Tumors, Spinal Cord Injuries, Hydrocephalus. His key treatments include Craniotomy, Spinal Decompression Surgery, Ventriculoperitoneal (VP) Shunt.

4. What are Dr. Gaurav Tyagi's medical qualifications?

Dr Gaurav Tyagi holds MBBS, MS, MCh (NIMHANS) Fellowship Skull Base Surgery, Osaka, Japan Former Faculty Department of Neurosurgery, NIMHANS, Bengaluru, reflecting his comprehensive education in the field of Neurosurgery.

5. How many years of experience does Dr. Gaurav Tyagi have?

Dr. Gaurav Tyagi has 13 years of experience in neurosurgery. Details of his professional history are available upon request.

6. How do I schedule an appointment with Dr. Gaurav Tyagi?

To schedule an in-person appointment with Dr. Gaurav Tyagi, please book online. Contact information for scheduling is available through our hospital's appointment system. Dr. Tyagi specializes in Neurosurgery.

7. What is Dr. Gaurav Tyagi's educational background?

Dr. Gaurav Tyagi holds an MBBS, an MS in General Surgery, and an MCh in Neurosurgery. Details regarding appointments can be found via his profile.

8. Who is a neurosurgeon?

A neurosurgeon is a medical specialist trained in the diagnosis and treatment of disorders affecting the brain, spinal cord, and nerves. This includes surgical and non-surgical options.

9. Can a neurosurgeon operate on a brain tumor?

Yes, neurosurgeons perform brain tumor removal surgery, a procedure known as craniotomy. They are qualified specialists in operating on the brain and nervous system.

10. Does a neurosurgeon only perform surgery?

While neurosurgeons are highly skilled in complex brain and spine surgeries, they prioritize non-surgical treatment options like medication whenever feasible. Surgical intervention is considered only when conservative methods prove ineffective.

11. Which diseases necessitate a neurosurgeon consultation?

A neurosurgeon should be consulted for conditions such as birth defects, traumatic brain or spinal injuries, brain tumors, vascular disorders, brain or spinal infections, stroke, and degenerative spinal diseases like multiple sclerosis. Neurological symptoms warrant a specialist consultation.