

CURRICULUM VITAE



Dr. Ravi Sharma

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Current Designation:

Assistant Professor, Department of Neurosurgery and National Cancer Institute,

All India Institute of Medical Sciences (AIIMS), New Delhi, India

Educational Qualifications:

- **M.B.B.S., 6 year- M.Ch.** (Neurosurgery Residency), **Fellowship** (Skull Base and Vascular Neurosurgery)

Work Experience:

Duration of Experience	Institution	Designation
Jan 2015- Dec 2017	AIIMS, New Delhi	Junior Resident Neurosurgery
Jan 2018- Dec 2020	AIIMS, New Delhi	Senior Resident Neurosurgery
Jan 2021- Jan 2022	AIIMS, New Delhi	Skull base & Cerebrovascular Fellow
Jan 2022- Nov 2022	AIIMS, New Delhi	Senior Research Associate (Pool Officer), NETS lab
Nov 2022- present	AIIMS, New Delhi	Assistant Professor, Neurosurgery

Performance in Academic Examinations:

Institution	Degree	% Passing Marks	Passing Rank
AIIMS, New Delhi	Skull Base and Vascular Neurosurgery Fellowship (All India Rank 1)	-	First
	6yr – M.Ch. Neurosurgery (All India Rank 2)	80% (480/600)	First
	M.B.B.S (All India Rank 12)	<i>Combined Rank of all MBBS Professionals: 76.78% (3071/4000)</i>	First
		<i>Final Professional: 75.02% (1613/2150)</i>	First
		<i>Second Professional: 77.18% (656/850)</i>	First
		<i>First Professional: 80.2 % (802/1000)</i>	Second
DAV Public School, Amritsar	CBSE- Grade XII	95.6% (478/500)	First
	CBSE -Grade X	98% (490/500)	First

Research Summary:

- **Total Publications-** 103
- **First author-** 51
- **Research Articles-** 85
- **Book Chapters-** 18
- **Current h-index-** 9

Basic Sciences Research Experience:

- **Mayo Clinic Research Fellowship (Short- term Fellowship under Prof. Vanda Lennon, Head of Neuroimmunology, Mayo Clinic, Rochester, USA) - Project on “Creating an optimal system for passively transferring Neuromyelitis Optica (NMO) with AQP4-IgG to normal animals without traumatizing the blood brain barrier”, under Prof. Vanda Lennon, Head of Neuroimmunology, Edward H. Lambert Lab, Mayo Clinic, Rochester, USA.**
- **Project on “Bovine Carbonyl Lactoperoxidase Structure in Complex with Piperazine at 2.0 Å Resolution and Infrared Spectra as a Function of pH”, under Prof. T.P. Singh, Professor, Dept. of Biophysics, A.I.I.M.S.- Awarded NATIONAL KVPY RESEARCH SCHOLARSHIP**
- **Project on “Binding Studies and Crystal Structure determination of Lactoperoxidase in complex with anti-tubercular prodrug Isoniazid using X-ray crystallography and its impact on drug development”, under Prof. T.P. Singh, Professor, Dept. of Biophysics, A.I.I.M.S.**
- **Project on “Binding Studies and Crystal Structure determination of Lactoperoxidase in complex with NSAIDS (Indomethacin) to counter the side effects of the drug”, under Prof. T.P. Singh, Professor, Dept. of Biophysics, A.I.I.M.S.**

Publications List-

Research Articles (85)

1	Sharma R , Goda R, Borkar SA, Katiyar V, Agarwal S, Kumar A, Mohapatra S, Kapil A, Suri A, Kale SS. Outcome following postneurosurgical Acinetobacter meningitis: an institutional experience of 72 cases. <i>Neurosurgical focus</i> . 2019 Aug 1;47(2):E8.
2	Garg K, Sharma R , Gupta D, Sinha S, Satyarthee GD, Agarwal D, Kale SS, Sharma BS, Mahapatra AK. Outcome predictors in pediatric head trauma: A study of clinicoradiological factors. <i>Journal of pediatric neurosciences</i> . 2017 Apr;12(2):149.
3	Samala R, Borkar SA, Sharma R , Garg A, Suri A, Gupta D, Kale SS. Effectiveness of preoperative facial nerve diffusion tensor imaging tractography for preservation of facial nerve function in surgery for large vestibular schwannomas: Results of a prospective randomized study. <i>Neurology India</i> . 2019 Jan 1;67(1):149.
4	Borkar SA, Sharma R , Mansoori N, Sinha S, Kale SS. Spinopelvic parameters in patients with lumbar degenerative disc disease, spondylolisthesis, and failed back syndrome: Comparison vis-à-vis normal asymptomatic population and treatment implications. <i>Journal of Craniovertebral Junction & Spine</i> . 2019 Jul;10(3):167.
5	Sharma R , Garg K, Katiyar V, Alam I, Tandon V, Raheja A, Mishra S, Veerabhadraiah P, Suri A, Chandra PS, Kale SS. Analysis of neurosurgical cases before and during the Coronavirus disease 2019 pandemic from a tertiary-care centre in India. <i>World neurosurgery</i> . 2021 Aug 1;152:e635-44.
6	Katiyar V, Sharma R , Tandon V, Goda R, Ganeshkumar A, Suri A, Chandra PS, Kale SS. Impact of frailty on surgery for glioblastoma: a critical evaluation of patient outcomes and caregivers' perceptions in a developing country. <i>Neurosurgical focus</i> . 2020 Oct 1;49(4):E14.
7	Raheja A, Mishra S, Garg K, Katiyar V, Sharma R , Tandon V, Goda R, Suri A, Kale SS. Impact of different visualization devices on accuracy, efficiency, and dexterity in neurosurgery: a laboratory investigation. <i>Neurosurgical Focus</i> . 2021 Jan 1;50(1):E18.
8	Garg K, Sharma R , Raheja A, Tandon V, Katiyar V, Dash C, Bhatnagar R, Khullar MK, Raju B, Nanda A, Kale SS. Perceptions of Indian neurosurgeons about medicolegal issues and malpractice suits. <i>Neurosurgical focus</i> . 2020 Nov 1;49(5):E10.
9	Sharma R , Borkar S, Katiyar V, Goda R, Phalak M, Joseph L, Suri A, Chandra PS, Kale SS. Interplay of dynamic extension reserve and T1 slope in determining the loss of cervical lordosis following laminoplasty: a novel classification system. <i>World Neurosurgery</i> . 2020 Apr 1;136:e33-40.
10	Sharma R , Garg K, Agrawal S, Mishra S, Gurjar HK, Tandon V, Agrawal D, Singh M, Chandra SP, Kale SS. Atypical symptoms of cervical spondylosis: is anterior cervical discectomy and fusion useful?-an institutional experience. <i>Neurology India</i> . 2021 May 1;69(3):595.

11	Sharma R, Sharma R , Tandon V, Phalak M, Garg K, Singh M, Gupta D, Agrawal D, Chandra SP, Kale SS, Sreenivas V. Is endoscopic third ventriculostomy a feasible option or ventriculoperitoneal shunt a safer bet for the treatment of posttraumatic hydrocephalus? A gap time model-based algorithm. <i>Neurology India</i> . 2020 Sep 1;68(5):1125.
12	Borkar SA, Sreenivasan R, Sharma R , Sinha S, Joseph SL, Garg A, Kale SS. Cervical rotation before and after hinge-door cervical laminoplasty for cervical spondylotic myelopathy. <i>Journal of Craniovertebral Junction & Spine</i> . 2019 Apr;10(2):114.
13	Kumar N, Katiyar V, Praneeth K, Sharma R , Narwal P, Raheja A, Tandon V, Mishra S, Garg K, Suri A, Chandra PS. Challenges and prospects of neurosurgical teleconsultations in a developing country: a reality check. <i>Neurosurgical Focus</i> . 2022 Jun 1;52(6):E5.
14	Bedi MS, Raheja A, Mishra S, Katiyar V, Sharma R , Narwal P, Garg K, Tandon V, Suri A, Kale SS. Telementoring Feasibility Using a Novel Low-cost Lazy Glass Microsurgical Simulator: A “Proof of Concept” Experimental Study. <i>World Neurosurgery</i> . 2022 May 1;161:136-46.
15	Sharma R , Borkar SA, Phalak M, Joseph SL, Kale SS. Cervical alignment following laminoplasty for cervical spondylotic myelopathy. <i>Surgical Neurology International</i> . 2019;10.
16	Sharma R , Katiyar V, Gurjar H, Sharma M, Goda R, Vora Z. Is medulloblastoma associated with systemic immunomodulation? –A comparative analysis of preoperative inflammatory markers. <i>Surgical Neurology International</i> . 2020;11.
17	Suri A, Sharma R , Katiyar V, Raheja A. Modified Dolenc-Kawase anterior petrous rhomboid approach for petroclival meningioma: surgical nuances and complication avoidance. <i>Neurosurgical Focus: Video</i> . 2022 Apr;6(2):V12.
18	Sharma R , Katiyar V, Narwal P, Kale SS, Suri A. Interval assessment using task-and procedure-based simulations: an attempt to supplement neurosurgical residency curriculum. <i>Neurosurgical Focus</i> . 2022 Aug 1;53(2):E2.
19	Suman S, Sharma R , Katiyar V, Mahajan S, Suri A, Sharma MC, Sarkar C, Suri V. Role of CDKN2A deletion in grade 2/3 IDH-mutant astrocytomas: need for selective approach in resource-constrained settings. <i>Neurosurgical Focus</i> . 2022 Dec 1;53(6):E17.
20	Dey S, Sharma R , Raheja A, Suri A. Pretemporal Transcavernous Approach to Basilar Apex Aneurysm: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> . 2022 May 11:10-227.
21	Mishra S, Katiyar V, Narwal P, Sharma R . Superficial Temporal Artery to Middle Cerebral Artery Bypass for Moyamoya Disease: Surgical Nuances. <i>World Neurosurgery</i> . 2022 May 1;161:54.
22	Goda R, Sharma R , Borkar SA, Katiyar V, Narwal P, Ganeshkumar A, Mohapatra S, Suri A, Kapil A, Chandra PS, Kale SS. Frailty and Neutrophil Lymphocyte Ratio as Predictors of Mortality in Patients with Catheter-Associated Urinary Tract Infections or Central Line–Associated Bloodstream Infections in the Neurosurgical Intensive Care Unit: Insights from a Retrospective Study in a Developing Country. <i>World Neurosurgery</i> . 2022 Jun 1;162:e187-97.

23	Alam I, Garg K, Raheja A, Tandon V, Sharma R , Singh M, Singh GP, Mishra S, Singh PK, Agrawal D, Soni KD. Managing Traumatic Brain Injury During the Coronavirus Disease 2019 Pandemic—A Case-Matched Controlled Analysis of Immediate Outcomes. <i>World Neurosurgery</i> . 2022 May 25.
24	Katiyar V, Sharma R , Bora SK, Suri A. Anterior Petrous Rhomboid Approach for Petroclival Chondrosarcoma. <i>World Neurosurgery</i> . 2022 Aug 1;164:348.
25	Katiyar V, Sadhwani N, Sharma R , Tandon V, Raheja A, Goda R, Ganeshkumar A, Mishra S, Garg K, Prada F, Kale SS. A high-fidelity agar-based phantom for ultrasound-guided brain biopsy simulation: A novel training prototype with visual feedback. <i>World Neurosurgery</i> . 2022 Aug 10.
26	Sharma R , Singh J, Katiyar V, Narwal P, Suri V, Raheja A, Suri A. Correlation of Surgical Outcomes of Petroclival Meningiomas with Clinicoradiologic Parameters and Molecular and Chromosomal Alterations. <i>World Neurosurgery</i> . 2022 Dec 29.
27	Agrawal M, Chandra SP, Doddamani RS, Samala R, Garg A, Gaikwad S, Sharma R , Ramanujan B, Tripathi M, Bal C, Tripathi M. Feasibility of Tailored Unilateral Disconnection vs Callosotomy for Refractory Epilepsy in Patients with Bilateral Parieto-Occipital Gliosis Following Perinatal Insult. <i>Neurology India</i> . 2022 May 1;70(3):918.
28	Thounaojam CK, Borkar SA, Sharma R , Phalak M, Sharma R, Kale SS. A prospective comparative study between day care spine surgery and conventional spine surgery. <i>Indian Spine Journal</i> . 2021 Jan 1;4(1):99.
29	Sharma R , Borkar S, Kumar A, Narwal P, Gupta D, Agrawal D, Kale S. Post-Traumatic Cervicothoracic Junction Fracture-Dislocations: Technical Considerations and Outcome Analysis. <i>Journal of Spinal Surgery</i> . 2021 Oct 1;8(4):15-.
30	Ruparelia J, Ganesh VL, Sharma R , Raheja A, Suri A. Giant Multicompartmental Craniopharyngioma—Surgical Nuances of Modified Dolenc-Kawase Anterior Petrous Rhomboid Approach: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> . 2022 May 11:10-227.
31	Sharma R , Borkar SA, Goda R, Kale SS. Which factors predict the loss of cervical lordosis following cervical laminoplasty? A review of various indices and their clinical implications. <i>Surgical Neurology International</i> . 2019;10.
32	Alam I, Sharma R , Borkar SA, Goda R, Katiyar V, Kale SS. Factors predicting loss of cervical lordosis following cervical laminoplasty: A critical review. <i>Journal of Craniovertebral Junction & Spine</i> . 2020 Jul;11(3):163.
33	Sharma R , Suri A. Giant pituitary adenomas: Operative strategies. <i>International Journal of Neurooncology</i> . 2021 Nov 1;4(3):94.
34	Sharma R , Garg K, Agarwal S, Agarwal D, Chandra PS, Kale SS, Sharma BS, Mahapatra AK. Microvascular decompression for hemifacial spasm: a systematic review of vascular pathology, long term treatment efficacy and safety. <i>Neurology India</i> . 2017 May 1;65(3):493.
35	Sharma R , Phalak M, Katiyar V, Borkar S, Kale SS, Mahapatra AK. Microvascular decompression versus stereotactic radiosurgery as primary treatment modality for trigeminal neuralgia: A systematic

	review and meta-analysis of prospective comparative trials. <i>Neurology India</i> . 2018 Jan 5;66(3):688.
36	Sharma R , Garg K, Katiyar V, Tandon V, Agarwal D, Singh M, Chandra SP, Suri A, Kale SS, Mahapatra AK. The role of mifepristone in the management of meningiomas: A systematic review of literature. <i>Neurology India</i> . 2019 May 1;67(3):698.
37	Sharma R , Suri A. Microsurgical suturing assessment scores: a systematic review. <i>Neurosurgical review</i> . 2021 Jun 2:1-6.
38	Katiyar V, Chaturvedi A, Sharma R , Gurjar HK, Goda R, Singla R, Ganeshkumar A. Meta-Analysis with trial sequential analysis on the efficacy and safety of erythropoietin in traumatic brain injury: a new paradigm. <i>World Neurosurgery</i> . 2020 Oct 1;142:465-75
39	Goda R, Ganeshkumar A, Katiyar V, Sharma R , Gurjar HK, Chaturvedi A, Sahu R, Rai HI, Vora Z. Efficacy of antimicrobial medicated ventricular catheters: a network meta-analysis with trial sequential analysis. <i>Neurosurgical Review</i> . 2021 May 19:1-2.
40	Katiyar V, Sharma R , Tandon V, Garg K, Narwal P, Chandra PS, Suri A, Kale SS. Comparison of Programmable and Non-Programmable Shunts for Normal Pressure Hydrocephalus: A Meta-Analysis and Trial Sequential Analysis. <i>Neurology India</i> . 2021 Dec 1;69(8):413.
41	Katiyar V, Kale A, Sharma R , Ganeshkumar A, Borkar SA. Clinical Benefit of Clazosentan in Vasospasm After Subarachnoid Hemorrhage: Are We There Yet?. <i>Neurosurgery</i> . 2022 May 17:10-227.
42	Sreenivasan R, Sharma R , Borkar SA, Arumulla S, Garg K, Chandra SP, Kale SS, Mahapatra AK. Cervical Split Cord Malformations: A Systematic Review. <i>Neurology India</i> . 2020 Sep 1;68(5):994
43	Katiyar V, Sharma R , Tandon V, Garg K, Kale SS. Surgical resection of medulloblastoma: How much is sufficient and necessary? A systematic review of literature. <i>Cancer Reports</i> . 2019 Jun;2(3):e1158.
44	Ganeshkumar A, Narwal P, Phalak M, Katiyar V, Sharma R , Borkar SA, Kale SS. Utility of the annular closure device in the treatment of degenerative disc disease: A Meta-Analysis with trial sequential analysis. <i>Journal of Spinal Surgery</i> . 2022 Apr 1;9(2):82.
45	Garg K, Sharma R , Dash C, Agrawal D, Sharma BS. Spinal intradural extramedullary ependymoma with intracranial metastasis and leptomeningeal spread: a case report and comprehensive review of literature. <i>Neurology India</i> . 2019 Sep 1;67(5):1352.
46	Meena RK, Doddamani RS, Sharma R . Contiguous diastematomyelia with lipomyelomeningocele in each hemicord—an exceptional case of spinal dysraphism. <i>World Neurosurgery</i> . 2019 Mar 1;123:103-7.
47	Sharma R , Garg K, Agarwal D, Garg A, Sharma MC, Sharma BS, Mahapatra AK. Isolated primary intradural extramedullary spinal cysticercosis. <i>Neurology India</i> . 2017 Jul 1;65(4):882.
48	Dadhich H, Sharma R , Borkar SA, Dash A, Mahajan S, Sharma MC. Solitary extra-axial intracranial primary meningeal pleomorphic xanthoastrocytoma: an extremely rare case. <i>World Neurosurgery</i> . 2019 Oct 1;130:386-90.
49	Sharma R , Kumar A, Borkar SA. Mature teratoma of petrous temporal bone in an infant: a rare clinical entity. <i>World Neurosurgery</i> . 2019 Aug 1;128:209-10.

50	Sharma R , Garg K, Rajeshwari M, Sharma MC, Kale SS. Solitary primary leptomeningeal astrocytoma—An extremely rare pathology. <i>Neurology India</i> . 2017 Jul 1;65(4):898.
51	Sharma R , Garg K, Phalak M, Tandon V, Kumari K, Suri V, Suri A, Garg A, Kale SS, Mahapatra AK. Aspergilloma Masquerading as Meningioma: An Experience of Two Cases and Review of Literature. <i>Neurology India</i> . 2019 Jul 1;67(4):1133.
52	Singla R, Manjunath N, Sharma R , Mishra S. Neglected traumatic atlantoaxial rotatory dislocation in adult: a case report. <i>International Journal of Spine Surgery</i> . 2020 Feb 1;14(1):46-52.
53	Rafiq R, Sharma R , Borkar SA. Giant Sporadic Unilateral Vestibular Schwannoma in Child: Can It Get Bigger Than This?. <i>World Neurosurgery</i> . 2019 Oct 1;130:378-9.
54	Garg K, Sharma R , Gurjar HK, Kale SS. Pontomedullary germinoma with suprasellar and spinal metastasis: A report and comprehensive review of literature. <i>Neurology India</i> . 2019 Jan 1;67(1):308.
55	Singla R, Sharma R , Mishra S, Prabhakar H. Contralateral brachial plexus injury following retromastoid suboccipital craniotomy: A report and review of literature. <i>Neurology India</i> . 2017 Jul 1;65(4):864.
56	Phalak M, Ganeshkumar A, Sharma R , Kale SS. Posterior reversible encephalopathy syndrome following cervical spine surgery: insights from an interesting case. <i>Child's Nervous System</i> . 2022 Dec 26:1-4.
57	Borkar SA, Sharma R et al. Subependymal Giant Cell Astrocytoma (SEGA) in the Absence of Tuberous Sclerosis: A Case Report and Review of Literature. <i>EC Paediatrics</i> 8 (7(2019)), 595-600
58	Sharma R , Phalak M, Sharma P. Is the serum glucose/potassium ratio a reliable prognostic factor for aneurysmal SAH?. <i>Journal of Neurosurgery</i> . 2018 Jun 29;129(4):1098-9.
59	Sharma R , Garg K. Role of decompressive Craniectomy in traumatic brain injury—how much wiser are we after randomized evaluation of surgery with craniectomy for uncontrollable elevation of intracranial pressure trial?. <i>Neurosurgery</i> . 2017 Nov 1;81(5):E58-60.
60	Sharma P, Katiyar V, Sharma R , Gurjar HK, Krishnan S. Role of Tyrosine Kinase Inhibitors in Recurrent Meningiomas: Controversies and Promises. <i>Neurosurgery</i> . 2018 Jun 1;82(6):E181-3.
61	Sharma R , Katiyar V, Gurjar H. Primary Modality for Medically Refractory Trigeminal Neuralgia: Microvascular Decompression or Gamma Knife Therapy?. <i>Operative Neurosurgery</i> . 2018 Feb 1;14(2):E31-2.
62	Gurjar H, Katiyar V, Sharma R . the use of vancomycin powder for surgical prophylaxis following craniotomy. <i>Neurosurgery</i> . 2018 Feb 1;82(2):E69-70.
63	Katiyar V, Sharma R , Gurjar HK. Is Serum Glial Fibrillary Acidic Protein a Comprehensive Marker for High-Grade Glioma?. <i>Operative Neurosurgery</i> . 2018 Feb 1;14(2):E28-30.
64	Katiyar V, Vora Z, Agarwal S, Sharma R , Gurjar H. Prognostic scoring for chronic subdural hematoma: Is decision making easier?. <i>World Neurosurgery</i> . 2018 Aug 1;116:481-.
65	Singla R, Kamra D, Sharma R , Katiyar V, Gurjar H. Do Gliomas Behave Differently in Patients with Human Immunodeficiency Virus?. <i>World Neurosurgery</i> . 2018 Jun 1;114:431-.
66	Katiyar V, Sharma R , Gurjar HK. Impact of post craniectomy cranioplasty on cerebral perfusion and

	clinical outcome. Journal of Clinical Neuroscience. 2018 Mar 1;49:87-8.
67	Sharma R , Katiyar V, Sharma P, Vora Z, Gurjar H. Posterior fossa crowdedness in idiopathic trigeminal neuralgia: Is it the real perpetrator?. Journal of Clinical Neuroscience. 2018 Aug 1;54:165-6.
68	Sharma R , Phalak M, Tandon V, Mahapatra AK. Long-term efficacy of ETV and shunt surgery for management of hydrocephalus. Journal of Neurosurgery: Pediatrics. 2018 Jan 1;21(1):94-5.
69	Sharma R , Borkar SA, Phalak M, Sinha S, Mahapatra AK. Postcranioplasty changes in cerebral blood perfusion and its impact on neurological and clinical outcomes. Journal of Neurosurgery. 2017 Sep 29;128(1):323-4.
70	Sharma R , Phalak M, Katiyar V. The efficacy of local vancomycin for reducing surgical site infections after cranioplasty. Journal of Neurosurgery. 2018 Apr 1;128(4):1263-5.
71	Alam I, Katiyar V, Goda R, Chandrappa H, Singla R, Sharma R . Concomitant use of vasopressors and nimodipine in the management of aneurysmal SAH: a tug of war?. Journal of Neurosurgery. 2019 Aug 23;132(4):1308-9.
72	Sharma R , Phalak M, Kale SS. Endovascular and surgical management of spinal dural arteriovenous fistulas. Journal of Neurosurgery: Spine. 2017 Sep 1;27(3):346-7.
73	Sharma R , Katiyar V, Sharma P, Gurjar H. Systemic inflammatory response in pediatric central nervous system tumors. Acta Neurochirurgica. 2018 Jun 1;160(6):1215-6.
74	Sharma R , Tandon V, Sawarkar D, Phalak M, Raheja A, Kale SS. Intracranial pressure (ICP) monitoring in diffuse brain injury: to do or not to do?. Acta Neurochirurgica. 2018 Sep;160(9):1699-700.
75	Goda R, Ganeshkumar A, Gurjar H, Agrawal D, Katiyar V, Sharma R . Predictive factors and timelines of rebleeding in aneurysmal SAH: what have we gleaned?. Acta Neurochirurgica. 2021 May;163(5):1479-80.
76	Katiyar V, Dharanipathy S, Gurjar H, Vora Z, Sharma R . Post-traumatic hydrocephalus following decompressive craniectomy: how well can it be predicted?. Acta Neurochirurgica. 2018 Nov;160(11):2125-.
77	Singla R, Katiyar V, Sharma R , Gurjar H. Is decision-making easier post RESCUE ICP trial?. Acta Neurochirurgica. 2018 Jun 1;160(6):1301-2.
78	Sharma R , Katiyar V, Gurjar H, Monga A, Vora Z. Clinical Utility of Diffusion Tensor Imaging Metrics in Lumbar Disk Herniation. World Neurosurgery. 2018 Aug 1;116:475-.
79	Sharma R , Sharma P, Katiyar V, Vora Z, Gurjar H. Hyponatremia Following Aneurysmal Subarachnoid Hemorrhage. World neurosurgery. 2018 Jul;115:481.
80	Sharma R , Sharma P, Katiyar V, Vora Z, Gurjar H. Timing of Early Cranioplasty for Traumatic Brain Injury-the Debate Goes On. World Neurosurgery. 2018 Jul 1;115:477-.
81	Goda R, Sharma R , Katiyar V, Singla R, Borkar S, Vora Z. Early outcome following decompressive craniectomy for traumatic brain injury: a prediction model. World neurosurgery. 2019;127:e656-.

82	Krishnan S, Katiyar V, Phalak M, Sharma R . Streptococcus mutans with Collagen-Binding Protein: From Oral Cavity to Brain. World neurosurgery. 2018 Jul;115:486.
83	Borkar SA, Sharma R . Biomechanical Factors Influencing Fixation Angle in Occipitocervical Fusion. Neurology India. 2021 May 1;69(3):780.
84	Sharma R , Sharma P, Katiyar V, Vora Z, Gurjar H. Can diabetic ketoacidosis (DKA) precipitate posterior reversible encephalopathy syndrome (PRES)?. Child's Nervous System. 2018 Jun;34(6):1107-8.
85	Sharma R , Sharma P, Katiyar V, Vora Z, Gurjar H. Early tracheostomy in traumatic brain injury: conundrum continues.... British Journal of Neurosurgery. 2018 Apr 24;32(2):127-.

Book Chapters (18)

Title of Chapter	Name of the Book
1. Role of O-Arm and Neuronavigation in Minimally Invasive Spine surgery.	Minimally Invasive Spine Surgery: A Ready Reckoner. Salubris Medical Publishers; 2019. p. 204–13
2. Diagnosis and Management of Post traumatic CSF Rhinorrhoea.	Handbook of Neurotrauma (Vol II): Cranial Trauma
3. Radiological evaluation in Acute Traumatic Brain Injury.	Handbook of Neurotrauma (Vol II): Cranial Trauma.
4. Acute Subdural Hematoma.	Handbook of Neurotrauma (Vol II): Cranial Trauma.
5. ICP Monitoring in Acute TBI-Current Evidence-based Consensus.	Handbook of Neurotrauma (Vol II): Cranial Trauma.
6. Pediatric Spinal Trauma	Handbook of Neurotrauma, VOL1: Spinal trauma
7. Cervicothoracic Junction Fracture-Dislocation	AIIMS NEUROSURGERY CASE BOOK- Cervical Spine Trauma
8. C7 Vertebral Body Fracture Dislocation	AIIMS NEUROSURGERY CASE BOOK- Cervical Spine Trauma
9. Lateral Mass Fractures of the Subaxial Cervical Spine	AIIMS NEUROSURGERY CASE BOOK- Cervical Spine Trauma

10. Stereotactic Radiosurgery (SRS) For Eloquent region Arteriovenous Malformations (AVMs)	Neurosurgery Updates: Controversies in Vascular Surgery
11. Degenerative Thoracic Spine	Comprehensive Neurosurgery by Vincent Thamburaj
12. Intracranial pressure Monitoring in TBI- Techniques	Surgical nuances of Head Injury by Anoop K. Singh)
13. Cerebral Spinal Fluid Leak Disorders	In: StatPearls [Internet]. Treasure Island (FL)
14. Transoral Approaches to C1-C2	ASSI Textbook- Section 2: Surgery Essentials
15. Index cases: What we can learn?- Chapter: Case 4 - Vertebral Artery Injury in Trans-oral Surgery	ASSI Monograph -Safe Spine Surgery
16. Current Surgical Management of Gliomas- Role of adjuncts for maximal resection and effect of EOR on survival- evidence based consensus	Progress in clinical Neurosciences
17. Intraspinial anomalies in Scoliosis	Pediatric Scoliosis
18. Management of Acute subarachnoid hemorrhage	Clinical Insights in Stroke Management

Awards/Recognitions in the field of Neurosurgery:

- **Indian Society of neuro-oncology (ISNO) travel grant** (Rs 5000) for top abstract in ISNOCON 2022 Conference, Gurgaon.
- **Winner of Nextgen Young Neurosurgeon Award 2022** at the 11th International Neurosurgery Update (INU) - August 2022- **Award Prize of Rs 50,000**
- **NSI-YNF 2022, June 2022- How to best utilize residency for your own benefit? - Best paper Award**
- **Winner of Nextgen Young Neurosurgeon Award 2021** at the 10th International Neurosurgery Update (INU) - July 2021- **Award Prize of Rs 50,000**
- **2nd prize - Award paper- SKULLBASECON 2021, AIIMS Jodhpur - Award Prize of Rs 15,000**
- **Winner of Final Round of Torrent Young Scholar Award (TYSA) Neurosurgery 2020 and Award Scholarship of Rs 3 Lakh**
- **Best Orator** in Final Round of **Torrent Young Scholar Award (TYSA) Neurosurgery 2020** for debate **VP shunt v/s ETV for Hydrocephalus**
- **Winner of National Micro- Neurosurgery Quiz**, 22nd AIIMS Annual Microneurosurgery Workshop, Feb. 2020, AIIMS, New Delhi
- **First Prize - Award Paper**, 23rd Delhi Neurological Association (DNA) Annual Meeting, Feb 2021; New Delhi, India and **Award Scholarship of Rs 5000**
- **Third Prize- Award Paper**, 21st Delhi Neurological Association (DNA) Annual Meeting. Feb 2018; New Delhi, India.
- **2nd Prize** - Neurotrauma Quiz, AIIMS Neurotrauma Conference (ANTC) 2019, New Delhi, India
- **Indian Society of neuro-oncology (ISNO) travel grant** (Rs 5000) for top abstract in ISNOCON 2018 Conference, New Delhi, India.

Academic Achievements in MBBS:

- **Sep 2015: Atam Prakash Medal for Best Intern in Surgery**
- **Nov 2014: All India Rank 2** in AIIMS MD/MS/MCh Entrance Examination
- **Dec 2013: Best Graduate for Batch 2009** (Combined topper for First, Second and Final Professional Examination)
- **Dec 2013: Overall Topper of the Final Professional Examination** (Clinical)
- **Dec 2013: Institute Topper in Pediatrics**
- **Dec 2013: Institute Topper in Surgery**
- **Dec 2013: Institute Topper in CCM.**
- **Dec 2013: Best Undergraduate in the subject of PSM- New Zealand High Commissioner's Prize**

- **Dec 2013: Merit Scholarship** for standing **1st** in **Final Professional Examination.**
- **Dec 2013: 2nd Position** in **North Zone IAP quiz** held at LHMC, New Delhi
- **Sept 2013: Winner of Delhi Zone IAP quiz** held at UCMS, New Delhi
- **Aug 2013: Winner of College Round of IAP quiz** held at AIIMS, New Delhi.
- **Oct 2012: Dr. H.D Tandon Medal for the Best Undergraduate MBBS Student of AIIMS (2011)** from the President of India.
- **Oct 2012: Institute Book Prize for Pathology (2011)** from the President of India.
- **June- Sept 2012: Research Elective at MAYO CLINIC, USA** under **Dr. Vanda Lennon, Head of Neuroimmunology, MAYO CLINIC, USA.**
- **Dec 2011-2013: Merit Scholarship** for standing **1st** in **Second Professional Examination.**
- **Dec 2011: Overall Topper of the Second Professional Examination (Para-Clinical).**
- **2011-Present: NATIONAL KVPY RESEARCH SCHOLARSHIP** (Kishore Vaigyanik Protsahan Yojna) - the highest scholarship given by the **Government of India** for the **best undergraduate research project at the national level.**
- **Sept 2010: 3rd POSITION** in the **8th INTER MEDICAL SCHOOL PHYSIOLOGY QUIZ (IMSPQ)** organized by the University of Malaya, Malaysia. About **49 countries** from around the world participated
- **July 2010- Dec 2011: Merit Scholarship** for standing **2nd** in **First Professional Examination.**
- **July 2010: 2nd Position** in First Professional Examination (Pre-clinical)
- **March 2010: 1st position** in the **All India Physiology Quiz, 2010** held at **C.S.M. Medical University, Lucknow, India**
- **May 2009: Passed All India Senior Secondary Certificate Examination (Grade XII) - 95.8%. 1st position in school & top 1% of the nation.**
- **May 2009: Scored aggregate 99%** in Physics, Chemistry and Biology.
- **May 2009: Scholarship of Excellence** by CBSE, New Delhi for scoring the **highest aggregate 99% in Physics, Chemistry and Biology .**
- **May 2009: Awarded Gold Medal and DBT Biology Scholarship for year 2009** by the Ministry of Science and Technology on National science day
- **May 2009: Present: Merit Scholarship** from Central Board of Secondary Education (C.B.S.E.) awarded to the top 150 medical students in the country
- **May 2007: Passed All India Secondary School Examination (Grade X) - 98%. 1st position in school & top 1% of the nation.** 100% in Social Studies and Mathematics.
- **May 2007: Recipient of the National Talent Search Examination (NTSE) scholarship**

Conference Presentations:

- APCSS 2017, Cairo, Egypt – *Outcome following cervicodorsal fracture-dislocation*- Oral presentation
- APCSS 2018, New Delhi, India – *Cervical rotation following laminoplasty*- Oral presentation
- 21 st DNA Annual Meeting. Feb 2018; New Delhi, India - *Outcome predictors following Laminoplasty for Cervical Spondylotic Myelopathy* - **Third Prize- Award Paper**
- 23 rd DNA Annual Meeting, Feb 2021; New Delhi, India- *Impact of Frailty on Short-term Outcomes following Aneurysmal Subarachnoid Hemorrhage: A Novel Scoring System*- **First Prize - Award Paper**
- ISNOCON 2018 – *Role of DTI in predicting grade of glioma*- Awarded **travel grant** prize (5000) for **top abstract**
- **CSRS-AP 2017**- *Posterior reversible encephalopathy syndrome (PRES) following cysto- subarachnoid shunt for cervicodorsal intramedullary cyst* - **Poster Presentation**
- 10th INU- July 2021- *Petroclival Meningiomas operated via Modified Dolenc Kawase(MDK) Approach: Correlation of Surgical Outcome with Clinico-radiological parameters, Molecular Profiles, and Chromosomal Alterations*- Winner of **NextGen - Young Neurosurgeon Award (YNA) 2021**
- SKULLBASECON 2021- *Anterior Clinoidectomy for Large/Giant Paraclinoid Aneurysms: Expanding the operative corridor via Dolenc's triangle*- **2nd Prize- Award Paper**
- **NSI-YNF 2022, June 2022**- **How to best utilize residency for your own benefit?**- **Best paper Award**
- 11th INU- August 2022- *Evaluation of Virtual Reality-based Microscopic Glioma Resection using Novel Machine Learning Algorithm*- Winner of **NextGen - Young Neurosurgeon Award (YNA) 2022**
- ISNOCON 2022 –*Role of cavernous sinus extension and MRI T2 hypointensity in the extent of resection following trans-sphenoidal surgery for giant pituitary adenomas.* - Awarded **travel grant** prize (5000) for **top abstract**

Memberships:

- Congress of Neurological Surgeons (**CNS**)
- Neurological Society of India (**NSI**)
- Skull Base Surgery Society of India (**SBSSI**)
- Neurotrauma Society of India (**NTSI**)
- Delhi Neurological Association (**DNA**)
- Indian Society of Neuro-oncology (**ISNO**)