

# Saksham Gupta

## List of Publications by Citations

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104  
papers

1,504  
citations

19  
h-index

36  
g-index

112  
ext. papers

2,204  
ext. citations

3.7  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
104	Machine Learning and Neurosurgical Outcome Prediction: A Systematic Review. <i>World Neurosurgery</i> , <b>2018</b> , 109, 476-486.e1	2.1	176
103	Glioblastoma-Associated Microglia Reprogramming Is Mediated by Functional Transfer of Extracellular miR-21. <i>Cell Reports</i> , <b>2019</b> , 28, 3105-3119.e7	10.6	89
102	Nanocarrier-based drug combination therapy for glioblastoma. <i>Theranostics</i> , <b>2020</b> , 10, 1355-1372	12.1	81
101	SURG-09. SURGICAL AND PERI-OPERATIVE CONSIDERATIONS FOR BRAIN METASTASES: A NATIONWIDE ANALYSIS. <i>Neuro-Oncology Advances</i> , <b>2019</b> , 1, i32-i32	0.9	78
100	CMET-32. BILATERAL OCCIPITAL METASTASES: MANAGEMENT CONSIDERATIONS AND CORTICAL BLINDNESS. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi60-vi61	1	78
99	CMET-07. FRAILITY PREDICTS MORTALITY AFTER RESECTION OF BRAIN METASTASES. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi55-vi55	1	78
98	HOUT-02. VARIATION IN POST-OPERATIVE LENGTH OF STAY IN NEURO-ONCOLOGIC SURGERY. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi113-vi113	1	78
97	HOUT-20. AN ONLINE CALCULATOR FOR THE PREDICTION OF SURVIVAL AND ADJUVANT TREATMENT BENEFIT IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi117-vi117	1	78
96	Radiographic prediction of meningioma grade by semantic and radiomic features. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187908	3.7	66
95	Readmission and Other Adverse Events after Transsphenoidal Surgery: Prevalence, Timing, and Predictive Factors. <i>Journal of the American College of Surgeons</i> , <b>2017</b> , 224, 971-979	4.4	35
94	Venous thromboembolism and intracranial hemorrhage after craniotomy for primary malignant brain tumors: a National Surgical Quality Improvement Program analysis. <i>Journal of Neuro-Oncology</i> , <b>2018</b> , 136, 135-145	4.8	35
93	Passive data collection and use in healthcare: A systematic review of ethical issues. <i>International Journal of Medical Informatics</i> , <b>2019</b> , 129, 242-247	5.3	33
92	Subtype switching in breast cancer brain metastases: a multicenter analysis. <i>Neuro-Oncology</i> , <b>2020</b> , 22, 1173-1181	1	31
91	Glioblastoma hijacks microglial gene expression to support tumor growth. <i>Journal of Neuroinflammation</i> , <b>2020</b> , 17, 120	10.1	30
90	Glioblastomas exploit truncated Olinked glycans for local and distant immune modulation via the macrophage galactose-type lectin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 3693-3703	11.5	29
89	Impact of operative length on post-operative complications in meningioma surgery: a NSQIP analysis. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 131, 59-67	4.8	26
88	Thirty-Day Outcomes After Craniotomy for Primary Malignant Brain Tumors: A National Surgical Quality Improvement Program Analysis. <i>Neurosurgery</i> , <b>2018</b> , 83, 1249-1259	3.2	25

87	Clinical applications of dynamic CT angiography for intracranial lesions. <i>Acta Neurochirurgica</i> , <b>2018</b> , 160, 675-680	3	25
86	The Woven Endobridge Device for Treatment of Intracranial Aneurysms: A Systematic Review. <i>World Neurosurgery</i> , <b>2017</b> , 98, 809-817.e1	2.1	19
85	Treatment of malignant gliomas with ketogenic or caloric restricted diets: A systematic review of preclinical and early clinical studies. <i>Clinical Nutrition</i> , <b>2019</b> , 38, 1986-1994	5.9	19
84	Global Perspectives on Task Shifting and Task Sharing in Neurosurgery. <i>World Neurosurgery: X</i> , <b>2020</b> , 6, 100060	2.7	19
83	The Changing Health Care Landscape and Implications of Organizational Ethics on Modern Medical Practice. <i>World Neurosurgery</i> , <b>2017</b> , 102, 420-424	2.1	18
82	Treatment and survival of osteosarcoma and Ewing sarcoma of the skull: a SEER database analysis. <i>Acta Neurochirurgica</i> , <b>2019</b> , 161, 317-325	3	17
81	Defensive medicine among neurosurgeons in the Netherlands: a national survey. <i>Acta Neurochirurgica</i> , <b>2017</b> , 159, 2341-2350	3	16
80	Craniopharyngioma: a roadmap for scientific translation. <i>Neurosurgical Focus</i> , <b>2018</b> , 44, E12	4.2	15
79	Risk of aspirin continuation in spinal surgery: a systematic review and meta-analysis. <i>Spine Journal</i> , <b>2017</b> , 17, 1939-1946	4	15
78	Computed Tomography Angiography Versus Digital Subtraction Angiography for Postclipping Aneurysm Obliteration Detection. <i>Stroke</i> , <b>2019</b> , 50, 381-388	6.7	14
77	Evidence-based dexamethasone dosing in malignant brain tumors: what do we really know?. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 144, 249-264	4.8	14
76	Glioma EVs Contribute to Immune Privilege in the Brain. <i>Trends in Cancer</i> , <b>2019</b> , 5, 393-396	12.5	11
75	Treatment and survival differences across tumor sites in malignant peripheral nerve sheath tumors: a SEER database analysis and review of the literature. <i>Neuro-Oncology Practice</i> , <b>2019</b> , 6, 134-143	2.2	10
74	Ethics in contemporary health care management and medical education. <i>Journal of Evaluation in Clinical Practice</i> , <b>2020</b> , 26, 699-706	2.5	9
73	Task-Shifting and Task-Sharing in Neurosurgery: An International Survey of Current Practices in Low- and Middle-Income Countries. <i>World Neurosurgery: X</i> , <b>2020</b> , 6, 100059	2.7	9
72	Task-Sharing for Emergency Neurosurgery: A Retrospective Cohort Study in the Philippines. <i>World Neurosurgery: X</i> , <b>2020</b> , 6, 100058	2.7	9
71	Oversight in Surgical Innovation: A Response to Ethical Challenges. <i>World Journal of Surgery</i> , <b>2018</b> , 42, 2773-2780	3.3	8
70	Dexamethasone Administration and Mortality in Patients with Brain Abscess: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , <b>2018</b> , 115, 257-263	2.1	8

69	Long-Term Durability of Open Surgical versus Endovascular Repair of Intracranial Aneurysms: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , <b>2019</b> , 132, e820-e833	2.1	7
68	International practice variation in postoperative imaging of chronic subdural hematoma patients. <i>Journal of Neurosurgery</i> , <b>2018</b> , 131, 1912-1919	3.2	7
67	Impact of helmet use on traumatic brain injury from road traffic accidents in Cambodia. <i>Traffic Injury Prevention</i> , <b>2018</b> , 19, 66-70	1.8	7
66	Routine Blood Tests for Severe Traumatic Brain Injury: Can They Predict Outcomes?. <i>World Neurosurgery</i> , <b>2020</b> , 136, e60-e67	2.1	7
65	The combined use of steroids and immune checkpoint inhibitors in brain metastasis patients: a systematic review and meta-analysis. <i>Neuro-Oncology</i> , <b>2021</b> , 23, 1261-1272	1	7
64	Programmed Death Receptor Ligand One Expression May Independently Predict Survival in Patients With Non-Small Cell Lung Carcinoma Brain Metastases Receiving Immunotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2020</b> , 108, 258-267	4	6
63	Length of Thromboprophylaxis in Patients Operated on for a High-Grade Glioma: A Retrospective Study. <i>World Neurosurgery</i> , <b>2018</b> , 115, e723-e730	2.1	6
62	Orally Administered 5-aminolevulinic Acid for Isolation and Characterization of Circulating Tumor-Derived Extracellular Vesicles in Glioblastoma Patients. <i>Cancers</i> , <b>2020</b> , 12,	6.6	6
61	A nationwide analysis of 30-day adverse events, unplanned readmission, and length of hospital stay after peripheral nerve surgery in extremities and the brachial plexus. <i>Microsurgery</i> , <b>2019</b> , 39, 115-123	2.1	6
60	Extracellular Vesicle-Mediated Bilateral Communication between Glioblastoma and Astrocytes. <i>Trends in Neurosciences</i> , <b>2021</b> , 44, 215-226	13.3	6
59	Quality of reporting and assessment of patient-reported health-related quality of life in patients with brain metastases: a systematic review. <i>Neuro-Oncology Practice</i> , <b>2018</b> , 5, 214-222	2.2	6
58	Impact of Helmet Use on Severity of Epidural Hematomas in Cambodia. <i>World Neurosurgery</i> , <b>2017</b> , 100, 267-270	2.1	5
57	Ethical considerations of neuro-oncology trial design in the era of precision medicine. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 134, 1-7	4.8	5
56	GlioM&M: Web-based tool for studying circulating and infiltrating monocytes and macrophages in glioma. <i>Scientific Reports</i> , <b>2020</b> , 10, 9898	4.9	5
55	Automating Clinical Chart Review: An Open-Source Natural Language Processing Pipeline Developed on Free-Text Radiology Reports From Patients With Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , <b>2020</b> , 4, 25-34	5.2	5
54	Morbidity after traumatic spinal injury in pediatric and adolescent sports-related trauma. <i>Journal of Neurosurgery: Spine</i> , <b>2019</b> , 1-7	2.8	5
53	Cohesion Between Research Literature and Health System Level Efforts to Address Global Neurosurgical Inequity: A Scoping Review. <i>World Neurosurgery</i> , <b>2020</b> , 143, e88-e105	2.1	5
52	Fibrinolytics and Intraventricular Hemorrhage: A Systematic Review and Meta-analysis. <i>Neurocritical Care</i> , <b>2020</b> , 32, 262-271	3.3	5

51	Advances in local therapy for glioblastoma - taking the fight to the tumour.. <i>Nature Reviews Neurology</i> , <b>2022</b> ,	15	5
50	Prognostic Value of Brain Metastasis-Free Interval in Patients with Breast Cancer Brain Metastases. <i>World Neurosurgery</i> , <b>2019</b> , 128, e157-e164	2.1	4
49	Systemic therapy following craniotomy in patients with a solitary breast cancer brain metastasis. <i>Breast Cancer Research and Treatment</i> , <b>2020</b> , 180, 147-155	4.4	4
48	Pneumatosis Intestinalis After Molecular-Targeted Therapy. <i>World Neurosurgery</i> , <b>2019</b> , 125, 312-315	2.1	4
47	Trends in cerebrospinal fluid leak rates following the extended endoscopic endonasal approach for anterior skull base meningioma: a meta-analysis over the last 20 years. <i>Acta Neurochirurgica</i> , <b>2021</b> , 163, 711-719	3	4
46	Comparative Analysis Identifies Similarities between the Human and Murine Microglial Sensomes. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
45	Unnecessary Diagnostics in Neurosurgery: Finding the Ethical Balance. <i>World Neurosurgery</i> , <b>2019</b> , 125, 527-528	2.1	3
44	The diagnosis and management of primary and iatrogenic soft tissue sarcomas of the sella. <i>Pituitary</i> , <b>2020</b> , 23, 558-572	4.3	3
43	Metastatic Gastrointestinal Stromal Tumor to the Skull. <i>World Neurosurgery</i> , <b>2016</b> , 89, 725.e11-6	2.1	3
42	Immunophenotype of Vestibular Schwannomas. <i>Otology and Neurotology</i> , <b>2020</b> , 41, e1290-e1296	2.6	3
41	Surgical and Peri-Operative Considerations for Brain Metastases. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 662943	5.3	3
40	Predicting Readmission and Reoperation for Benign Cranial Nerve Neoplasms: A Nationwide Analysis. <i>World Neurosurgery</i> , <b>2019</b> , 121, e223-e229	2.1	3
39	Trends in High-Impact Neurosurgical Randomized Controlled Trials Published in General Medical Journals: A Systematic Review. <i>World Neurosurgery</i> , <b>2019</b> , 129, e158-e170	2.1	2
38	When Time Is Critical, Is Informed Consent Less So? A Discussion of Patient Autonomy in Emergency Neurosurgery. <i>World Neurosurgery</i> , <b>2019</b> , 125, e336-e340	2.1	2
37	Quality of care evaluation in non-functioning pituitary adenoma with chiasm compression: visual outcomes and timing of intervention clinical recommendations based on a systematic literature review and cohort study. <i>Pituitary</i> , <b>2020</b> , 23, 417-429	4.3	2
36	Translational Windows in Chordoma: A Target Appraisal. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 657	4.1	2
35	Variation in Coding Practices for Vestibular Schwannoma Surgery. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2019</b> , 80, 96-102	1.5	2
34	Diversity and equality in neurosurgery. <i>Lancet Neurology</i> , <b>2020</b> , 19, 645-646	24.1	2

33	Leveraging artificial intelligence in ischemic stroke imaging. <i>Journal of Neuroradiology</i> , <b>2021</b> ,	3.1	2
32	The Current Landscape of Oncolytic Herpes Simplex Viruses as Novel Therapies for Brain Malignancies. <i>Viruses</i> , <b>2021</b> , 13,	6.2	2
31	Living Proof of Activity of Extracellular Vesicles in the Central Nervous System. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
30	Practice variation in perioperative steroid dosing for brain tumor patients: an international survey.. <i>World Neurosurgery</i> , <b>2021</b> ,	2.1	2
29	Versatile Role of Rab27a in Glioma: Effects on Release of Extracellular Vesicles, Cell Viability, and Tumor Progression. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 554649	5.6	1
28	Central Nervous System-Invading Eccrine Gland Carcinoma: A Clinicopathologic Case Series and Literature Review. <i>World Neurosurgery</i> , <b>2020</b> , 138, e17-e25	2.1	1
27	Medullary Infarction Leading to Locked-In Syndrome Following Lumbar Puncture in a Patient with Basilar Invagination. <i>World Neurosurgery</i> , <b>2020</b> , 137, 292-295	2.1	1
26	Leptomeningeal disease in neurosurgical brain metastases patients: A systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , <b>2021</b> , 3, vdab162	0.9	1
25	Passive Data Use for Ethical Digital Public Health Surveillance in a Postpandemic World.. <i>Journal of Medical Internet Research</i> , <b>2022</b> , 24, e30524	7.6	1
24	Statins and Gliomas: A Systematic Review of the Preclinical Studies and Meta-Analysis of the Clinical Literature.. <i>Drugs</i> , <b>2022</b> , 82, 293	12.1	1
23	The low utility of routine cranial imaging after pediatric shunt revision. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2021</b> , 1-7	2.1	1
22	Bilateral occipital metastases: Visual deficits and management considerations. <i>Surgical Neurology International</i> , <b>2020</b> , 11, 428	1	1
21	Traumatic Brain Injury in Mumbai: A Survey of Providers along the Care Continuum. <i>Journal of Innovative Optical Health Sciences</i> , <b>2020</b> , 15, 627-633	1.2	1
20	Impact of insurance on hospital course and readmission after resection of benign meningioma. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 149, 131-140	4.8	1
19	Artificial Intelligence in Clinical Neurosurgery: More than Machinery. <i>World Neurosurgery</i> , <b>2021</b> , 149, 302-303	2.1	1
18	Outcomes of intraparenchymal hemorrhage after direct oral anticoagulant or vitamin K antagonist therapy: A systematic review and meta-analysis. <i>Journal of Clinical Neuroscience</i> , <b>2019</b> , 62, 188-194	2.2	1
17	Adult sports-related traumatic spinal injuries: do different activities predispose to certain injuries?. <i>Journal of Neurosurgery: Spine</i> , <b>2021</b> , 1-7	2.8	1
16	Complex Management of Hydrocephalus Secondary To Choroid Plexus Hyperplasia. <i>World Neurosurgery</i> , <b>2020</b> , 141, 101-109	2.1	0

15	Visual Outcomes after Endoscopic Endonasal Transsphenoidal Resection of Pituitary Adenomas: Our Institutional Experience. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2021</b> , 82, e79-e87	1.5	○
14	Spontaneous intramedullary abscesses caused by Streptococcus anginosus: two case reports and review of the literature.. <i>BMC Infectious Diseases</i> , <b>2022</b> , 22, 141	4	○
13	Genomic landscape of gliosarcoma: distinguishing features and targetable alterations. <i>Scientific Reports</i> , <b>2021</b> , 11, 18009	4.9	○
12	Posterior Cerebral Artery Aneurysm Re-Rupture Following Revascularization for Moyamoya Disease. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 30, 106048	2.8	○
11	CRISPR-Cas knockout of miR21 reduces glioma growth.. <i>Molecular Therapy - Oncolytics</i> , <b>2022</b> , 25, 121-136	6.4	○
10	Response by Smith and Gupta to Letter Regarding Article, "Computed Tomography Angiography Versus Digital Subtraction Angiography for Postclipping Aneurysm Obliteration Detection: A Meta-Analysis". <i>Stroke</i> , <b>2019</b> , 50, e159	6.7	
9	The ethical and legal status of neurosurgical guidelines: the neurosurgeon's golden fleece or Achilles heel?. <i>Neurosurgical Focus</i> , <b>2020</b> , 49, E14	4.2	
8	Variation in Coding Practices for Vestibular Schwannoma Surgery. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2018</b> , 79, S1-S188	1.5	
7	Dramatic Response to Sorafenib in Olfactory Neuroblastoma. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2017</b> , 78, S1-S156	1.5	
6	Craniopharyngioma Pathogenesis and Implications for Medical Management. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2017</b> , 78, S1-S156	1.5	
5	Hypophysitis: Presenting Characteristics and Outcomes of 146 Patients. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2017</b> , 78, S1-S156	1.5	
4	Applications of Dynamic CT Angiography. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , <b>2017</b> , 78, S1-S156	1.5	
3	The endoscopic endonasal approach or microscopic transcranial approach for anterior skull base meningiomas-it is all about right indication rather than superiority. <i>Acta Neurochirurgica</i> , <b>2020</b> , 162, 75-76	3	
2	Association of venous thromboembolism following pediatric traumatic spinal injuries with injury severity and longer hospital stays. <i>Journal of Neurosurgery: Spine</i> , <b>2021</b> , 1-7	2.8	
1	Spinal level and cord involvement in the prediction of sepsis development after vertebral fracture repair for traumatic spinal injury.. <i>Journal of Neurosurgery: Spine</i> , <b>2022</b> , 1-7	2.8	