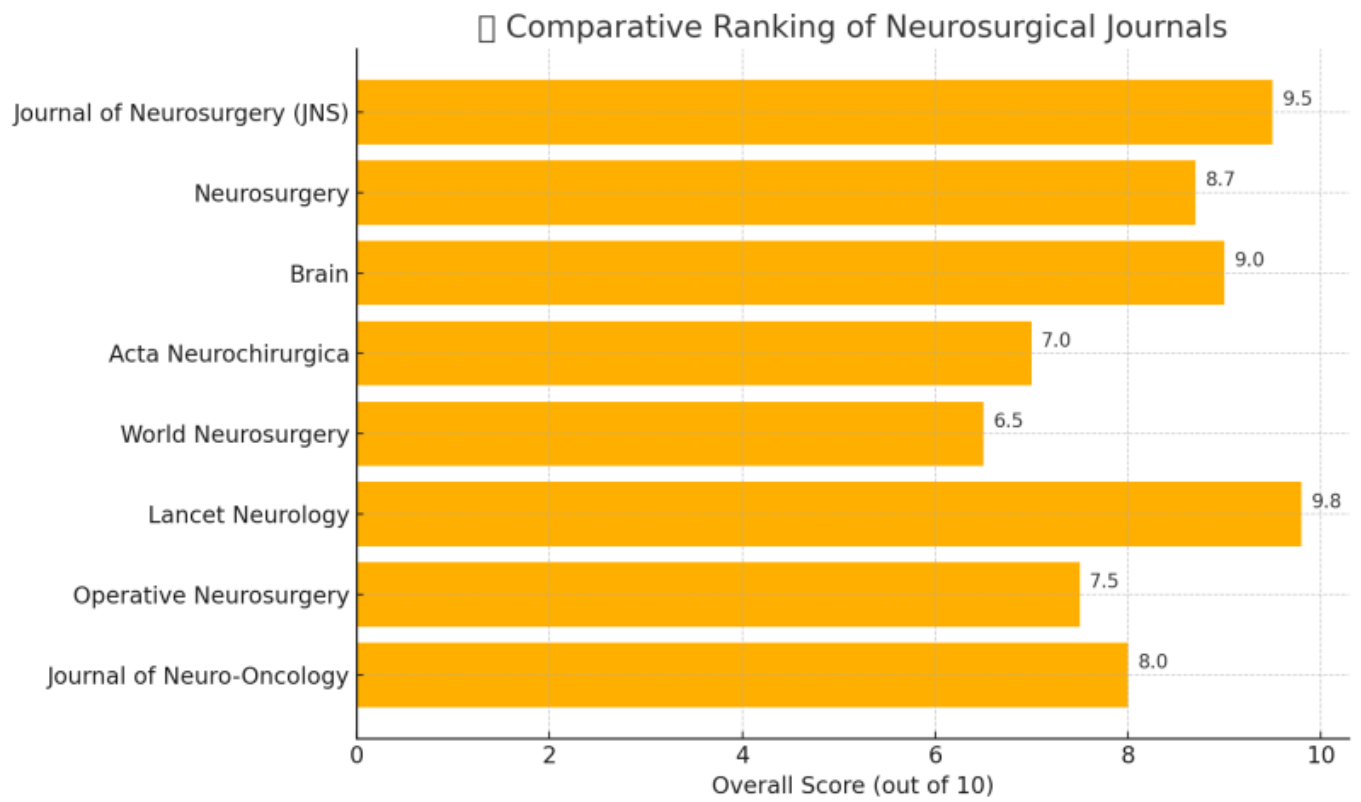


Neurosurgery Journals



The first [journal](#) dedicated to the field of [neurosurgery](#) can be debated. The first recurrent publication whose major focus was in the field of neurosurgery was Travaux de Neurologie Chirurgicale, initially published by Chipault in [1896](#)

Classification of Neurosurgical Journals

▣ Tier 1: High-Impact, Global Influence

These journals shape clinical practice and research worldwide.

Journal	Impact Factor (approx.)	Publisher	Notes
Journal of Neurosurgery (JNS)	~4.1	AANS	Flagship journal; includes Spine and Pediatrics editions.
Neurosurgery	~4.5	CNS / Oxford UP	High impact; includes *Operative Neurosurgery*.
Brain	~13	Oxford UP	Broad neuroscience focus, includes neurosurgical research.
Acta Neuropathologica	~17	Springer	Key for neuro-oncology and tumor pathology.

Journal	Impact Factor (approx.)	Publisher	Notes
Lancet Neurology	~59	Elsevier	Publishes major neurosurgical trials and reviews.

□ Tier 2: Specialty or Regionally Prestigious

Well-regarded journals in subspecialties or specific geographic regions.

Journal	Impact Factor	Focus
Acta Neurochirurgica	~3.0	General clinical neurosurgery; official EANS journal.
World Neurosurgery	~2.1	Global outlook; supports case reports and LMICs.
Operative Neurosurgery	~2.0	Surgical techniques and intraoperative innovation.
Journal of Clinical Neuroscience	~2.0	Broad clinical scope including neurosurgery.
JNS: Spine / Pediatrics	~2.5	Subspecialty editions of JNS.
Journal of Neurological Surgery Part A & B	~1.5	Skull base and spine focus.
Neurosurgical Review	~2.8	Review articles and original studies (Europe-centered).

□ Tier 3: Niche, Emerging, or Open Access

Useful for case reports, fast-track publication, or regional content.

Journal	Model	Focus
Frontiers in Surgery - Neurosurgery	Open Access	Accepts diverse neurosurgical content; thematic series.
Cureus	Open Access	Fast publishing; case reports; variable quality.
Asian Journal of Neurosurgery	Open Access	Regional case series; growing visibility.
Neurosurgical Focus	Thematic	Monthly focused topics; part of JNS family.
Journal of Neuro-Oncology	~3.5	Interdisciplinary CNS tumor research.
Journal of Stroke & Cerebrovascular Diseases	~2.2	Stroke and vascular neurosurgery.

□ Practical Recommendations

Purpose	Recommended Journals
Early-career publications	World Neurosurgery, Acta Neurochirurgica, Cureus
Technical innovation	Operative Neurosurgery, Neurosurgical Focus
High visibility research	JNS, Neurosurgery, Brain, Lancet Neurology
Neuro-oncology focus	Journal of Neuro-Oncology, Acta Neuropathologica

ACTA NEUROPATHOLOGICA

ACTA ORTHOPAEDICA

AMERICAN JOURNAL OF NEURORADIOLOGY

ANNALS OF NEUROSURGERY

ASIAN JOURNAL OF NEUROSURGERY

BRAIN INJURY

BRAIN PATHOLOGY

Brazilian Neurosurgery: Arquivos Brasileiros de Neurocirurgia

BRITISH JOURNAL OF NEUROSURGERY

CENTRAL EUROPEAN NEUROSURGERY

CHILDS NERVOUS SYSTEM

Chinese Journal of Contemporary Neurology and Neurosurgery

Chinese Journal of Neurosurgery

The Clinical Journal of Pain

CLINICAL NEUROLOGY AND NEUROSURGERY

Clinical Neurosurgery

CLINICAL ORTHOPAEDICS AND RELATED RESEARCH

COMPUTER AIDED SURGERY

Congress Quarterly

CONTEMPORARY NEUROSURGERY

CRITICAL REVIEWS IN NEUROSURGERY

EGYPTIAN JOURNAL OF NEUROLOGICAL SURGERY

Egyptian Journal of Neurosurgery

Egyptian Journal of Neurology, Psychiatry and Neurosurgery

EPILEPSIA

EPILEPSY & BEHAVIOR <http://www.elsevier.com/locate/issn/15255050>

Epilepsia Open

EPILEPSY RESEARCH <http://www.elsevier.com/locate/issn/09201211>

[EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY](#)

[EUROPEAN SPINE JOURNAL](#)

[Evidence-Based Spine-Care Journal](#)

[FLUIDS AND BARRIERS OF THE CNS](#)

[FRONTIERS IN NEUROENDOCRINOLOGY](#)

<http://www.journals.elsevier.com/frontiers-in-neuroendocrinology/>

[GLOBAL SPINE JOURNAL](#)

[HORMONES AND BEHAVIOR](#) <http://www.journals.elsevier.com/hormones-and-behavior/>

[Indian Journal of Neurosurgery](#)

[Interdisciplinary Neurosurgery](#)

[JOURNAL OF BONE AND JOINT SURGERY](#) <http://jbjs.org>

[JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM](#)

[JOURNAL OF CLINICAL NEUROPHYSIOLOGY](#)

[JOURNAL OF CLINICAL NEUROSCIENCE](#)

[JOURNAL OF KOREAN NEUROSURGICAL SOCIETY](#)

[JOURNAL OF NEURO-ONCOLOGY](#)

[JOURNAL OF NEURO-OPHTHALMOLOGY](#) <http://journals.lww.com/jneuro-ophthalmology>

[JOURNAL OF NEUROENDOCRINOLOGY](#) <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-JNE.html>

[JOURNAL OF NEUROIMAGING](#) <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-JON.html>

[JOURNAL OF NEUROINTERVENTIONAL SURGERY](#)

[JOURNAL OF NEUROLOGICAL SURGERY](#)

[JOURNAL OF NEUROLOGICAL SURGERY REPORTS](#)

[JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY](#)

[JOURNAL OF NEUROPHYSIOLOGY](#)

[JOURNAL OF NEUROSURGERY](#) <http://thejns.org/>

[JOURNAL OF NEUROSURGERY SPINE](#) <http://thejns.org/action/showCoverGallery?journalCode=SPI>

[JOURNAL OF NEUROSURGERY PEDIATRICS](#)

<http://thejns.org/action/showCoverGallery?journalCode=ped>

[Journal of Neurosurgical Anesthesiology](#)

JOURNAL OF NEUROSURGICAL SCIENCES

JOURNAL OF NEUROTRAUMA <http://www.liebertpub.com/overview/journal-of-neurotrauma/39/>

JOURNAL OF ORTHOPAEDIC SURGERY <http://www.josonline.org/>

JOURNAL OF SPINAL DISORDERS & TECHNIQUES <http://www.jspinaldisorders.com>

Journal of Spine & Neurosurgery

Journal of the neurological sciences

JOURNAL OF THE PERIPHERAL NERVOUS SYSTEM

JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY <http://www.jvir.org>

JOURNAL OF VASCULAR SURGERY <http://www.sciencedirect.com/science/journal/07415214>

MINIMALLY INVASIVE NEUROSURGERY

MOVEMENT DISORDERS

NEURONEWS <http://www.cxvascular.com/neuronews>

NEURO-ONCOLOGY

NEUROCHIRURGIE

NEUROCIRUGIA

NEUROCRITICAL CARE <http://www.springer.com/medicine/internal/journal/12028>

NEUROENDOCRINOLOGY
<http://content.karger.com/ProdukteDB/produkte.asp?Aktion=JournalHome&ProduktNr=223855>

NEUROIMAGE <http://www.sciencedirect.com/science/journal/10538119>

NEUROINTERVENTIONS <http://neurointervention.kr>

NEUROLOGIA I NEUROCHIRURGIA POLSKA http://www.termedia.pl/magazine.php?magazine_id=15

NEUROLOGIA MEDICO-CHIRURGICA

NEUROMODULATION <http://www.blackwell-synergy.com/loi/ner>

NEUROPATHOLOGY <http://www.blackwell-synergy.com/loi/neu>

NEUROPATHOLOGY AND APPLIED NEUROBIOLOGY <http://www.blackwell-synergy.com/loi/nan>

NEUROPEDIATRICS <http://www.thieme.com/SID2101845644925/journals/pubid1432672485.html>

NEUROSURGERY

NEUROSURGERY CLINICS OF NORTH AMERICA

NEUROSURGERY NEWS <http://www.neurosurgery.pitt.edu/news/neuronews/>

NEUROSURGERY QUARTERLY <http://www.neurosurgery-quarterly.com>

NEUROSURGICAL FOCUS

NEUROSURGICAL REVIEW

OPERATIVE TECHNIQUES IN NEUROSURGERY

ORTHOPEDICS <http://www.orthobluejournal.com/>

PAIN

PAIN MEDICINE <http://www.blackwell-synergy.com/loi/pme>

Panminerva medica

PARKINSON´S DISEASE <http://www.hindawi.com/journals/pd/>

PEDIATRIC NEUROSURGERY <http://www.karger.com/pne>

PITUITARY <http://www.springerlink.com/link.asp?id=103316>

PROGRESS IN NEUROLOGICAL SURGERY

PUBLICACIONES DE LA SOCIEDAD CIENTIFICA IBEROAMERICANA (NEUROCIRUGIA)
<http://www.siicsalud.com/main/siicsaprof.htm>

REVISTA ARGENTINA DE NEUROCIRUGIA

REVISTA CHILENA DE NEUROCIRUGIA

REVISTA DE LA SOCIEDAD ESPAÑOLA DEL DOLOR <http://revista.sedolor.es/>

ROMANIAN NEUROSURGERY

RUSSIAN NEUROSURGERY

SEMINARS IN NEUROSURGERY

SEMINARS IN SPINE SURGERY

SPINAL CORD

SPINE

STEREOTACTIC AND FUNCTIONAL NEUROSURGERY

STROKE

SURGICAL NEUROLOGY INTERNATIONAL

TECHNIQUES IN NEUROSURGERY

THE CANADIAN JOURNAL OF NEUROLOGICAL SCIENCES <http://www.cjns.org>

THE CEREBELLUM <http://www.springerlink.com/content/1473-4222/>

[The Internet Journal of Neurosurgery](#)

THE ORTHOPEDIC CLINICS OF NORTHAMERICA <http://orthopedic.theclinics.com/>

[THE SPINE JOURNAL](#)

[TURKISH NEUROSURGERY](#)

[WORLD NEUROSURGERY](#)

Core Journals

see [Core Journals](#)

Journals of Neurosurgical Interest ordered by citation

see [Journals of Neurosurgical Interest ordered by citation](#).

Spine

European Spine Journal

The Spine Journal

Spine

Journal of Spinal Disorders and Techniques

Journal of Neurosurgery: Spine

Predatory Journals

[Predatory Journals](#)

With the rapid proliferation of [artificial intelligence tools](#), important questions about their [applicability](#) to [manuscript preparation](#) have been raised.

Schneider et al. explore the methodological challenges of detecting AI-generated content in neurosurgical [publications](#), using existing detection tools to highlight both the presence of AI content and the fundamental limitations of current detection approaches.

They analyzed 100 randomly selected manuscripts published between 2023 and 2024 in high-impact [neurosurgery journals](#) using a two-tiered approach to identify potential AI-generated text. The text was classified as AI-generated if both robustly optimized bidirectional encoder representations from transformers pretraining approach (RoBERTa)-based AI classification tool yielded a positive classification and the text's perplexity score was less than 100. Chi-square tests were conducted to assess differences in the prevalence of AI-generated text across various manuscript sections, topics, and types. To eliminate bias introduced by the more structured nature of abstracts, a subgroup analysis was conducted that excluded abstracts as well.

Approximately one in five (20%) manuscripts contained sections flagged as AI-generated. [Abstracts](#) and [methods](#) sections were disproportionately identified. After excluding abstracts, the association between section type and AI-generated content was no longer statistically significant.

The findings highlight both the increasing integration of AI in manuscript preparation and a critical challenge in academic publishing as AI language models become increasingly sophisticated and traditional detection methods become less reliable. This suggests the need to shift focus from detection to [transparency](#), emphasizing the [development](#) of clear [disclosure](#) policies and [ethical guidelines](#) for AI use in academic writing ¹⁾.

¹⁾

Schneider DM, Mishra A, Gluski J, Shah H, Ward M, Brown ED, Sciubba DM, Lo SL. Prevalence of Artificial Intelligence-Generated Text in Neurosurgical Publications: Implications for Academic Integrity and Ethical Authorship. *Cureus*. 2025 Feb 16;17(2):e79086. doi: 10.7759/cureus.79086. PMID: 40109787; PMCID: PMC11920854.

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