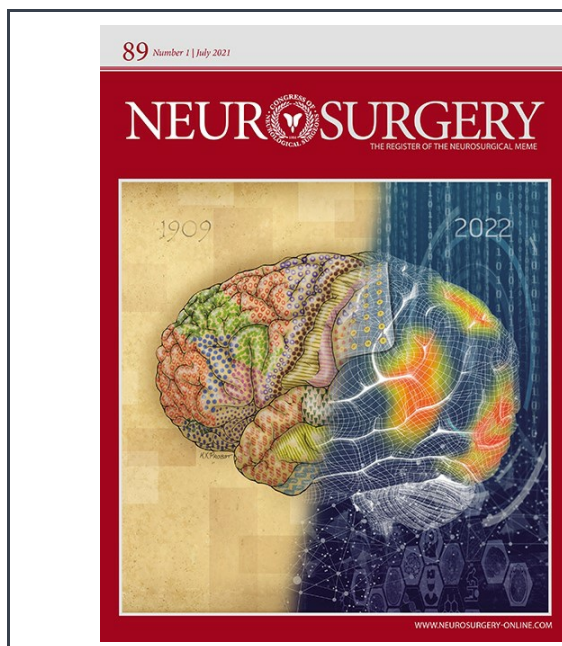




# Trending Articles: July 2021

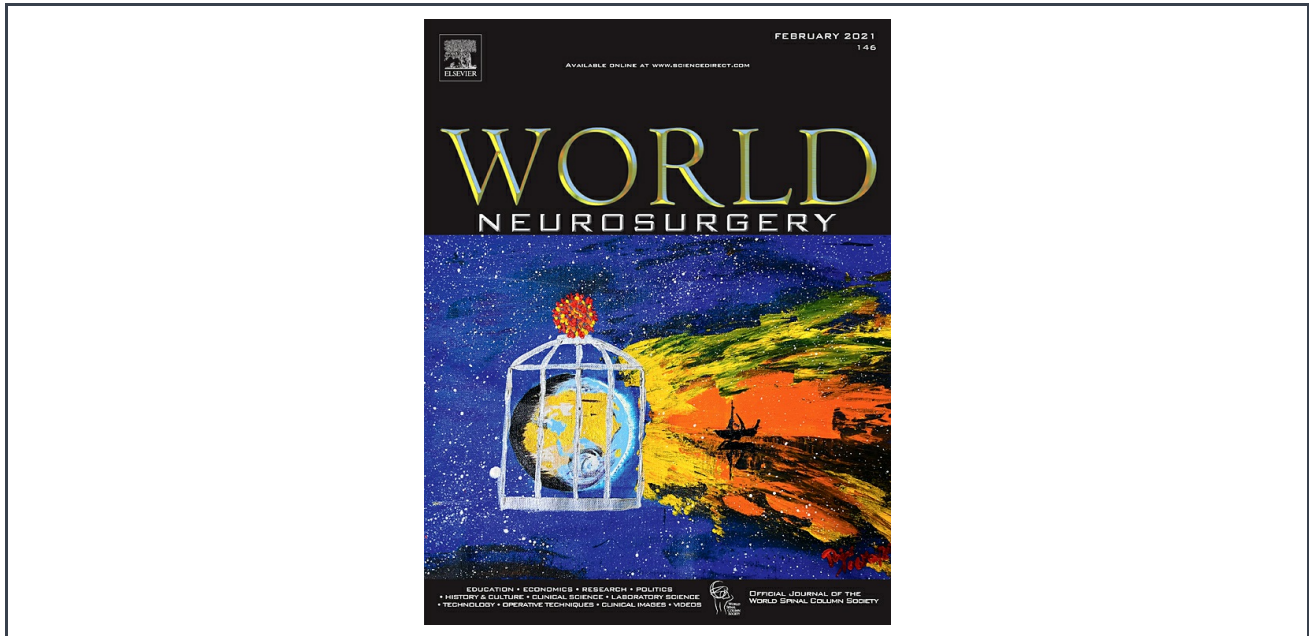
Last Updated: August 7, 2021

What follows is a collaborative effort between *The Neurosurgical Atlas* and leading publishers of neurosurgical literature to provide you with a concise list of newly released articles that are most frequently accessed. Participating journals are listed in alphabetical order with a quick navigation link available in the table below.



## WORLD NEUROSURGERY Editor's Choice

Partnership with the *WORLD NEUROSURGERY* journal took a different form such that the Editor's choice articles will instead be presented. A quick navigation link is available in the table below.



## JOURNAL OF NEUROSURGERY

1. [Professional Conduct Oversight in Neurosurgery](#)
2. [Retrosigmoid Transhorizontal Fissure Approach to Lateral Pontine Cavernous Malformation: Comparison to Transpetrosal Presigmoid Retrolabyrinthine Approach](#)
3. [Does Intrathecal Nicardipine for Cerebral Vasospasm Following Subarachnoid Hemorrhage Correlate With Reduced Delayed Cerebral Ischemia? A Retrospective Propensity Score-Based Analysis](#)
4. [Influence of Supramarginal Resection on Survival Outcomes After Gross-Total Resection of IDH-Wild-Type Glioblastoma](#)
5. [Failure Modes and Effects Analysis of Mechanical Thrombectomy for Stroke Discovered in Human Brains](#)
6. [Intermediate-Grade Brain Arteriovenous Malformations and the Boundary of Operability Using the Supplemented Spetzler-Martin Grading System](#)

7. [Dysgeusia Induced and Resolved by Focused Ultrasound Thalamotomy: Case Report](#)
8. [Extent of Parahippocampal Ablation Is Associated With Seizure Freedom After Laser Amygdalohippocampotomy](#)
9. [Neurosurgery Research and Education Foundation Funding Conversion to National Institutes of Health Funding](#)
10. [Neurofibromatosis Type 2–Associated Meningiomas: An International Multicenter Study of Outcomes After Gamma Knife Stereotactic Radiosurgery](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Late Morbidity and Mortality Following Revascularization Surgery for Moyamoya Disease in the Pediatric Population](#)
2. [Analysis of Longitudinal Head Impact Exposure and White Matter Integrity in Returning Youth Football Players](#)
3. [Endoscopic Transnasal/Transoral Odontoid Resection in Children: Results of a Combined Neurosurgical and Otolaryngological Protocolized, Institutional Approach](#)
4. [Shuntogram Utility in Predicting Future Shunt Failures](#)
5. [Neuroophthalmological Manifestations of Congenital Aqueductal Stenosis](#)
6. [Fourth Ventricle Roof Angle as a Measure of Fourth Ventricle Bowing and a Radiographic Predictor of Brainstem Dysfunction in Chiari Malformation Type I](#)
7. [Extradural Decompression Versus Duraplasty in Chiari Malformation Type I With Syringomyelia: Outcomes on Scoliosis From the Park-Reeves Syringomyelia Research Consortium](#)
8. [Patterns of Spinal Cord Malformation in Cloacal Exstrophy](#)
9. [Navigated Transcranial Magnetic Stimulation Mapping of the Motor Cortex for Preoperative Diagnostics in Pediatric Epilepsy](#)

10. [Achondroplasia Natural History Study \(CLARITY\): 60-Year Experience in Cervicomedullary Decompression in Achondroplasia From Four Skeletal Dysplasia Centers](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Use of Zero-Profile Device for Contiguous Three-Level Anterior Cervical Discectomy and Fusion: Comparison With Cage and Plate Construct](#)
2. [Biomechanical Effects of a Novel Posteriorly Placed Sacroiliac Joint Fusion Device Integrated With Traditional Lumbopelvic Long-Construct Instrumentation](#)
3. [Transforaminal Lumbar Interbody Fusion Using a Novel Minimally Invasive Expandable Interbody Cage: Patient-Reported Outcomes and Radiographic Parameters](#)
4. [Adjacent-Segment Effects of Lumbar Cortical Screw-Rod Fixation Versus Pedicle Screw-Rod Fixation With and Without Interbody Support](#)
5. [Incidence of Adjacent-Segment Surgery Following Stand-Alone Lateral Lumbar Interbody Fusion](#)
6. [Defining Minimal Clinically Important Differences in Pain and Disability Outcomes of Patients With Chronic Pain Treated With Spinal Cord Stimulation](#)
7. [Supraspinal Functional and Structural Plasticity in Patients Undergoing Surgery for Degenerative Cervical Myelopathy](#)
8. [The Comparative Accuracy and Safety of Fluoroscopic and Navigation-Based Techniques in Cervical Pedicle Screw Fixation: Systematic Review and Meta-analysis](#)
9. [Predictors of an Academic Career Among Fellowship-Trained Spinal Neurosurgeons](#)
10. [Postdecompressive Spinal Cord Blood Flow Increments in a Cervical Chronic Myelopathy Model in Rats](#)

## NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Letter: Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
3. [Commentary: A Neurosurgeons Guide to Cognitive Dysfunction in Adult Glioma](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
6. [Ultrasound in Traumatic Spinal Cord Injury: A Wide-Open Field](#)
7. [Pipeline Embolization Devices for the Treatment of Intracranial Aneurysms, Single-Center Registry: Long-Term Angiographic and Clinical Outcomes from 1000 Aneurysms](#)
8. [Neuropathology of Pediatric Brain Tumors: A Concise Review](#)
9. [The Relationship Between Stimulation Current and Functional Site Localization During Brain Mapping](#)
10. [Meningioma: A Pathology Perspective](#)

## OPERATIVE NEUROSURGERY

1. [Advanced Techniques for Endoscopic ICH Evacuation: A Technical Report With Case Examples](#)
2. [Future Directions in Robotic Neurosurgery](#)
3. [Emerging Technologies in Spinal Surgery](#)
4. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
5. [Essential Neurosurgery for Medical Students: Spine](#)



6. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
7. [Application of Augmented Reality in Percutaneous Procedures? Rhizotomy of the Gasserian Ganglion](#)
8. [Essential Neurosurgery for Medical Students: Vascular](#)
9. [Comparison of Transradial vs. Transfemoral Access in Neurovascular Fellowship Training: Overcoming the Learning Curve](#)
10. [Essential Neurosurgery for Medical Students: Trauma](#)

## WORLD NEUROSURGERY

1. [Single-Position Surgery Versus Lateral-Then-Prone-Position Circumferential Lumbar Interbody Fusion: A Systematic Literature Review](#)
2. [Quantifying Bone Quality Using Computed Tomography Hounsfield Units in the Mid-sagittal View of the Lumbar Spine](#)
3. [Economic Burden of Hospitalizations Associated With Opioid Dependence Among Patients Undergoing Spinal Fusion](#)
4. [Determinants of Survival in Skull Base Osteosarcoma: A National Cancer Database Study](#)
5. [Mechanical Thrombectomy for Distal Occlusions: Efficacy, Functional and Safety Outcomes: Insight From the STAR Collaboration](#)
6. [Comparison of Percutaneous Endoscopic Lumbar Discectomy and Open Lumbar Discectomy in the Treatment of Adolescent Lumbar Disc Herniation: A Retrospective Analysis](#)