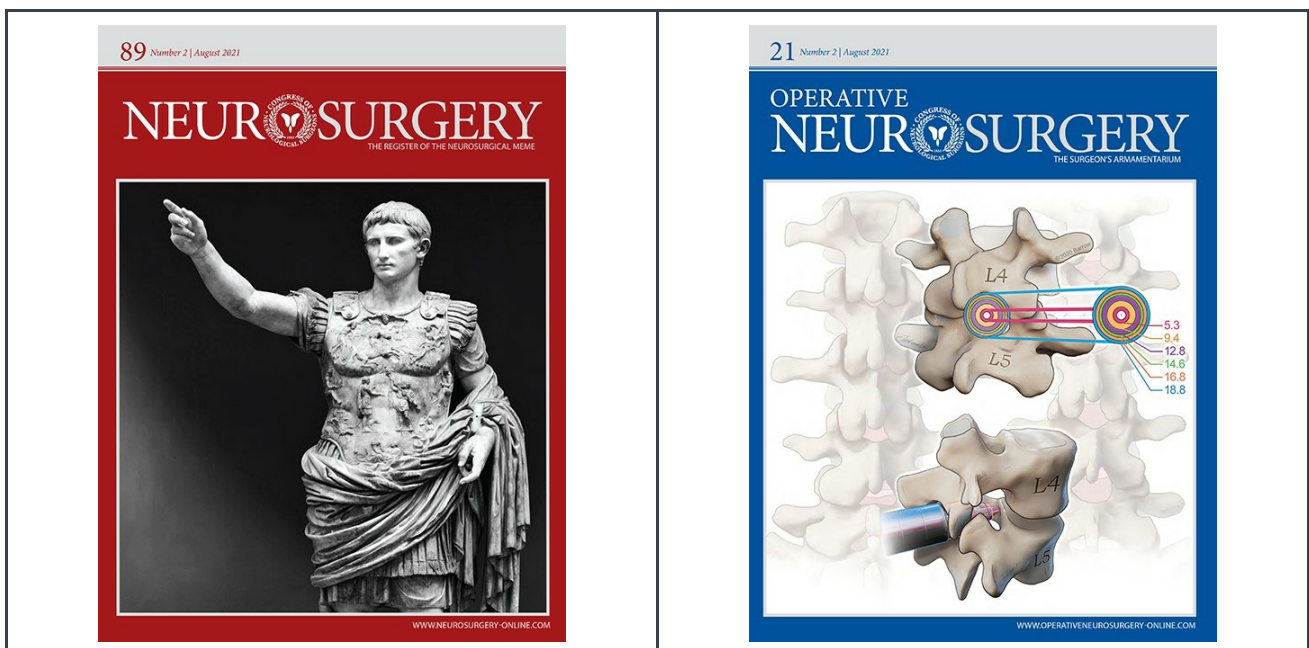




## Trending Articles: August 2021

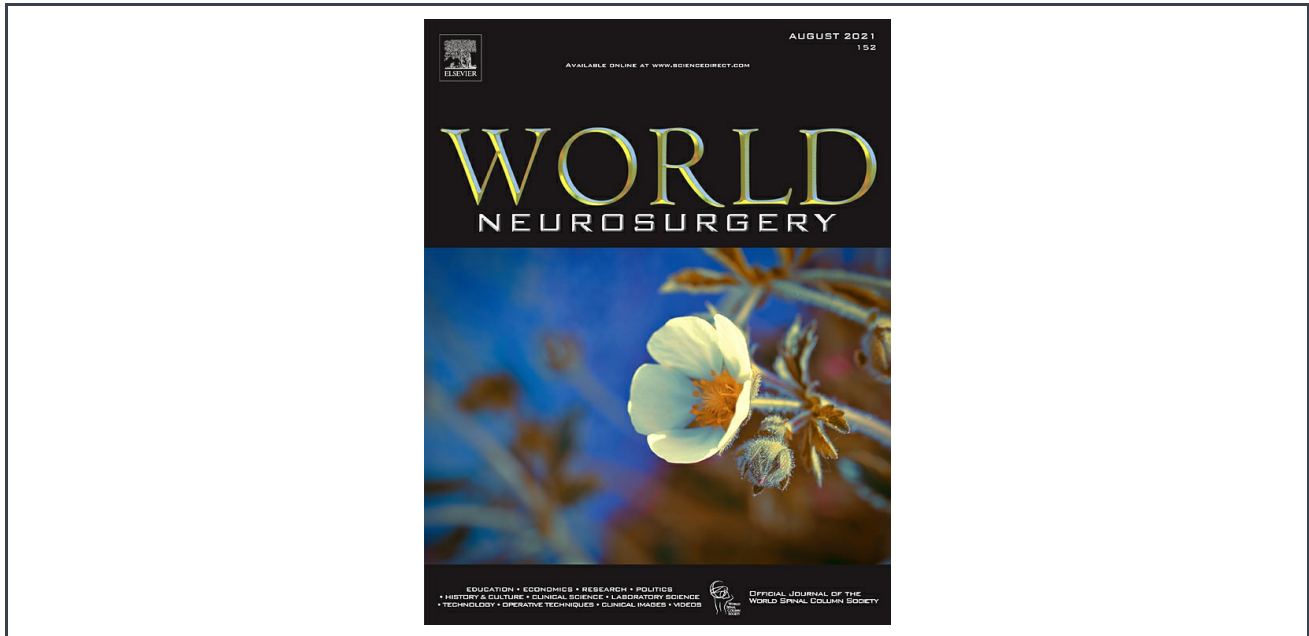
*Last Updated: August 12, 2021*

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. [Use of Predictive Spatial Modeling to Reveal That Primary Cancers Have Distinct Central Nervous System Topography Patterns of Brain Metastasis](#)
2. [Clinical Utility of Brain Biopsy for Presumed CNS Relapse of Systemic Lymphoma](#)
3. [Rescue Therapy for Vasospasm Following Aneurysmal Subarachnoid Hemorrhage: A Propensity Score-Matched Analysis With Machine Learning](#)
4. [Traumatic Axonal Injury: Is the Prognostic Information Produced by Conventional MRI and DTI Complementary or Supplementary?](#)
5. [Correlation of Anatomical Involvement Patterns of Insular Gliomas With Subnetworks of the Limbic System](#)
6. [Coding Cerebral Bypasses: A Proposed Nomenclature to Better Describe Bypass Constructs and Revascularization Techniques](#)

7. [On the Cutting Edge of Glioblastoma Surgery: Where Neurosurgeons Agree and Disagree on Surgical Decisions](#)
8. [Benefit of Spinal Cord Stimulation for Patients With Central Poststroke Pain: A Retrospective Multicenter Study](#)
9. [Brain Tumor-Related Epilepsy and Risk Factors for Metastatic Brain Tumors: Analysis of 601 Consecutive Cases Providing Real-World Data](#)
10. [Impact of International Research Fellows in Neurosurgery: Results From a Single Academic Center](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Normal Childhood Brain Growth and a Universal Sex and Anthropomorphic Relationship to Cerebrospinal Fluid](#)
2. [Comparison of Aesthetic Outcomes Between Open and Endoscopically Treated Sagittal Craniosynostosis](#)
3. [Pediatric Stereo-Electroencephalography: Effects of Robot Assistance and Other Variables on Seizure Outcome and Complications](#)
4. [Surgical Outcomes in Children With Bottom-of-Sulcus Dysplasia and Drug-Resistant Epilepsy: A Retrospective Cohort Study](#)
5. [Current Applications and Safety Profile of Laser Interstitial Thermal Therapy in the Pediatric Population: A Systematic Review of the Literature](#)
6. [Spring-Mediated Cranioplasty Versus Endoscopic Strip Craniectomy for Sagittal Craniosynostosis](#)
7. [External Lumbar Drainage in Progressive Pediatric Idiopathic Intracranial Hypertension](#)
8. [Long-Term Clinical and Radiographic Outcomes After Pial Pericranial Dural Revascularization: A Hybrid Surgical Technique for Treatment of Anterior Cerebral Territory Ischemia in Pediatric Moyamoya Disease](#)

9. [Rigid Versus Flexible Neuroendoscopy: A Systematic Review and Meta-analysis of Endoscopic Third Ventriculostomy for the Management of Pediatric Hydrocephalus](#)
10. [Brain Growth After Surgical Treatment for Infant Postinfectious Hydrocephalus in Sub-Saharan Africa: 2-Year Results of a Randomized Trial](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Does Minimally Invasive Spine Surgery Improve Outcomes in the Obese Population? A Retrospective Review of 1442 Degenerative Lumbar Spine Surgeries](#)
2. [The Change in Postoperative Opioid Prescribing After Lumbar Decompression Surgery Following State-Level Opioid Prescribing Reform](#)
3. [Does Transforaminal Lumbar Interbody Fusion Induce Lordosis or Kyphosis? Radiographic Evaluation With a Minimum 2-Year Follow-up](#)
4. [Factors Associated With Using an Interbody Fusion Device for Low-Grade Lumbar Degenerative Versus Isthmic Spondylolisthesis: A Retrospective Cohort Study](#)
5. [Should L3 Be Selected as the Lowest Instrumented Vertebra in Patients With Lenke type 5C Adolescent Idiopathic Scoliosis Whose Lowest End Vertebra Is L4?](#)
6. [Removal of Instrumentation for Postoperative Spine Infection: Systematic Review](#)
7. [Biomechanics of Open Versus Minimally Invasive Deformity Correction: Comparison of Stability and Rod Strain Between Pedicle Subtraction Osteotomy and Anterior Column Realignment](#)
8. [Antimicrobial Prophylaxis in Noninstrumented Spine Surgery: A Prospective Study to Determine Efficacy and Drawbacks](#)
9. [Reduced Occurrence of Primary Rod Fracture After Adult Spinal Deformity Surgery With Accessory Supplemental Rods:](#)

## Retrospective Analysis of 114 Patients With Minimum 2-Year Follow-up

10. Retrograde Ejaculation Following Anterior Lumbar Surgery: A Systematic Review and Pooled Analysis

## **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. 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. Clinical Pearls and Methods for Intraoperative Awake Language Mapping
6. Amygdala and Hypothalamus: Historical Overview With Focus on Aggression
7. State of Radiomics in Glioblastoma
8. Syndrome of the Trephined: A Systematic Review
9. Machine Learning and Artificial Intelligence in Neurosurgery: Status, Prospects, and Challenges
10. Surfer's Myelopathy: A Rare Form of Spinal Cord Infarction in Novice Surfers: A Systematic Review

## **OPERATIVE NEUROSURGERY**

1. Essential Neurosurgery for Medical Students: Spine
2. Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video
3. Robotic Applications in Cranial Neurosurgery: Current and Future

4. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
5. [Robotics in Spine Surgery and Spine Surgery Training](#)
6. [Commentary: Microsurgical Anatomy of the Endoscopy-Assisted Retrosigmoid Intradural Suprameatal Approach to the Meckel's Cave](#)
7. [Total Petrosectomy for the Total Resection of Sphenopetroclival Meningioma](#)
8. [Experience With Ventriculoperitoneal and Lumboperitoneal Shunting for the Treatment of Idiopathic Intracranial Hypertension: A Single Institution Series](#)
9. [Interhemispheric Precuneus Retrosplenial Transfalicine Approach for Falcotentorial Meningiomas: Anatomical Study and Clinical Series](#)
10. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)

## **WORLD NEUROSURGERY**

1. [Cement-Augmented and Dual-Headed Posterior Screw Reconstruction After Corpectomy for Metastatic Tumor Resection](#)
2. [Neurosurgery and the Philosophical Unknowns](#)
3. [Transorbital Neuroendoscopic Surgery as a Mainstream Neurosurgical Corridor: A Systematic Review](#)
4. [Achievement of a Minimum Clinically Important Difference for Back Disability Is a Suitable Predictor of Patient Satisfaction Among Lumbar Fusion Patients](#)
5. [Operative Versus Nonoperative Management of Idiopathic Spinal Cord Herniation: Effect on Symptomatology and Disease Progression](#)
6. [Marital Status Independently Predicts Glioma Patient Mortality: A Surveillance, Epidemiology, and End Results \(SEER\) Analysis](#)

