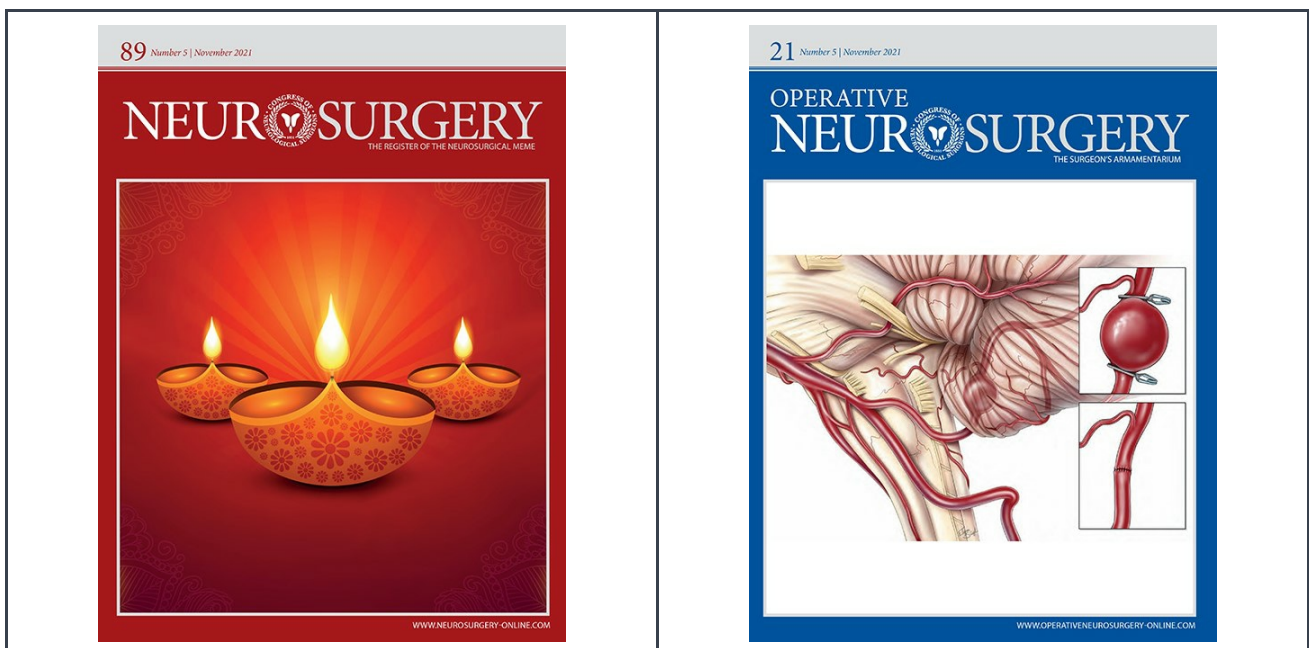




Trending Articles: November 2021

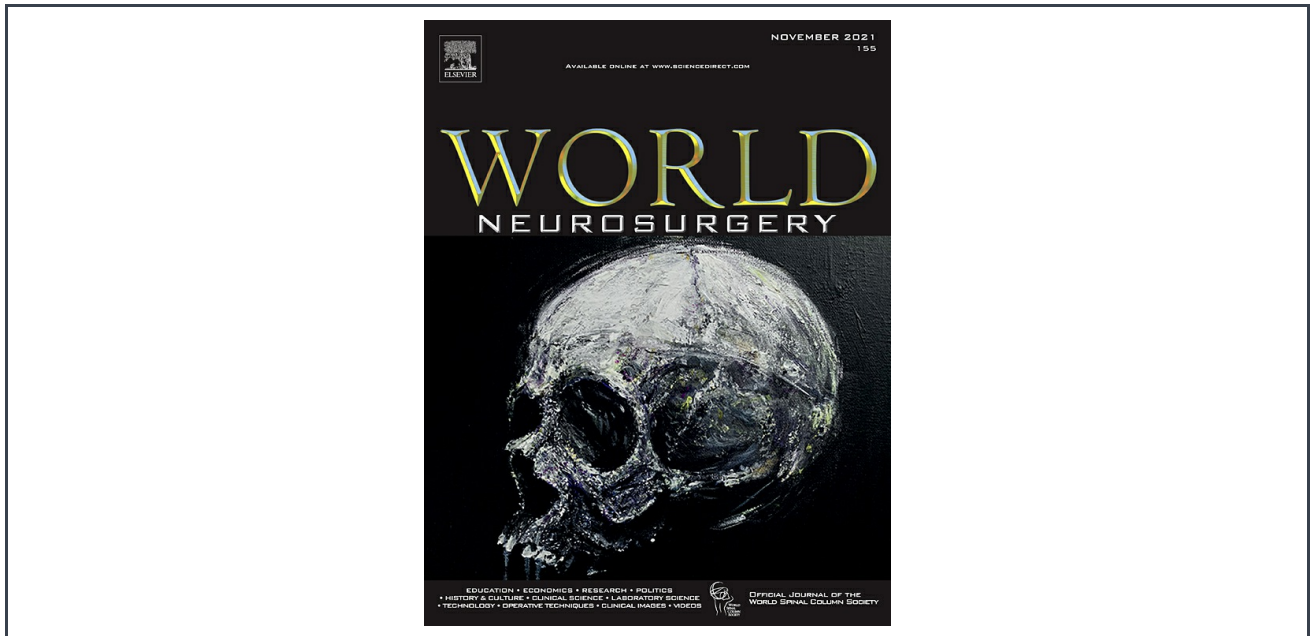
Last Updated: November 10, 2021

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 and given free access for 1 year from publication. A quick navigation link is available in the table below.



JOURNAL OF NEUROSURGERY

1. [External Validation of the Lawton Brainstem Cavernous Malformation Grading System in a Cohort of 277 Microsurgical Patients](#)
2. [Resection of Supplementary Motor Area Gliomas: Revisiting Supplementary Motor Syndrome and the Role of the Frontal Aslant Tract](#)
3. [Frameless Neuronavigation With Computer Vision and Real-Time Tracking for Bedside External Ventricular Drain Placement: A Cadaveric Study](#)
4. [5-Aminolevulinic Acid for Enhanced Surgical Visualization of High-Grade Gliomas: A Prospective, Multicenter Study](#)
5. [Differentiation of Chiari Malformation Type 1 and Spontaneous Intracranial Hypotension Using Objective Measurements of Midbrain Sagging](#)

6. [The Woven EndoBridge \(WEB\) Device: Feasibility, Techniques, and Outcomes After FDA Approval](#)
7. [Evaluation of Early Postoperative Day 1 Discharge After Endoscopic Endonasal Pituitary Adenoma Resection](#)
8. [Visual Deterioration After Endonasal Endoscopic Skull Base Surgery: Causes, Treatments, and Outcomes](#)
9. [Aneurysm Presence at the Anterior Communicating Artery Bifurcation Is Associated With Caliber Tapering of the A1 Segment](#)
10. [The Neurosurgical Management of Sinonasal Malignancies Involving the Anterior Skull Base: A 28-Year Experience at The MD Anderson Cancer Center](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Quality of Life and Satisfaction in Surgical Versus Conservative Treatment of Nonsyndromic Children With Craniosynostosis](#)
2. [New Interinstitutional, Multimodal Presurgical Evaluation Protocol Associated With Improved Seizure Freedom for Poorly Defined Cases of Focal Epilepsy in Children](#)
3. [Does Ventricle Size Contribute to Cognitive Outcomes in Posthemorrhagic Hydrocephalus? Role of Early Definitive Intervention](#)
4. [The Impact of Helmet Use on Neurosurgical Care and Outcomes After Pediatric All-Terrain Vehicle and Dirt Bike Crashes: A 10-Year Single-Center Experience](#)
5. [Genomic Approaches to Improve the Clinical Diagnosis and Management of Patients With Congenital Hydrocephalus](#)
6. [Rate of Craniometric Change Following Suture Release in Patients With Metopic and Sagittal Craniosynostosis](#)
7. [Intracranial Neuromodulation With Deep Brain Stimulation and Responsive Neurostimulation in Children With Drug-Resistant Epilepsy: A Systematic Review](#)

8. [Absence of the RNF213 p.R4810K Variant May Indicate a Severe Form of Pediatric Moyamoya Disease in Japanese Patients](#)
9. [A Survival Analysis of Ventricular Access Devices for Delivery of Cerliponase Alfa](#)
10. [Determination of the Normal Conus Medullaris Level in Term Infants: The Role of MRI in Early Infancy](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Patient Complaints in the Postoperative Period Following Spine Surgery](#)
2. [Utility of Intraoperative Neuromonitoring and Outcomes of Neurological Complication in Lower Cervical and Upper Thoracic Posterior-Based Three-Column Osteotomies for Cervical Deformity](#)
3. [Revision Surgery Following Minimally Invasive Decompression for Lumbar Spinal Stenosis With and Without Stable Degenerative Spondylolisthesis: A 5- to 15-year Reoperation Survival Analysis](#)
4. [Clinical Accuracy and Initial Experience With Augmented Reality-Assisted Pedicle Screw Placement: The First 205 Screws](#)
5. [Clinical and Radiographic Characteristics of Sacral Arteriovenous Fistulas: A Multicenter Experience](#)
6. [Predictors of Functional Recovery Following Surgery for Foot Drop Due to Degenerative Lumbar Disease](#)
7. [Evaluating Stability of the Craniovertebral Junction After Unilateral C1 Lateral Mass Resection: Implications for the Direct Lateral Approach](#)
8. [Novel Wrapping Surgery for Symptomatic Sacral Perineural Cysts](#)
9. [Yoga as an Adjunctive Treatment for Nonoperative Low-Back Pain](#)
10. [Flexible Thecoscopy for Extensive Spinal Arachnoiditis](#)

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. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
4. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
5. [Syndrome of the Trephined: A Systematic Review](#)
6. [Overview of Mechanical Thrombectomy Techniques](#)
7. [Central Nervous System Plasticity Influences Language and Cognitive Recovery in Adult Glioma](#)
8. [Effectiveness of Surgical Decompression in Patients With Degenerative Cervical Myelopathy: Results of the Canadian Prospective Multicenter Study](#)
9. [Prevention of Surgical Site Infection in Spine Surgery](#)
10. [The Hydrogel Endovascular Aneurysm Treatment Trial \(HEAT\): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil](#)

OPERATIVE NEUROSURGERY

1. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
2. [Essential Neurosurgery for Medical Students: Spine](#)
3. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
4. [Cerebral Bypass for Aneurysms in the Era of Flow Diversion: Single-Surgeon Case Series](#)
5. [Introduction: What is Neurosurgery?](#)

6. [Essential Neurosurgery for Medical Students: Trauma](#)
7. [Essential Neurosurgery for Medical Students: Vascular](#)
8. [Essential Neurosurgery for Medical Students: Tumor](#)
9. [Estimating the Risk of Deep Brain Stimulation in the Modern Era: 2008 to 2020](#)
10. [Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)

WORLD NEUROSURGERY

1. [The Difference Between Preoperative and Postoperative Pituitary Stalk Deviation Angles Can Predict Delayed Hyponatremia After Transsphenoidal Surgery](#)
2. [The Clinical Use of Serum Biomarkers in Traumatic Brain Injury: A Systematic Review Stratified by Injury Severity](#)
3. [Patient Satisfaction Following Minimally Invasive and Open Surgeries for Adult Spinal Deformity](#)
4. [Socioeconomic Inequities in the Surgical Management of Moyamoya Disease](#)
5. [First American College of Surgeons National Surgical Quality Improvement Program Report From a Low-Middle-Income Country: A 1-Year Outcome Analysis of Neurosurgical Cases](#)
6. [The Light at the End of the Tunnel: Neurosurgery Education During COVID](#)