



## Trending Articles: October 2021

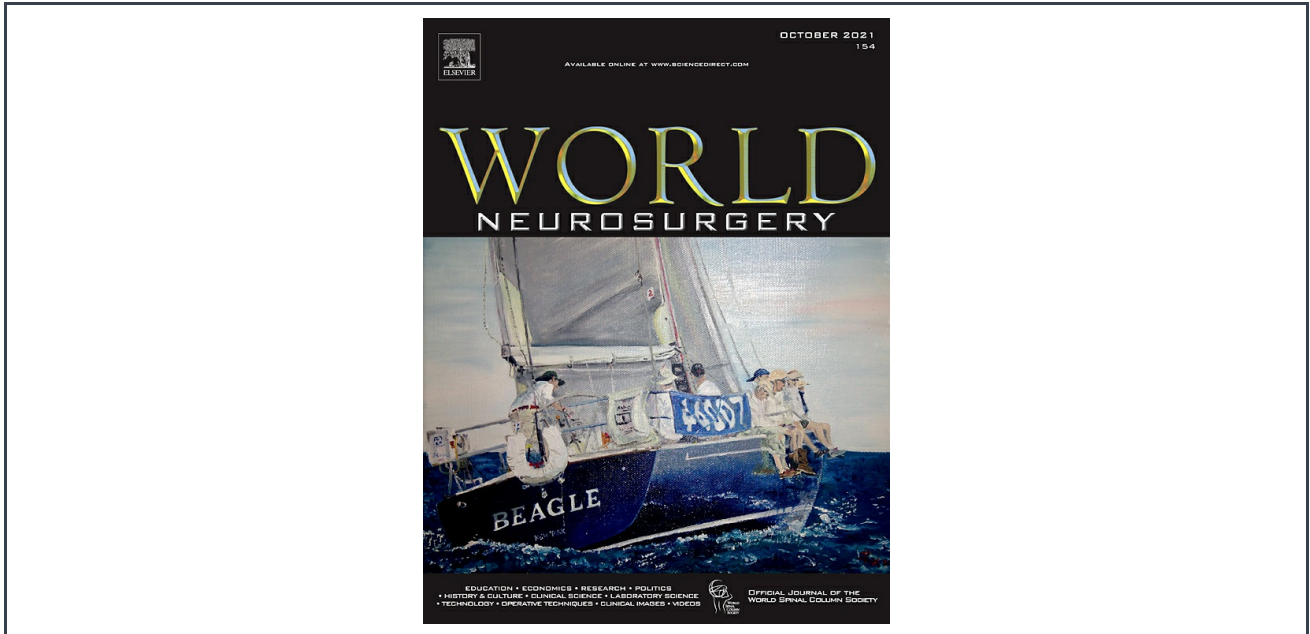
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What follows is a collaborative effort between The Neurosurgical Atlas and leading publishers of neurosurgical literature to provide you with a concise list of newly released articles that are most frequently accessed. Participating journals are listed 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. [Comparative Analysis of the Combined Petrosal and the Pretemporal Transcavernous Anterior Petrosal Approach to the Petroclival Region](#)
2. [Endoscopic Approach for Giant Pituitary Adenoma: Clinical Outcomes of 205 Patients and Comparison of Two Proposed Classification Systems for Preoperative Prediction of Extent of Resection](#)
3. [Risk of Tract Recurrence With Stereotactic Biopsy of Brain Metastases: An 18-Year Cancer Center Experience](#)
4. [Clinical and Radiologic Outcomes After Stereotactic Radiosurgery for Meningiomas in Direct Contact With the Optic Apparatus: An International Multicenter Study](#)
5. [Stereotactic Radiosurgery for Secretory Pituitary Adenomas: Systematic Review and International Stereotactic Radiosurgery](#)

## Society Practice Recommendations

6. Lessons From the Life of Asia's First Female Neurosurgeon for Modern Neurosurgical Trainees and Educators Worldwide
7. Feasibility of Robot-Assisted Neuroendovascular Procedures
8. Ulnar Nerve Decompression and Transposition With Versus Without Supercharged End-to-Side Motor Nerve Transfer for Advanced Cubital Tunnel Syndrome: A Randomized Comparison Study
9. A Prospective Controlled Study on the Impact of Anterior Temporal Lobectomy on Dream Content
10. Genetic Variations of Adenosine Kinase as Predictable Biomarkers of Efficacy of Vagus Nerve Stimulation in Patients With Pharmacoresistant Epilepsy

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. Return of the Lesion: A Meta-analysis of 1134 Angiographically Cured Pediatric Arteriovenous Malformations
2. External Ventricular Drainage for Posthemorrhagic Ventricular Dilatation in Preterm Infants: Insights on Efficacy and Failure
3. Epidemiology and Outcomes of Pediatric Intracranial Aneurysms: Comparison With an Adult Population in a 30-Year, Prospective Database
4. Elevated Intracranial Pressure With Craniosynostosis: A Multivariate Model of Age, Syndromic Status, and Number of Involved Cranial Sutures
5. Intraparenchymal Hemorrhage After Serial Ventricular Reservoir Taps in Neonates With Hydrocephalus and Association With Neurodevelopmental Outcome at 2 Years of Age
6. International Survey on the Management of Lumbosacral Cutaneous Stigmata in Infants With Suspected Occult Spinal Dysraphism
7. Targeting of Cyclin-Dependent Kinases in Atypical Teratoid

## Rhabdoid Tumors With Multikinase Inhibitor TG02

8. Early Implementation of Stereoelectroencephalography in Children: A Multiinstitutional Case Series
9. Longitudinal Scoliosis Behavior in Chiari Malformation With and Without Syringomyelia
10. Predicting Outcomes in Dandy-Walker Malformation: A Retrospective Cohort Study

## **JOURNAL OF NEUROSURGERY: SPINE**

1. The Role of Postoperative Antibiotic Duration on Surgical Site Infection After Lumbar Surgery
2. Double Tubular Minimally Invasive Spine Surgery: A Novel Technique Expands the Surgical Visual Field During Resection of Intradural Pathologies
3. Freehand Screw Insertion Technique Without Image Guidance for the Cortical Bone Trajectory Screw in Posterior Lumbar Interbody Fusion: What Affects Screw Misplacement?
4. Acute, Severe Traumatic Spinal Cord Injury: Improving Urinary Bladder Function by Optimizing Spinal Cord Perfusion
5. Acute Failure of S2-Alar-Iliac Screw Pelvic Fixation in Adult Spinal Deformity: Novel Failure Mechanism, Case Series, and Review of the Literature
6. Improvements in Lower-Extremity Patient-Reported Outcomes After Lumbar Interbody Fusion
7. Does Reduction of the Meyerding Grade Correlate With Outcomes in Patients Undergoing Decompression and Fusion for Grade I Degenerative Lumbar Spondylolisthesis?
8. Scalable Culture Techniques to Generate Large Numbers of Purified Human Schwann Cells for Clinical Trials in Human Spinal Cord and Peripheral Nerve Injuries
9. Bilateral Open Sacroiliac Joint Fusion During Adult Spinal Deformity

## [Surgery Using Triangular Titanium Implants: Technique Description and Presentation of 21 Cases](#)

10. [Impact of an Intraoperative Coronal Spinal Alignment Measurement Technique Using a Navigational Tool for a 3D Spinal Rod Bending System in Adult Spinal Deformity Cases](#)

## **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. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [A Review of Cortical and Subcortical Stimulation Mapping for Language](#)
6. [Pipeline Embolization Devices for the Treatment of Intracranial Aneurysms, Single-Center Registry: Long-Term Angiographic and Clinical Outcomes From 1000 Aneurysms](#)
7. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Perioperative Spine: Preoperative Opioid Evaluation](#)
8. [Overview of Mechanical Thrombectomy Techniques](#)
9. [Commentary: Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Multi-Center Experience of 154 Consecutive Embolizations](#)
10. [Surgery of Insular Diffuse Gliomas—Part 1: Transcortical Awake Resection Is Safe and Independently Improves Overall Survival](#)

## 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. [Essential Neurosurgery for Medical Students: Tumor](#)
5. [Essential Neurosurgery for Medical Students: Introduction: What Is Neurosurgery?](#)
6. [Petroclival Meningiomas: A Simple System That Could Help in Selecting the Approach](#)
7. [Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
8. [Essential Neurosurgery for Medical Students: Vascular](#)
9. [Commentary: A Novel Weave Tether Technique for Proximal Junctional Kyphosis Prevention in 71 Adult Spinal Deformity Patients: A Preliminary Case Series Assessing Early Complications and Efficacy](#)
10. [Essential Neurosurgery for Medical Students: Trauma](#)

## WORLD NEUROSURGERY

1. [Engaging Medical Students in Neurointervention: Rationale and Recruitment](#)
2. [Women in Neurosurgery Around the World: A Systematic Review and Discussion of Barriers, Training, Professional Development, and Solutions](#)
3. [Morphologic Variations in the Circle of Willis as a Risk Factor for Aneurysm Rupture in the Anterior and Posterior Communicating Arteries](#)
4. [Socioeconomic Disparities in Non-Small Cell Lung Cancer With](#)

[Brain Metastases at Presentation: A Population-Based Study](#)

5. [Metastatic Renal Cell Carcinoma to the Spine: Outcomes and Morbidity: Single-Center Experience](#)
  6. [Association Between Vertebral Rotatory Subluxation and the Apical Vertebra in Degenerative Lumbar Scoliosis](#)
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