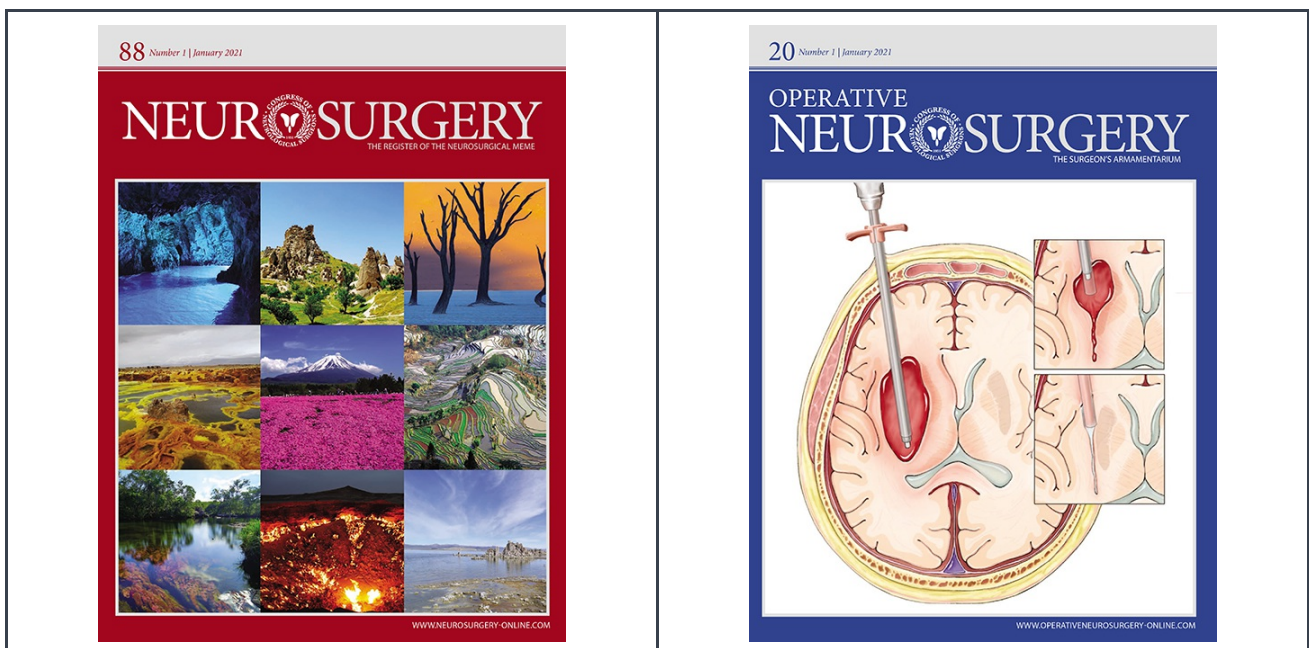




Trending Articles: January 2021

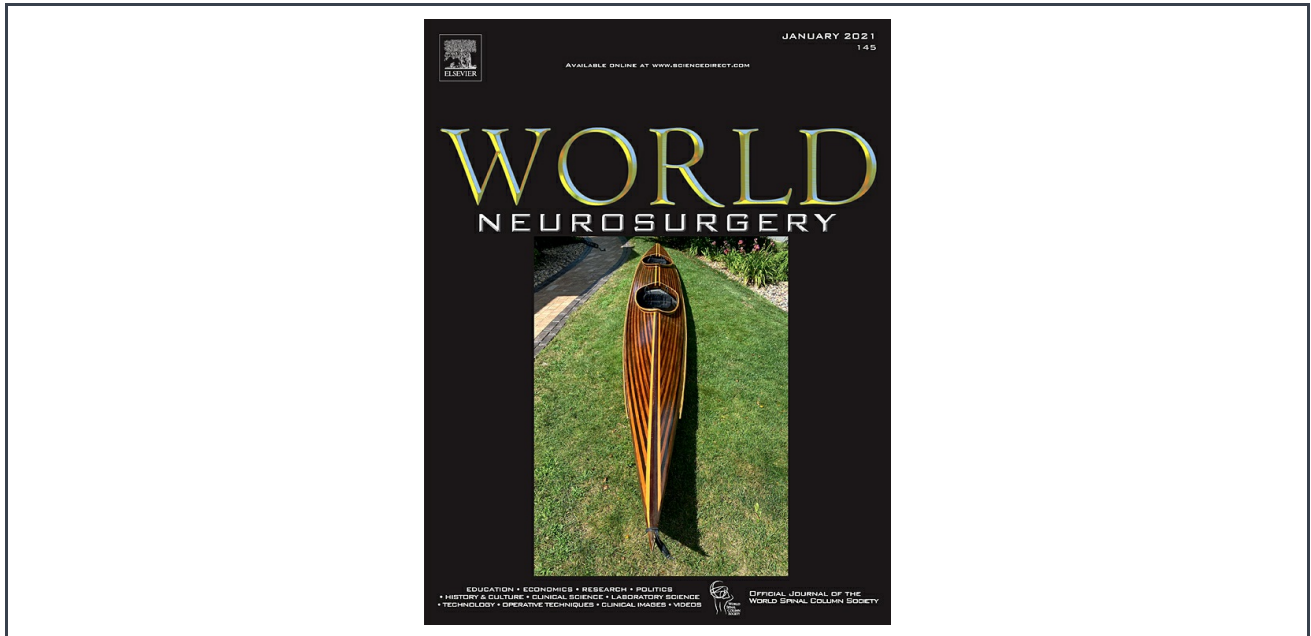
Last Updated: July 14, 2021

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. [Clinical and genomic factors associated with seizures in meningiomas](#)
2. [Functional DTI tractography in brainstem cavernoma surgery](#)
3. [Outcomes of stereotactic radiosurgery for hemorrhagic arteriovenous malformations with or without prior resection or embolization](#)
4. [Intracranial EEG and laser interstitial thermal therapy in MRI-negative insular and/or cingulate epilepsy: case series](#)
5. [The mediums of dissemination of knowledge and illustration in neurosurgery: unraveling the evolution](#)
6. [Internal dose escalation associated with increased local control for melanoma brain metastases treated with stereotactic radiosurgery](#)
7. [Neuropsychological assessments before and after awake surgery for incidental low-grade gliomas](#)

8. [Stereotactic radiosurgery with versus without prior Onyx embolization for brain arteriovenous malformations](#)
9. [Holmes tremor: a delayed complication after resection of brainstem cavernomas](#)
10. [Resident evaluations in the age of competency-based medical education: faculty perspectives on minimizing burdens](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Resolution of type I Chiari malformation and associated syringomyelia following intrathecal chemotherapy: case report](#)
2. [Artificial intelligence for automatic cerebral ventricle segmentation and volume calculation: a clinical tool for the evaluation of pediatric hydrocephalus](#)
3. [Folate fortification and supplementation in prevention of folate-sensitive neural tube defects: a systematic review of policy](#)
4. [High-grade gliomas in children and adolescents: is there a role for reoperation?](#)
5. [The utility of arterial spin labeling in the presurgical evaluation of poorly defined focal epilepsy in children](#)
6. [Long-term stability of fusiform dilatation of the internal carotid artery following surgery adjacent to the circle of Willis: report of 2 cases](#)
7. [Effectiveness of the Chiari Health Index for Pediatrics instrument in measuring postoperative health-related quality of life in pediatric patients with Chiari malformation type I](#)
8. [Temporal trends in surgical procedures for pediatric hydrocephalus: an analysis of the Hydrocephalus Clinical Research Network Core Data Project](#)
9. [Placement of leads for stereotactic electroencephalography without the use of anchor bolts: technical note](#)
10. [Predictors of fast and ultrafast shunt failure in pediatric](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [The association between patient rating of their spine surgeon and quality of postoperative outcome](#)
2. [Spinal laser interstitial thermal therapy: single-center experience and outcomes in the first 120 cases](#)
3. [Lumbar alignment and patient-reported outcomes after single-level transforaminal lumbar interbody fusion for degenerative lumbar spondylolisthesis with and without local coronal imbalance](#)
4. [5-ALA fluorescence for intraoperative visualization of spinal ependymal tumors and identification of unexpected residual tumor tissue: experience in 31 patients](#)
5. [Spinal pathologies and management strategies associated with cervical angina \(pseudoangina\): a systematic review](#)
6. [Multicenter assessment of surgical outcomes in adult spinal deformity patients with severe global coronal malalignment: determination of target coronal realignment threshold](#)
7. [Experience with an Enhanced Recovery After Spine Surgery protocol at an academic community hospital](#)
8. [Correlation of vertebral trabecular attenuation in Hounsfield units and the upper instrumented vertebra with proximal junctional failure after surgical treatment of degenerative lumbar disease](#)
9. [Surgical results of nonambulatory patients caused by ossification of the posterior longitudinal ligaments in the thoracic spine: retrospective comparative study between posterior decompression and instrumented spinal fusion versus anterior decompression through a posterior approach](#)
10. [Predicting postoperative quality-of-life outcomes in patients with metastatic spine disease: who benefits?](#)

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
3. [A Review of Passive Brain Mapping Techniques in Neurological Surgery](#)
4. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
5. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
6. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
7. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Treatment of Pediatric Hydrocephalus: Update of the 2014 Guidelines](#)
8. [Overview of Mechanical Thrombectomy Techniques](#)
9. [Vitamin D—A New Perspective in Treatment of Cerebral Vasospasm](#)
10. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Neuroablative Procedures for Patients With Cancer Pain](#)

OPERATIVE NEUROSURGERY

1. [Thrombolysis for Evacuation of Intracerebral and Intraventricular Hemorrhage: A Guide to Surgical Protocols With Practical Lessons Learned From the MISTIE and CLEAR Trials](#)
2. [Essential Neurosurgery for Medical Students: Trauma](#)
3. [Controversies and Advances in Adult Intracranial Bypass Surgery in 2020](#)

4. [Essential Neurosurgery for Medical Students: Spine](#)
5. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
6. [Supplementation of Screw-Rod C1-C2 Fixation With Posterior Arch Femoral Head Allograft Strut](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [Essential Neurosurgery for Medical Students: Tumor](#)
9. [The Supraorbital Eyebrow Craniotomy for Intra- and Extra-Axial Brain Tumors: A Single-Center Series and Technique Modification](#)
10. [Essential Neurosurgery for Medical Students: Vascular](#)

WORLD NEUROSURGERY Editor's Choice

1. [COVID Contingencies: Resource Rationing on a Global Scale](#)
2. [First Report of Pharmacogenomic Profiling in an Outpatient Spine Setting: Preliminary Results from a Pilot Study](#)
3. [Endoscopic Anatomy and a Safe Surgical Corridor to the Anterior Skull Base](#)
4. [Three-Dimensional Printed Anatomic Modeling for Surgical Planning and Real-Time Operative Guidance in Complex Primary Spinal Column Tumors: Single-Center Experience and Case Series](#)
5. [Peritumoral Brain Edema and Surgical Outcome in Secretory Meningiomas: A Matched-Cohort Analysis](#)
6. [Open Microvascular Thrombectomy for Acute Intracranial Large Vessel Occlusion: Microsurgery in the Endovascular Thrombectomy Era](#)