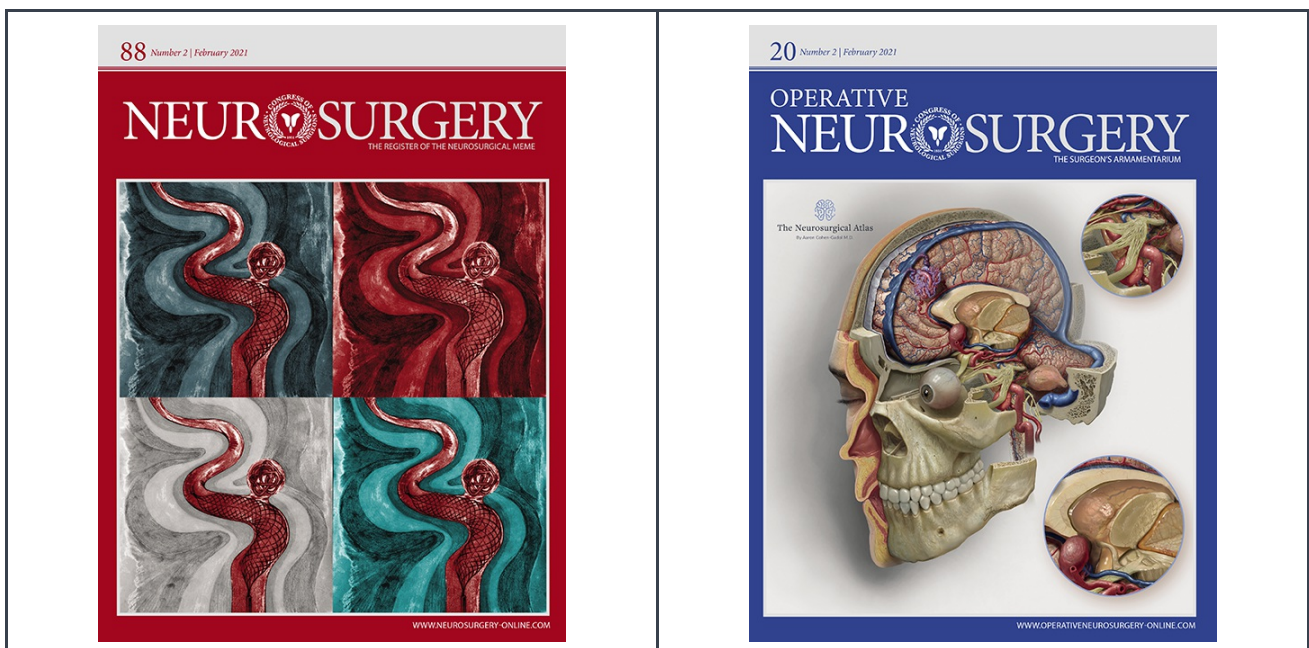




Trending Articles: February 2021

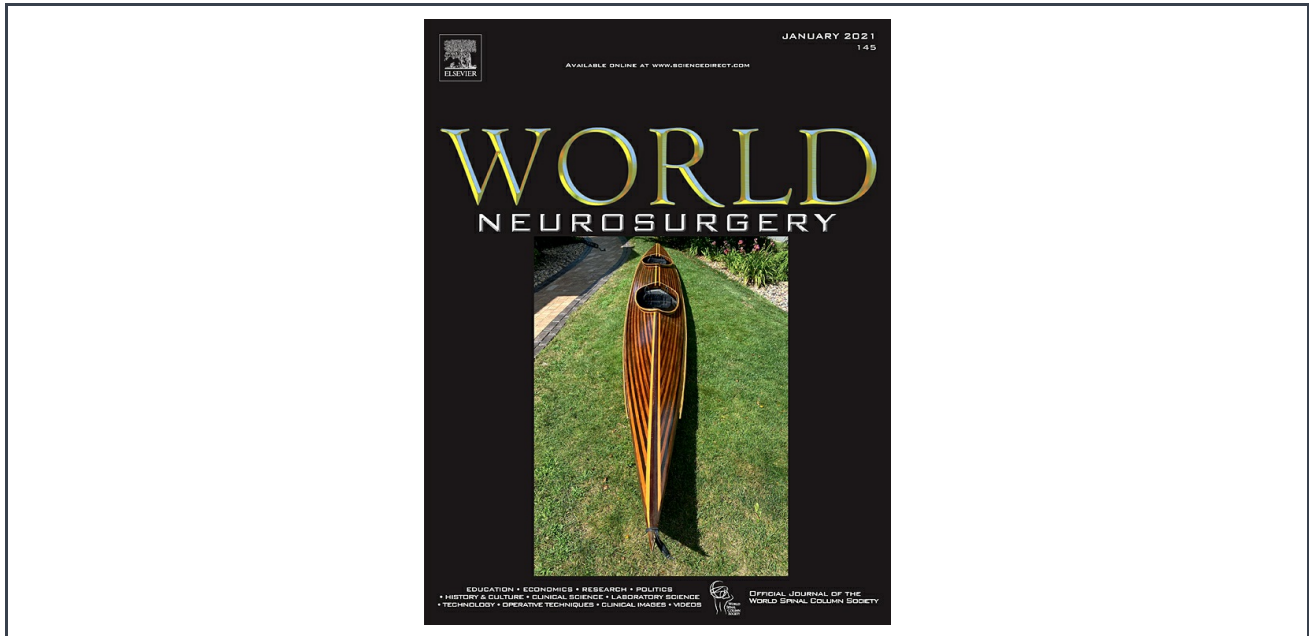
Last Updated: July 14, 2021

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. [Deciphering the frontostriatal circuitry through the fiber dissection technique: direct structural evidence on the morphology and axonal connectivity of the fronto-caudate tract](#)
2. [Effects of ventricular entry on patient outcome during glioblastoma resection](#)
3. [Basal ganglia cavernous malformations: case series and systematic review of surgical management and long-term outcomes](#)
4. [Stereotactic radiosurgery for treatment of radiation-induced meningiomas: a multiinstitutional study](#)
5. [MRI-guided stereotactic laser corpus callosotomy for epilepsy: distinct methods and outcomes](#)
6. [DBS targeting for essential tremor using intersectional dentato-rubro-thalamic tractography and direct proton density visualization of the VIM: technical note on 2 cases](#)

7. [An evaluation of the SAFIRE grading scale as a predictor of long-term outcomes for patients in the Barrow Ruptured Aneurysm Trial](#)
8. [Utility of image-guided external ventriculostomy: analysis of contemporary practice in the United Kingdom and Ireland](#)
9. [Intraoperative seizure outcome of levetiracetam combined with perampanel therapy in patients with glioma undergoing awake brain surgery](#)
10. [Resective temporal lobe surgery in refractory temporal lobe epilepsy: prognostic factors of postoperative seizure outcome](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Etiology of intracerebral hemorrhage in children: cohort study, systematic review, and meta-analysis](#)
2. [Mapping efficacious deep brain stimulation for pediatric dystonia](#)
3. [Retrospective analysis of open surgical versus laser interstitial thermal therapy callosotomy in pediatric patients with refractory epilepsy](#)
4. [The relationship between Chiari 1.5 malformation and sleep-related breathing disorders on polysomnography](#)
5. [Image quality of EOS low-dose radiography in comparison with conventional radiography for assessment of ventriculoperitoneal shunt integrity](#)
6. [Presurgical brain mapping of the language network in pediatric patients with epilepsy using resting-state fMRI](#)
7. [Acute surgical management of children with ruptured brain arteriovenous malformation](#)
8. [Standard work tools for dynamic stereoelectroencephalography using ROSA: naming convention and perioperative planning](#)
9. [Endoscope-assisted posterior quadrant disconnection plus corpus callosotomy: case report](#)

10. [Occipital artery to middle cerebral artery bypass in pediatric moyamoya disease: rescue therapy after failed revascularization](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Impact of intrawound vancomycin powder on prevention of surgical site infection after posterior spinal surgery](#)
2. [Outcomes of decompression without fusion in patients with lumbar spinal stenosis and substantial back pain](#)
3. [Cauda equina syndrome secondary to portal vein thrombosis: case report of favorable outcome with conservative treatment](#)
4. [Clinical and radiological results of indirect decompression after anterior lumbar interbody fusion in central spinal canal stenosis](#)
5. [Radiologic prognostic factors of curve progression in early degenerative lumbar scoliosis](#)
6. [Institutional review of the management of type II odontoid fractures: associations and outcomes with fibrous union](#)
7. [Association of intravenous administration of human Muse cells with deficit amelioration in a rat model of spinal cord injury](#)
8. [Microendoscopic decompression for lumbar spinal stenosis caused by facet-joint cysts: a novel technique with a cyst-dyeing protocol and cohort comparison study](#)
9. [Change in pelvic incidence between the supine and standing positions in patients with bilateral sacroiliac joint vacuum signs](#)
10. [Letter to the Editor. Suggested addition to the classification system for multirod constructs](#)

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Multi-Center Experience of 154 Consecutive](#)

Embolizations

3. Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition
4. Structural and Functional Imaging in Glioma Management
5. In Reply: Dismantling the Apocalypse Narrative: The Myth of the COVID-19 Stroke
6. Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary
7. Amygdala and Hypothalamus: Historical Overview With Focus on Aggression
8. A Review of Passive Brain Mapping Techniques in Neurological Surgery
9. Survival, Dependency, and Health-Related Quality of Life in Patients With Ruptured Intracranial Aneurysm: 10-Year Follow-up of the United Kingdom Cohort of the International Subarachnoid Aneurysm Trial
10. A Review of Cortical and Subcortical Stimulation Mapping for Language

OPERATIVE NEUROSURGERY

1. Risk of Brain Herniation After Craniotomy With Preoperative Lumbar Spinal Drainage: A Single-Surgeon Experience of 365 Patients Among 3000 Major Cranial Cases
2. Unexpected Decrease in Shunt Surgeries Performed during the Shelter-in-Place Period of the COVID-19 Pandemic
3. Essential Neurosurgery for Medical Students: Trauma
4. Ten-Step Minimally Invasive Spine Lumbar Decompression and Dural Repair Through Tubular Retractors
5. Essential Neurosurgery for Medical Students: The Neurological

Examination

6. [Essential Neurosurgery for Medical Students: Vascular](#)
7. [Essential Neurosurgery for Medical Students: Spine](#)
8. [Thrombolysis for Evacuation of Intracerebral and Intraventricular Hemorrhage: A Guide to Surgical Protocols With Practical Lessons Learned From the MISTIE and CLEAR Trials](#)
9. [A Case Series of Surgically Treated Spinal Dumbbell Tumors of Critical Parent Nerve Roots: To Cut or Not to Cut?](#)
10. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)

WORLD NEUROSURGERY Editor's Choice

1. [Risk Factors for Progression of Conservatively Managed Acute Traumatic Subdural Hematoma: A Systematic Review and Meta-Analysis](#)
2. [Single versus Double Burr Hole for Drainage of Chronic Subdural Hematoma: Randomized Controlled Study](#)
3. [The Impact of COVID-19 on Neurosurgical Services in Africa](#)
4. [Generational Changes in Lumbar Spinal Canal Dimensions: Findings from a Sample U.S. Population](#)
5. [Principles of Remediation for the Struggling Neurosurgery Resident](#)
6. [Risk Factors for Transverse Ligament Disruption and Vertebral Artery Injury Following an Atlas Fracture](#)