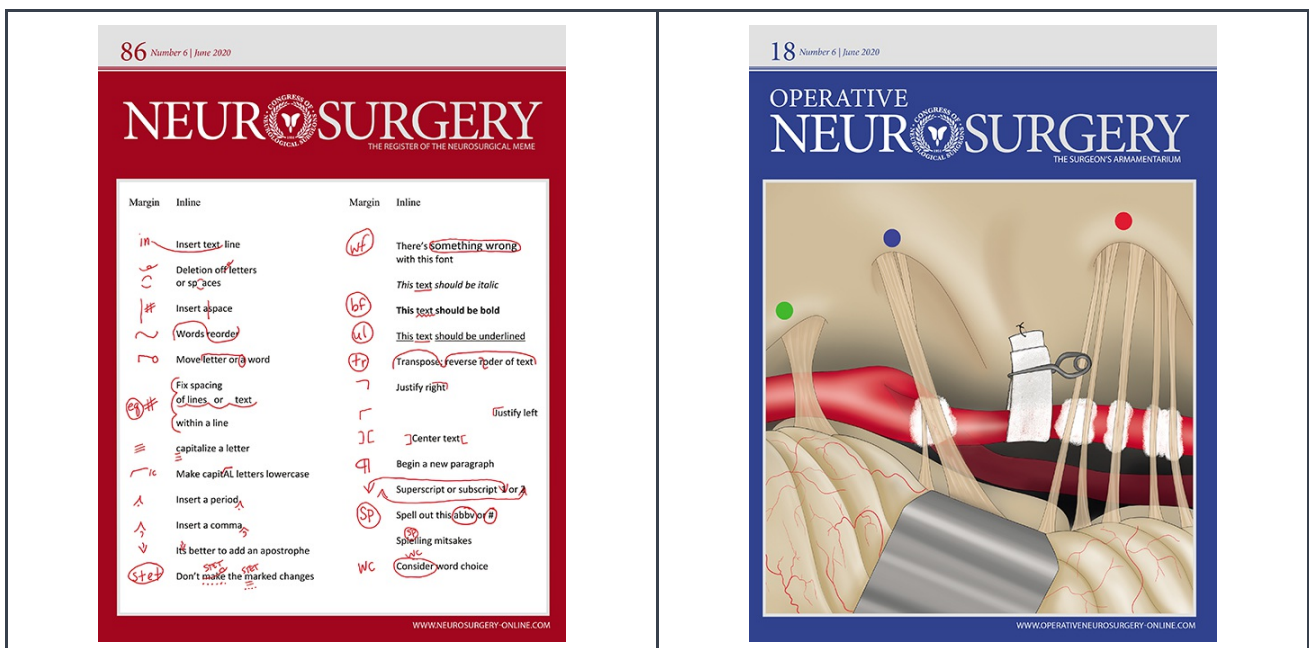




## Trending Articles: June 2020

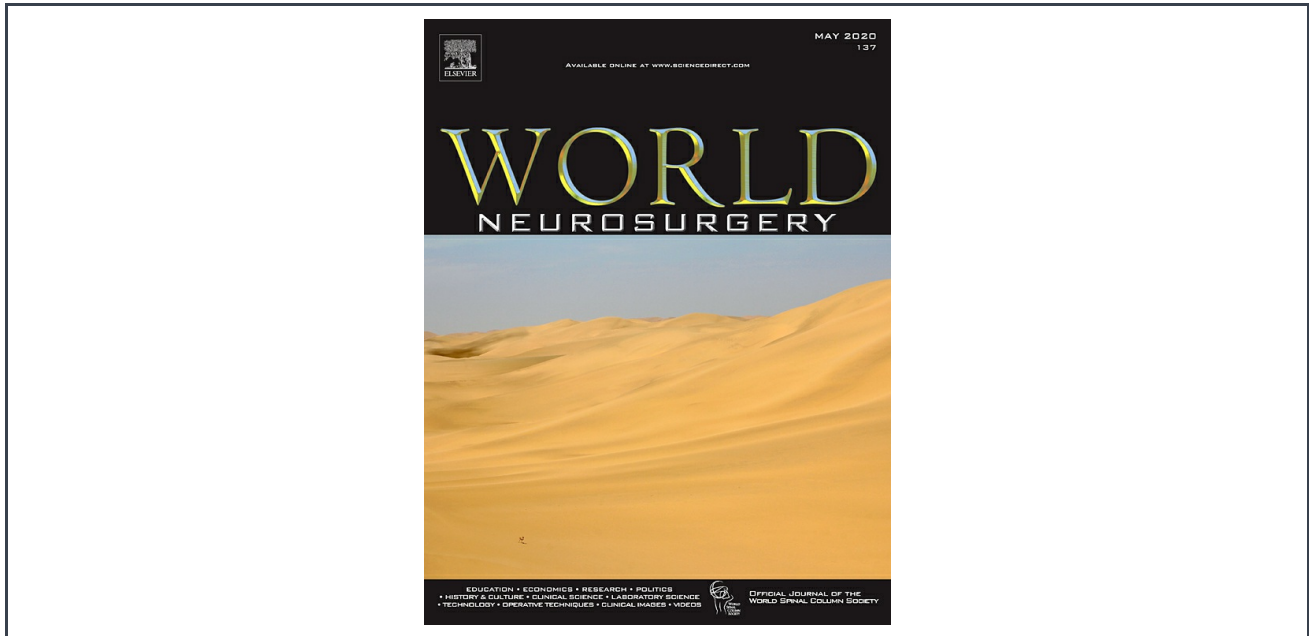
Last Updated: March 25, 2021

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. [A simple and cost-effective model for ventricular catheter placement training: technical note](#)
2. [Omega-3 fatty acid supplementation in severe brain trauma: case for a large multicenter trial](#)
3. [Temporopolar amygdalohippocampectomy: seizure control and postoperative outcomes](#)
4. [Correlation between localization of supratentorial glioma to the precentral gyrus and difficulty in identification of the motor area during awake craniotomy](#)
5. [Altered corticospinal microstructure and motor cortex excitability in gliomas: an advanced tractography and transcranial magnetic stimulation study](#)
6. [Thick and diffuse cisternal clot independently predicts vasospasm-related morbidity and poor outcome after aneurysmal subarachnoid hemorrhage](#)

7. [A matched-pair analysis of clinical outcomes after intracavitary cesium-131 brachytherapy versus stereotactic radiosurgery for resected brain metastases](#)
8. [Preoperative localization of seizure onset zones by magnetic source imaging, EEG-correlated functional MRI, and their combination](#)
9. [Critical role of platelet-derived growth factor- \$\alpha\$  in angiogenesis after indirect bypass in a murine moyamoya disease model](#)
10. [Invasive neuromonitoring with an extended definition of delayed cerebral ischemia is associated with improved outcome after poor-grade subarachnoid hemorrhage](#)

## JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Neuroendoscopic lavage for the management of posthemorrhagic hydrocephalus in preterm infants: safety, effectivity, and lessons learned](#)
2. [Deformational brachycephaly: the clinical utility of the cranial index](#)
3. [Assessing the predictive value of primary evaluation with the Immediate Post-Concussion Assessment and Cognitive Test following head injury](#)
4. [Resolution of neonatal posthemorrhagic ventricular dilation coincident with patent ductus arteriosus ligation: case report](#)
5. [Geniculate neuralgia in an adolescent treated via sectioning of the nervus intermedius and microvascular decompression](#)
6. [Long-term outcomes of pediatric arteriovenous malformations: the 30-year Pittsburgh experience](#)
7. [High-dose MTX110 \(soluble panobinostat\) safely administered into the fourth ventricle in a nonhuman primate model](#)
8. [Chiari type I malformation: role of the Chiari Severity Index and Chicago Chiari Outcome Scale](#)
9. [Letter to the Editor. The fallacy of sunk cost: decision-making after intrauterine myelomeningocele repair](#)

10. [Recurrence of cavernous malformations after surgery in childhood](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [The safety and efficacy of anterior versus posterior decompression surgery in degenerative cervical myelopathy: a prospective randomized trial](#)
2. [Improvement in cervical lordosis and sagittal alignment after vertebral body sliding osteotomy in patients with cervical spondylotic myelopathy and kyphosis](#)
3. [C2 medial pedicle screw: a novel “in-out-in” technique as an alternative option for posterior C2 fixation in cases with a narrow C2 isthmus](#)
4. [Incidental durotomy: predictive risk model and external validation of natural language process identification algorithm](#)
5. [Open versus minimally invasive decompression for low-grade spondylolisthesis: analysis from the Quality Outcomes Database](#)
6. [Effects of smoking on pedicle screw-based dynamic stabilization: radiological and clinical evaluations of screw loosening in 306 patients](#)
7. [The impact of platelet-rich plasma on postoperative outcomes after spinal fusion: a systematic review and meta-analysis](#)
8. [Biportal endoscopic discectomy for high-grade migrated lumbar disc herniation](#)
9. [Antibiotic-impregnated polymethylmethacrylate strut graft as a treatment of spinal osteomyelitis: case series and description of novel technique](#)
10. [Risk factors for progression of ossification of the posterior longitudinal ligament in asymptomatic subjects](#)

## **NEUROSURGERY**

1. [Letter: The Impact of the Coronavirus \(COVID-19\) Pandemic on](#)

## Neurosurgeons Worldwide

2. Neuroimaging of Intracerebral Hemorrhage
3. Letter: The Risk of COVID-19 Infection During Neurosurgical Procedures: A Review of Severe Acute Respiratory Distress Syndrome Coronavirus 2 (SARS-CoV-2) Modes of Transmission and Proposed Neurosurgery-Specific Measures for Mitigation
4. Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary
5. Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm
6. Letter: Precautions for Endoscopic Transnasal Skull Base Surgery During the COVID-19 Pandemic
7. Letter: Preliminary National Survey Results Evaluating the Impact of COVID-19 Pandemic on Medical Students Pursuing Careers in Neurosurgery
8. A COVID-19 Patient Who Underwent Endonasal Endoscopic Pituitary Adenoma Resection: A Case Report
9. Letter: Surgical Management of Brain Tumor Patients in the COVID-19 Era
10. Letter: Considerations for Performing Emergent Neurointerventional Procedures in a COVID-19 Environment

## **OPERATIVE NEUROSURGERY**

1. Essential Neurosurgery for Medical Students: Spine
2. Essential Neurosurgery for Medical Students: The Neurological Examination
3. Essential Neurosurgery for Medical Students: Trauma
4. Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute

## Neurosurgical Patient

5. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
6. [Essential Neurosurgery for Medical Students: Vascular](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [Essential Neurosurgery for Medical Students: Tumor](#)
9. [Essential Neurosurgery for Medical Students: Pediatrics](#)
10. [Essential Neurosurgery for Medical Students: Epilepsy, Functional Neurosurgery, and Pain](#)

## **WORLD NEUROSURGERY Editor's Choice**

1. [Systematic Review and Meta-Analysis of Management Strategies and Outcomes in Adult Spinal Neurocysticercosis](#)
2. [Challenges of Neurosurgery Education During the Coronavirus Disease 2019 \(COVID-19\) Pandemic: A U.S. Perspective](#)
3. [Neurosurgical Practice at the Time of COVID-19](#)
4. [Reevaluation of Ventriculopleural Shunting: Long-Term Efficacy and Complication Rates in the Modern Era](#)
5. [Trends in Endovascular Mechanical Thrombectomy in Treatment of Acute Ischemic Stroke in the United States](#)
6. [Laser Interstitial Thermal Therapy for Epileptogenic Periventricular Nodular Heterotopia](#)