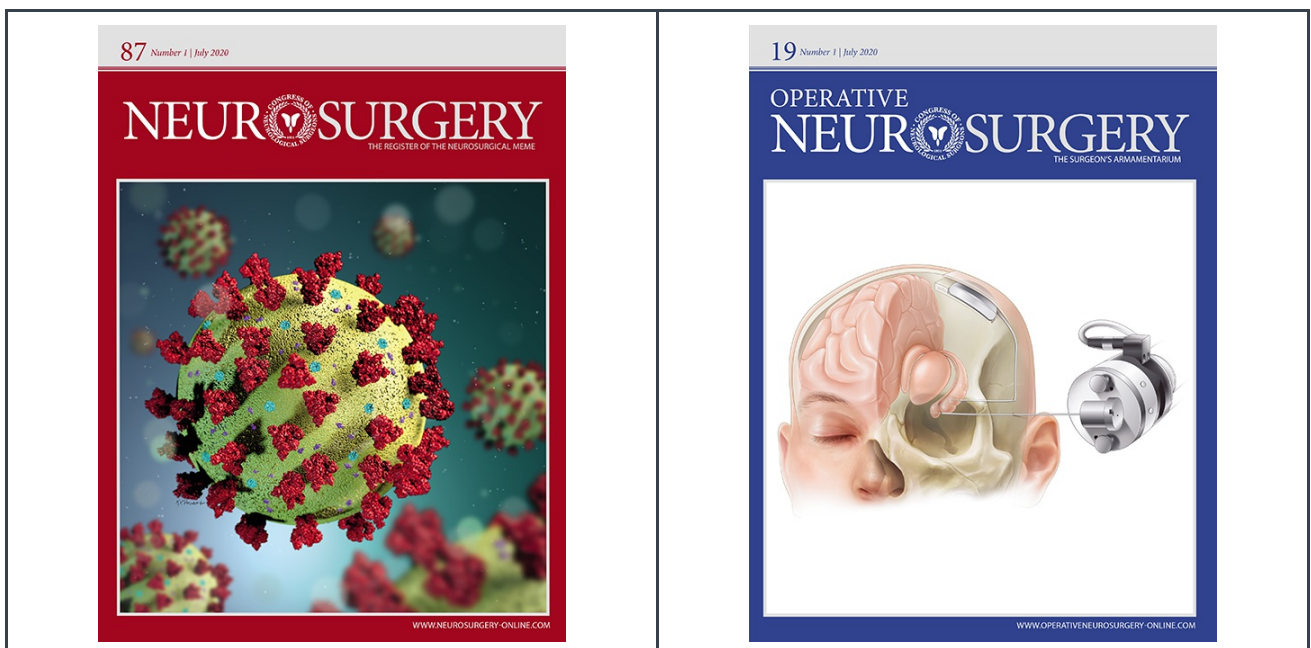
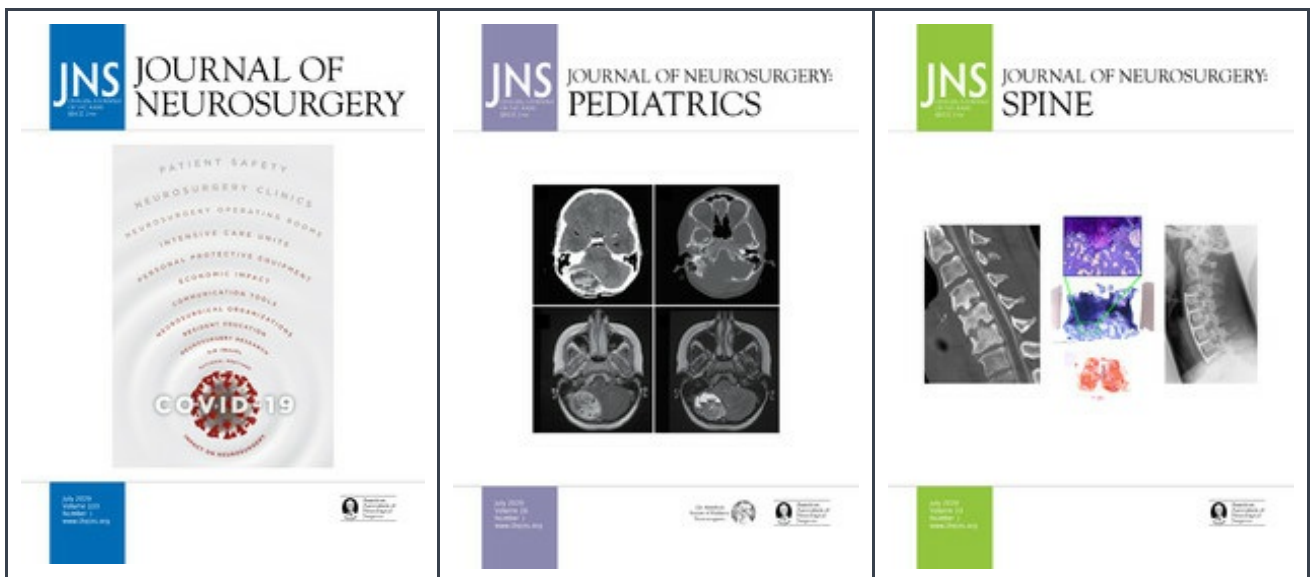




Trending Articles: July 2020

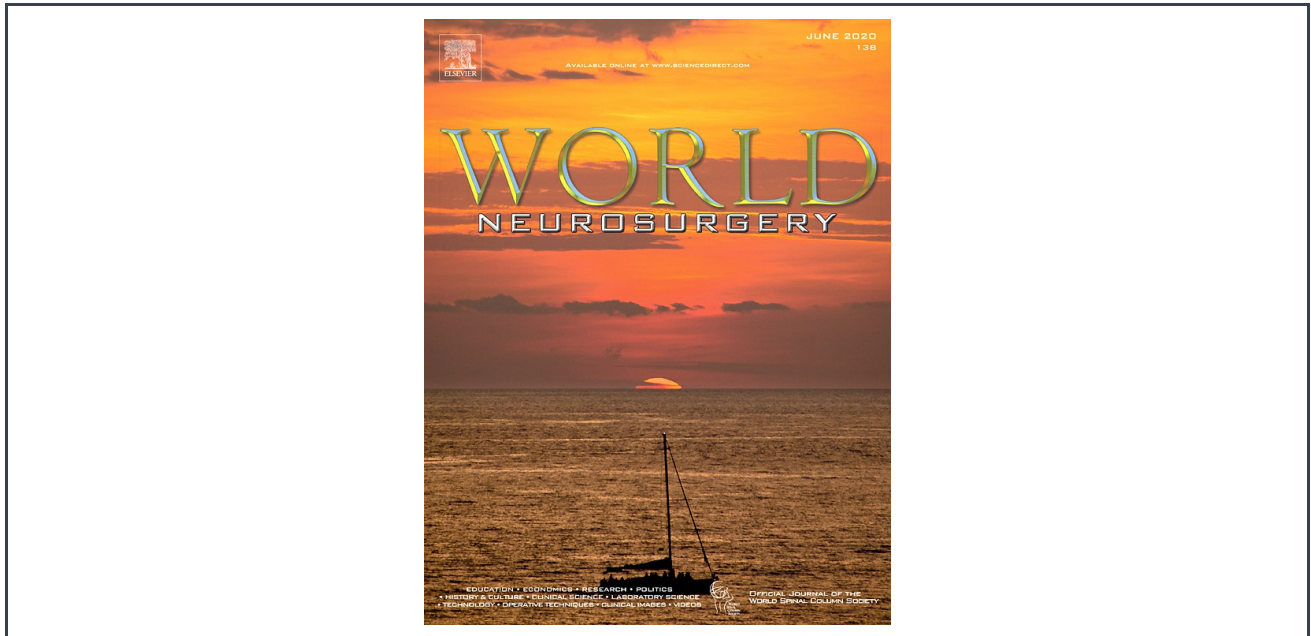
Last Updated: March 25, 2021

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. [Perceived impact of USMLE Step 1 pass/fail scoring change on neurosurgery: program director survey](#)
2. [An endovascular assisted, nonocclusive cerebral bypass: a technical feasibility study in a rabbit model](#)
3. [Contralateral interoptic approach to paraclinoid aneurysms: a patient-selection algorithm based on anatomical investigation and clinical validation](#)
4. [Seizure and neuropsychological outcomes in a large series of selective amygdalohippocampectomies with a minimally invasive subtemporal approach](#)
5. [Triple motor mapping: transcranial, bipolar, and monopolar mapping for supratentorial glioma resection adjacent to motor pathways](#)
6. [Difference in imaging biomarkers between transient and permanent neurological deficits after endovascular treatment of cerebrovascular aneurysms](#)

7. [The outcomes of conservatively observed asymptomatic nonfunctioning pituitary adenomas with optic nerve compression](#)
8. [Isolated severe blunt traumatic brain injury: effect of obesity on outcomes](#)
9. [Development and external validation of a clinical prediction model for functional impairment after intracranial tumor surgery](#)
10. [Preoperative factors associated with adverse events during awake craniotomy: analysis of 609 consecutive cases](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [James T. Goodrich, MD, PhD, 1946–2020: a historical perspective and his contributions to craniopagus separation](#)
2. [3D pediatric cranial bone imaging using high-resolution MRI for visualizing cranial sutures: a pilot study](#)
3. [In Memoriam: James Tait Goodrich](#)
4. [Safety of immediate use of nonsteroidal antiinflammatory drugs after pediatric craniotomy for tumor](#)
5. [Comparison of autograft versus allograft in the surgical repair of pediatric obstetrical brachial plexus injuries](#)
6. [Surgical resource utilization after initial treatment of infant hydrocephalus: comparing ETV, early experience of ETV with choroid plexus cauterization, and shunt insertion in the Hydrocephalus Clinical Research Network](#)
7. [Impact of multidisciplinary engagement in a quality improvement blood conservation protocol for craniosynostosis](#)
8. [Early obliteration of pediatric brain arteriovenous malformations after stereotactic radiosurgery: an international multicenter study](#)
9. [Multiple hippocampal transections for refractory pediatric mesial temporal lobe epilepsy: seizure and neuropsychological outcomes](#)
10. [Pediatric cranial deformations: demographic associations](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Complication profile associated with S1 pedicle subtraction osteotomy compared with 3-column osteotomies at other thoracolumbar levels for adult spinal deformity: series of 405 patients with 9 S1 osteotomies](#)
2. [Predicting tumor-specific survival in patients with spinal metastatic renal cell carcinoma: which scoring system is most accurate?](#)
3. [A comparison of the perioperative outcomes of anterior surgical techniques for the treatment of multilevel degenerative cervical myelopathy](#)
4. [Anterior lumbar compared to oblique lumbar interbody approaches for multilevel fusions to the sacrum in adults with spinal deformity and degeneration](#)
5. [Factors affecting approach selection for minimally invasive versus open surgery in the treatment of adult spinal deformity: analysis of a prospective, nonrandomized multicenter study](#)
6. [Lower Hounsfield units on CT are associated with cage subsidence after anterior cervical discectomy and fusion](#)
7. [Opioid use after adult spinal deformity surgery: patterns of cessation and associations with preoperative use](#)
8. [Prospective multicenter assessment of complication rates associated with adult cervical deformity surgery in 133 patients with minimum 1-year follow-up](#)
9. [A case of adult \$\alpha\$ -type spinal deformity with spinal cord rotation greater than 90°](#)
10. [Letter to the Editor. COVID-19 and chronic pain](#)

NEUROSURGERY

1. [Letter: Thrombotic Neurovascular Disease in COVID-19 Patients](#)
2. [Letter: COVID-19 Pandemic-The Bystander Effect on Stroke Care in](#)

Michigan

3. [Writing a Clinical Research Question](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [Cerebrovascular Imaging: Which Test is Best?](#)
6. [Letter: COVID-19 Pandemic: Safety Precautions for Stereotactic Radiosurgery](#)
7. [Letter: May Cooler Heads Prevail During a Pandemic: Stroke in COVID-19 Patients or COVID-19 in Stroke Patients?](#)
8. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
9. [Letter: Hemorrhagic Conditions Affecting the Central Nervous System in COVID-19 Patients](#)
10. [Postsurgical Electrical Stimulation Enhances Recovery Following Surgery for Severe Cubital Tunnel Syndrome: A Double-Blind Randomized Controlled Trial](#)

OPERATIVE NEUROSURGERY

1. [Ventilated Upper Airway Endoscopic Endonasal Procedure Mask: Surgical Safety in the COVID-19 Era](#)
2. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
3. [Essential Neurosurgery for Medical Students: Trauma](#)
4. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
5. [Essential Neurosurgery for Medical Students: Spine](#)
6. [Advances in Intraoperative Optics: A Brief Review of Current Exoscope Platforms](#)
7. [Essential Neurosurgery for Medical Students: Tumor](#)

8. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
9. [Essential Neurosurgery for Medical Students: Introduction: Vascular](#)
10. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)

WORLD NEUROSURGERY Editor's Choice

1. [Lessons Learned in Using Laser Interstitial Thermal Therapy for Treatment of Brain Tumors: A Case Series of 238 Patients from a Single Institution](#)
2. [Pharyngo-Esophageal Perforations After Anterior Cervical Spine Surgery: Management and Outcomes](#)
3. [Adjacent Segment Reoperation and Other Perioperative Outcomes in Patients Who Underwent Anterior Lumbar Interbody Fusions at One and Two Levels](#)
4. [Management of Aneurysmal Subarachnoid Hemorrhage: Variation in Clinical Practice and Unmet Need for Follow-up among Survivors—A Single-Center Perspective](#)
5. [Correlation Between the Oswestry Disability Index and the North American Spine Surgery Patient Satisfaction Index](#)
6. [Barriers to Management of Nontraumatic Neurosurgical Diseases at 2 Cameroonian Neurosurgical Centers: Cross-Sectional Study](#)