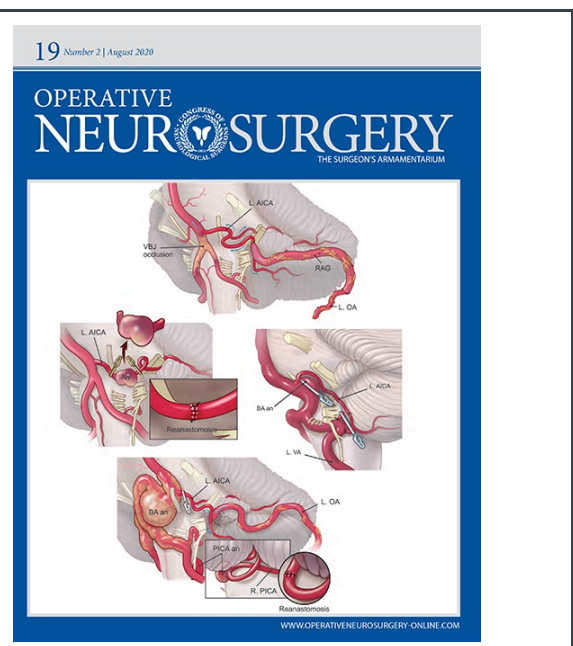
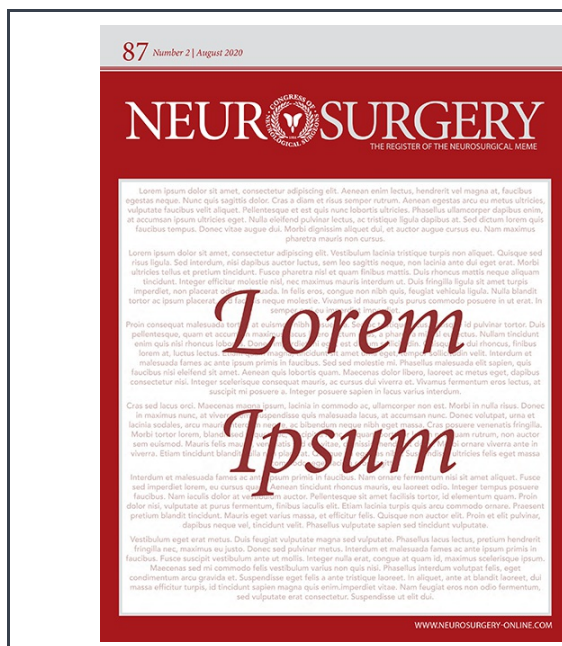




Trending Articles: August 2020

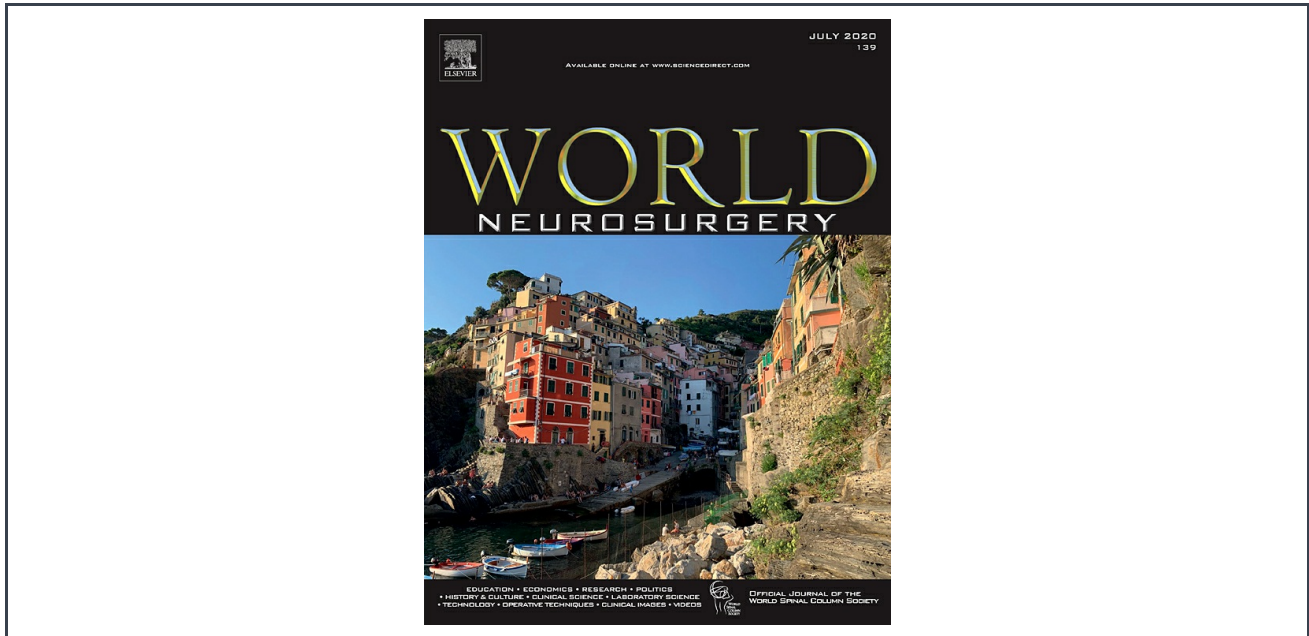
Last Updated: March 25, 2021

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. [The middle communicating artery: a novel fourth-generation bypass for revascularizing trapped middle cerebral artery bifurcation aneurysms in 2 cases](#)
2. [Risk of tumor recurrence in intracranial meningiomas: comparative analyses of the predictive value of the postoperative tumor volume and the Simpson classification](#)
3. [The endonasal patient reference tracker: a novel solution for accurate noninvasive electromagnetic neuronavigation](#)
4. [Cerebral venous thrombosis in traumatic brain injury: a cause of secondary insults and added mortality](#)
5. [Earlier radiosurgery leads to better pain relief and less medication usage for trigeminal neuralgia patients: an international multicenter study](#)
6. [National Institute of Neurological Disorders and Stroke: current funding status, opportunities, challenges, emerging scientific](#)

[advances, and recommendations for neurosurgery](#)

7. [Direct convective delivery of adeno-associated virus gene therapy for treatment of neurological disorders](#)
8. [Endoscopic endonasal approach for suprasellar meningiomas: introduction of a new scoring system to predict extent of resection and assist in case selection with long-term outcome data](#)
9. [Plasma extracellular vesicles as a source of biomarkers in traumatic brain injury](#)
10. [Discrepancy between MRA and DSA in identifying the shape of small intracranial aneurysms](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Head of bed elevation in pediatric patients with severe traumatic brain injury](#)
2. [Endoscopic aqueductal stenting in the management of pediatric hydrocephalus](#)
3. [Defining the role of the condylar-C2 sagittal vertical alignment in Chiari malformation type I](#)
4. [On the passing of our mentors: a tribute to Timothy George, MD, 1960-2019](#)
5. [The utility of brain biopsy in pediatric cryptogenic neurological disease](#)
6. [Navigation-guided neuroendoscopic removal of an intracranial migratory pellet from the thalamus of a 4-year-old girl](#)
7. [Posterior calvarial distraction for complex craniosynostosis and cerebellar tonsillar herniation](#)
8. [Reliability of the radiopharmaceutical shunt flow study for the detection of a CSF shunt malfunction in the presence of stable ventricular size](#)
9. [Epilepsy surgery for Rasmussen encephalitis: the UCLA experience](#)

10. [Ventriculoperitoneal shunt infection rates using a standard surgical technique, including topical and intraventricular vancomycin: the Children's Hospital Oakland experience](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Outcomes in single-level posterior cervical spine surgeries performed in the sitting and prone positions](#)
2. [Outcomes following discectomy for lumbar disc herniation in patients with substantial back pain](#)
3. [Single- versus dual-attending strategy for spinal deformity surgery: 2-year experience and systematic review of the literature](#)
4. [Flexible endoscope visualization to assist in the removal of a string of 10 schwannomas at the cauda equina: technical case report](#)
5. [Blood glutamate scavengers and exercises as an effective neuroprotective treatment in mice with spinal cord injury](#)
6. [Hypofractionated spinal stereotactic body radiation therapy for high-grade epidural disease](#)
7. [A high-definition 3D exoscope as an alternative to the operating microscope in spinal microsurgery](#)
8. [Editorial. Adult spinal deformity surgery: is there a need for a second attending?](#)
9. [Quantitative analysis of the correlation between preoperative cervical degeneration and postoperative heterotopic ossification after cervical disc replacement: minimum 10-year follow-up data](#)
10. [Effects of preoperative obesity and psychiatric comorbidities on minimum clinically important differences for lumbar fusion in grade 1 degenerative spondylolisthesis: analysis from the prospective Quality Outcomes Database registry](#)

NEUROSURGERY

1. [In Memoriam: A Memoir for Our Fallen "Heroes"](#)

2. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
3. [Cerebrovascular Imaging: Which Test is Best?](#)
4. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Role of Cranial Molding Orthosis \(Helmet\) Therapy for Patients With Positional Plagiocephaly](#)
5. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
6. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
7. [Imaging of Intracranial Pressure Disorders](#)
8. [Metastatic Spine Disease: Should Patients With Short Life Expectancy Be Denied Surgical Care? An International Retrospective Cohort Study](#)
9. [The Ruptured Arteriovenous Malformation Grading Scale \(RAGS\): An Extension of the Hunt and Hess Scale to Predict Clinical Outcome for Patients With Ruptured Brain Arteriovenous Malformations](#)
10. [The Role of Laser Interstitial Thermal Therapy in Surgical Neuro-Oncology: Series of 100 Consecutive Patients](#)

OPERATIVE NEUROSURGERY

1. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
2. [Essential Neurosurgery for Medical Students: Trauma](#)
3. [Essential Neurosurgery for Medical Students: Spine](#)
4. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
5. [Essential Neurosurgery for Medical Students: Neurosurgical](#)

Physiology and Neurocritical Management of the Acute Neurosurgical Patient

6. Essential Neurosurgery for Medical Students: Tumor
7. Essential Neurosurgery for Medical Students: Introduction: Vascular
8. Long-Term Outcomes of Endoscopic Third Ventricle Colloid Cyst Resection: Case Series With a Proposed Grading System
9. Advances in Intraoperative Optics: A Brief Review of Current Exoscope Platforms
10. Two Hundred Twenty-Six Consecutive Deep Brain Stimulation Electrodes Placed Using an "Asleep" Technique and the Neuro|Mate TM Robot for the Treatment of Movement Disorders

WORLD NEUROSURGERY Editor's Choice

1. Anatomic Study of the Bifurcation of the Obturator Nerve: Application to More Precise Surgical/Procedural Localization
2. Factors in Residency Decision Making for Female Neurosurgery Applicants
3. Early Report on the Impact of COVID-19 Outbreak in Neurosurgical Practice Among Members of the Latin American Federation of Neurosurgical Societies
4. Late Surgical Start Time and the Effect on Rates of Complications in a Neurosurgical Population: A Prospective Longitudinal Analysis
5. Surgical Outcomes with Midline versus Lateral Approaches for Cranial Base Chordomas: A Systematic Review and Meta-Analysis
6. Connections, Tracts, Fractals, and the Rest: A Working Guide to Network and Connectivity Studies in Neurosurgery