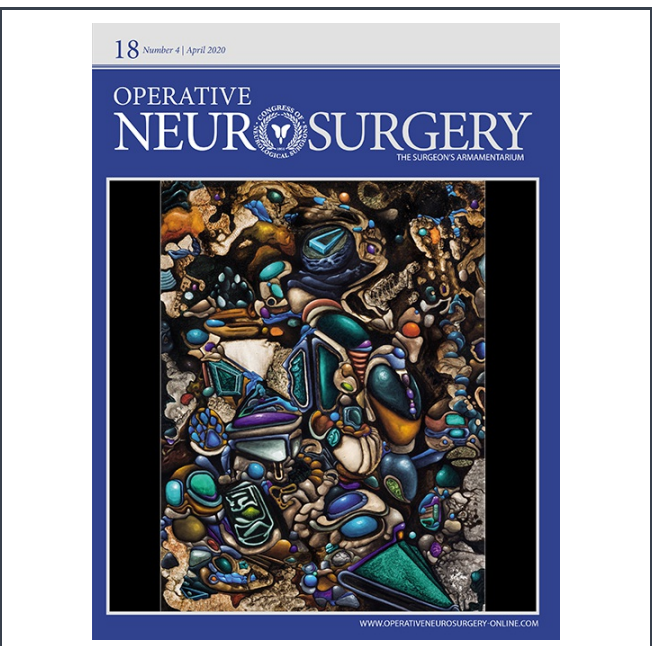
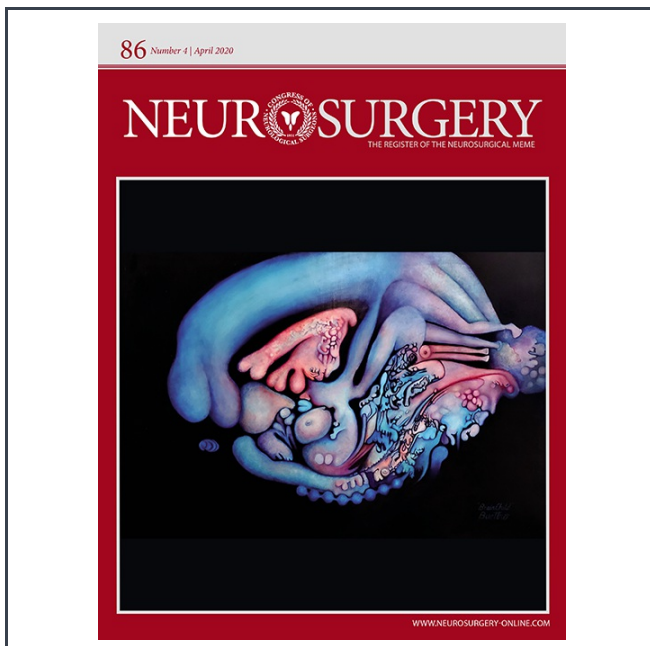




## Trending Articles: April 2020

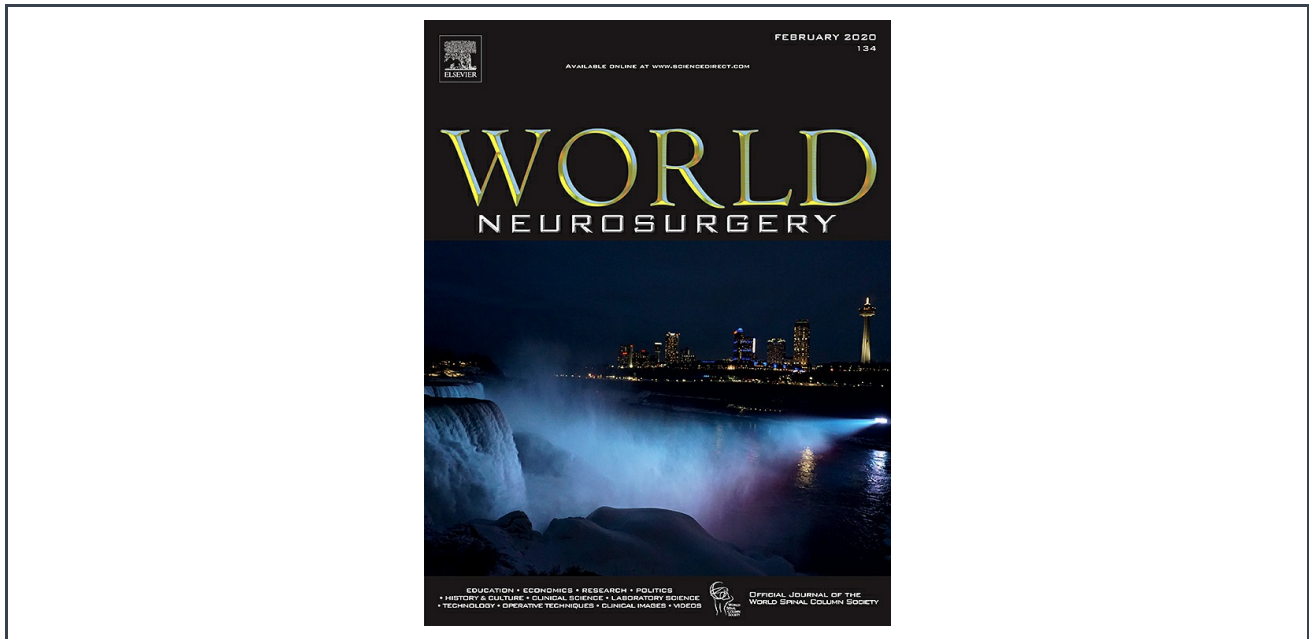
*Last Updated: March 25, 2021*

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. [Comparative anatomical analysis between the minipterional and supraorbital approaches](#)
2. [The endoscopic endonasal eustachian tube anterolateral mobilization strategy: minimizing the cost of the extreme-medial approach](#)
3. [Plasticity in language cortex and white matter tracts after resection of dominant inferior parietal lobule arteriovenous malformations: a combined fMRI and DTI study](#)
4. [Analysis of human emboli and thrombectomy forces in large-vessel occlusion stroke](#)
5. [Vertebral artery aneurysms and the risk of cord infarction following spinal artery coverage during flow diversion](#)
6. [The use of intraoperative neurosurgical ultrasound for surgical](#)

[navigation in low- and middle-income countries: the initial experience in Tanzania](#)

7. [Hyperostosing sphenoid wing meningiomas: surgical outcomes and strategy for bone resection and multidisciplinary orbital reconstruction](#)
8. [Decreased contrast enhancement on high-resolution vessel wall imaging of unruptured intracranial aneurysms in patients taking aspirin](#)
9. [Endoscopic versus nonendoscopic surgery for resection of pituitary adenomas: a national database study](#)
10. [Clinical outcomes of globus pallidus deep brain stimulation for Parkinson disease: a comparison of intraoperative MRI- and MER-guided lead placement](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Currarino syndrome presenting as a cerebrospinal fluid leak from the dermal sinus tract: case report](#)
2. [Pediatric neurosurgery training during residency in the United States: a program director survey](#)
3. [Occurrence of spinal extradural arachnoid cysts in a child with concomitant intracranial midline abnormalities: case report](#)
4. [The quality of YouTube videos on endoscopic third ventriculostomy and endoscopic third ventriculostomy with choroid plexus cauterization procedures available to families of patients with pediatric hydrocephalus](#)
5. [A long-term evaluation of a training program on breaking bad news in pediatric neurosurgery: a pilot study](#)
6. [Prenatal counseling for myelomeningocele in the era of fetal surgery: a shared decision-making approach](#)
7. [Resting-state functional MRI connectivity impact on epilepsy surgery plan and surgical candidacy: prospective clinical work](#)

8. [Factors associated with syrinx size in pediatric patients treated for Chiari malformation type I and syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium](#)
9. [Delayed death after hyena bite in a 3-year-old Tanzanian boy: the unique reality of neurosurgery in a resource-limited setting](#)
10. [Pigmented epithelioid melanocytoma: a rare lytic bone lesion involving intradural extension and subtotal resection in a 14-month-old girl](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Combination of sacral-alar-iliac screw and cortical bone trajectory screw techniques for lumbosacral fixation: technical note](#)
2. [Indirect decompression with lateral interbody fusion for severe degenerative lumbar spinal stenosis: minimum 1-year MRI follow-up](#)
3. [Complex wound closure by plastic surgery following resection of spinal neoplasms minimizes postoperative wound complications in high-risk patients](#)
4. [Initial blood pressure is important for long-term outcome after traumatic spinal cord injury](#)
5. [Anterior selective stabilization combined with laminoplasty for cervical myelopathy due to massive ossification of the posterior longitudinal ligament: report of early outcomes in 14 patients](#)
6. [Diagnostic accuracy of CT scan-based criteria compared with surgical exploration for the analysis of cervical fusion and nonunion](#)
7. [Impact of endplate-implant area mismatch on rates and grades of subsidence following stand-alone lateral lumbar interbody fusion: an analysis of 623 levels](#)
8. [The efficacy of somatosensory evoked potentials in evaluating new neurological deficits after spinal thoracic fusion and decompression](#)
9. [Generating alpha: can we prevent a back pain bubble?](#)
10. [Intraoperative inadvertent piercing of the aortic arch: case report](#)

## NEUROSURGERY

1. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
2. [Cerebrovascular Imaging: Which Test is Best?](#)
3. [Head and Neck: Skull Base Imaging](#)
4. [Prevention of Surgical Site Infection in Spine Surgery](#)
5. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
6. [Occlusion Rate and Visual Complications With Flow-Diverter Stent Placed Across the Ophthalmic Artery's Origin for Carotid-Ophthalmic Aneurysms: A Meta-Analysis](#)
7. [Overview of Mechanical Thrombectomy Techniques](#)
8. [The Hydrogel Endovascular Aneurysm Treatment Trial \(HEAT\): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil](#)
9. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
10. [Imaging of Intracranial Pressure Disorders](#)

## OPERATIVE NEUROSURGERY

1. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
2. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
3. [Essential Neurosurgery for Medical Students: Vascular](#)
4. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)

5. [Essential Neurosurgery for Medical Students: Spine](#)
6. [Essential Neurosurgery for Medical Students: Tumor](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [A Novel Technical Refinement of Microvascular Decompression: Pain Relief and Complication Rate in a Consecutive Series of Patients With Trigeminal Neuralgia](#)
9. [Orbitozygomatic Approach Clipping of an Anterior Communicating Artery Aneurysm: 2-Dimensional Operative Video](#)
10. [Essential Neurosurgery for Medical Students: Pediatrics](#)

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

1. [Objective Indirect Assessment of Transverse Ligament Competence Using Quantitative Analysis of 3-Dimensional Segmented Flexion-Extension Computed Tomography Scan](#)
2. [Utility of Preoperative Laboratory Testing in Assessing Risk of Adverse Outcomes After Anterior Cervical Discectomy and Fusion: Insights from National Surgical Registry](#)
3. [Insulin in the Management of Acute Ischemic Stroke: A Systematic Review and Meta-Analysis](#)
4. [Health-Related Quality of Life After Microscopic Total Removal of Spinal Intramedullary Ependymomas in a Single-Institute 3-Year Prospective Study](#)
5. [Radical Laser Interstitial Thermal Therapy Ablation Volumes Increase Progression-Free Survival in Biopsy-Proven Radiation Necrosis](#)
6. [Posttraumatic Hydrocephalus in Pediatric Patients After Decompressive Craniectomy](#)