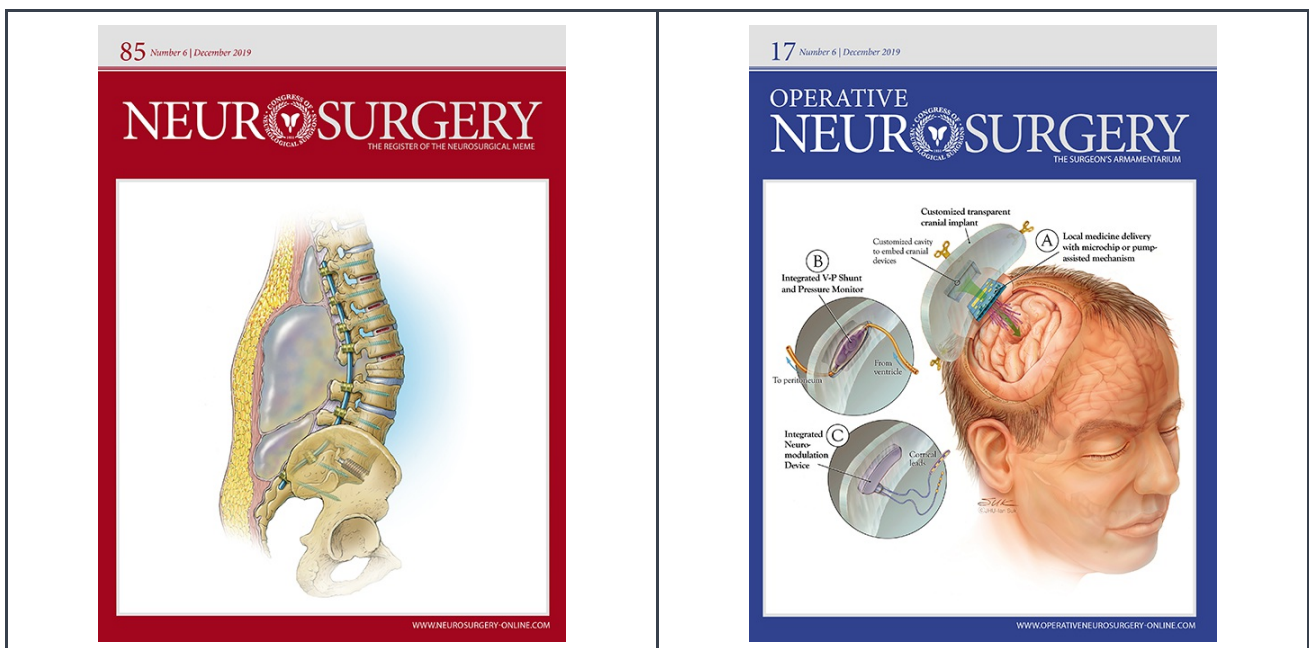




## Trending Articles: December 2019

*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.



## JOURNAL OF NEUROSURGERY

1. [The neurosurgery applicant's "arms race": analysis of medical student publication in the Neurosurgery Residency Match](#)
2. [Endoscopic transorbital approach to the infratemporal fossa and parapharyngeal space: a cadaveric study](#)
3. [The side door and front door to the upper retroclival region: a comparative analysis of the open pretemporal and the endoscopic endonasal transcavernous approaches](#)
4. [Gender disparities in academic rank achievement in neurosurgery: a critical assessment](#)
5. [Multimodal cerebral arteriovenous malformation treatment: a 12-year experience and comparison of key outcomes to ARUBA](#)
6. [Early postmarket results with PulseRider for treatment of wide-necked intracranial aneurysms: a multicenter experience](#)
7. [Spatial convergence of distant cortical regions during folding explains why arteries do not cross the sylvian fissure](#)
8. [Histology of the vertebral artery–dural junction: relevance to posterolateral approaches to the skull base](#)
9. [Dual BRAF/MEK therapy in BRAF V600E-mutated primary brain tumors: a case series showing dramatic clinical and radiographic responses and a reduction in cutaneous toxicity](#)
10. [Contemporary trends in extracranial-intracranial bypass utilization: analysis of data from 2008 to 2016](#)

## JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Cortical stimulation mapping for localization of visual and auditory language in pediatric epilepsy patients](#)
2. [Management of an odontoid synchondrosis fracture causing chronic translational anterior atlanto-axial subluxation in a child with autism: case report](#)

3. [Enhancing outcomes of endoscopic vertical approach hemispherotomy: understanding the role of “temporal stem” residual connections causing recurrence of seizures](#)
4. [Thirty-day readmission risk after intracranial tumor resection surgeries in children](#)
5. [Clinical characteristics, treatment, and survival outcome in pediatric patients with atypical teratoid/rhabdoid tumors: a retrospective study by the Japan Children’s Cancer Group](#)
6. [Predictors of surgical treatment in children with tethered fibrofatty filum terminale](#)
7. [High prevalence of systemic hypertension in pediatric patients with moyamoya disease years after surgical treatment](#)
8. [The role of screening spinal MRI in children with solitary posterior fossa low-grade glial tumors](#)
9. [Parental involvement in decision making about intracranial pressure monitor placement in children with traumatic brain injury](#)
10. [Pediatric intracranial arteriovenous malformations: a single-center experience](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Topping-off technique for stabilization of lumbar degenerative instabilities in 322 patients](#)
2. [Predicting the combined occurrence of poor clinical and radiographic outcomes following cervical deformity corrective surgery](#)
3. [Oncologic benefits of dural resection in spinal meningiomas: a meta-analysis of Simpson grades and recurrence rates](#)
4. [Risk factors for deep surgical site infection following thoracolumbar spinal surgery](#)
5. [Radiological and clinical outcomes of 3-level cervical disc arthroplasty](#)

6. [Spontaneous spinal CSF–venous fistulas associated with venous/venolymphatic vascular malformations: report of 3 cases](#)
7. [Treatment approaches for Scheuermann kyphosis: a systematic review of historic and current management](#)
8. [Preoperative coil localization for spinal surgery: technical note](#)
9. [Instrumented surgical treatment for metastatic spinal tumors: is fusion necessary?](#)
10. [The morphology of cervical deformities: a two-step cluster analysis to identify cervical deformity patterns](#)

## NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
2. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
3. [Imaging of Intracranial Pressure Disorders](#)
4. [Metastatic Spine Disease: Should Patients With Short Life Expectancy Be Denied Surgical Care? An International Retrospective Cohort Study](#)
5. [Cerebrovascular Imaging: Which Test is Best?](#)
6. [Letter: Air Travel After Brain Surgery—Does It Really Matter When to Fly?](#)
7. [Subperiosteal vs Subdural Drain After Burr-Hole Drainage of Chronic Subdural Hematoma: A Randomized Clinical Trial \(cSDH-Drain-Trial\)](#)
8. [Head and Neck: Skull Base Imaging](#)
9. [Traumatic Spinal Cord Injury—Repair and Regeneration](#)
10. [Lumbar Arthroplasty: Past, Present, and Future](#)

# OPERATIVE NEUROSURGERY

1. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
2. [Essential Neurosurgery for Medical Students: Spine](#)
3. [Essential Neurosurgery for Medical Students: Trauma](#)
4. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
5. [Essential Neurosurgery for Medical Students: Tumor](#)
6. [Essential Neurosurgery for Medical Students: Vascular](#)
7. [Implantation of a Thoracic Spinal Cord Stimulator Paddle Electrode and Generator Under General Anesthesia With Intraoperative Neuromonitoring: 2-Dimensional Operative Video](#)
8. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
9. [First-in-Human Experience With Integration of a Hydrocephalus Shunt Device Within a Customized Cranial Implant](#)
10. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)