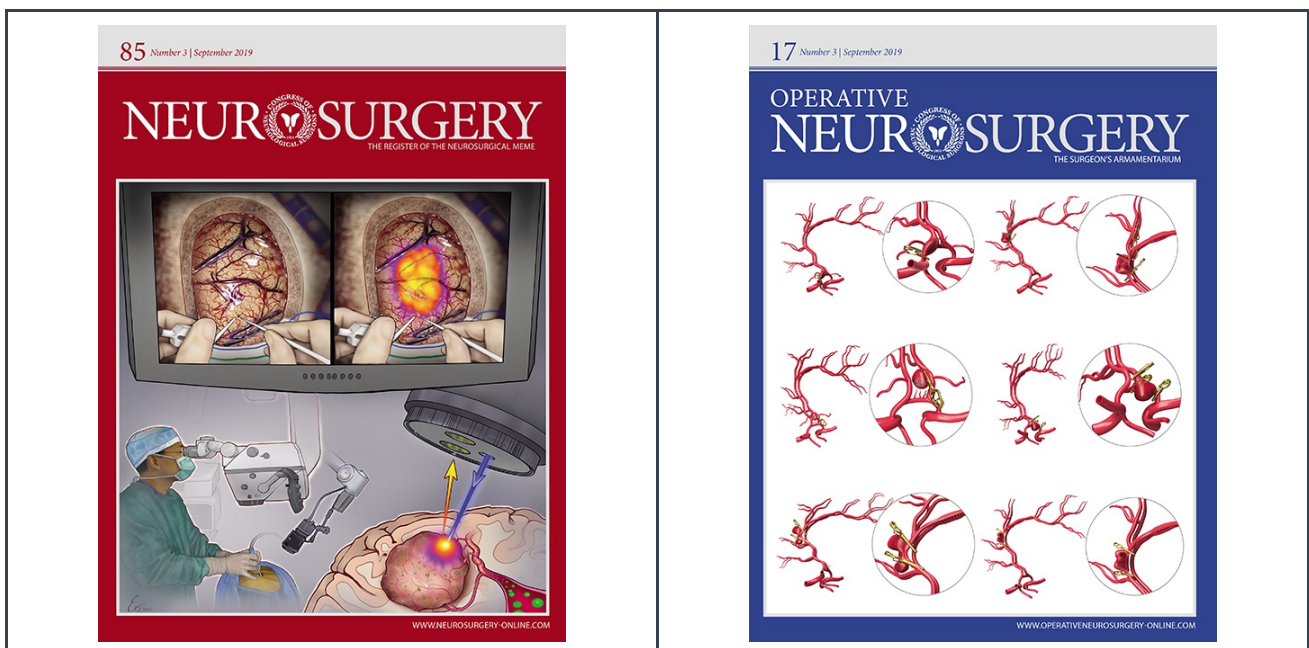




Trending Articles: September 2019

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. [Molecular and cellular intratumoral heterogeneity in primary glioblastoma: clinical and translational implications](#)
2. [Improving medical student recruitment to neurosurgery](#)
3. [Neural and vascular architecture of the septum pellucidum: an anatomical study and considerations for safe endoscopic septum pellucidotomy](#)
4. [Quantitative analysis of ipsilateral and contralateral supracerebellar infratentorial and occipital transtentorial approaches to the cisternal pulvinar](#)
5. [Outcome evaluation of patients treated with fractionated Gamma Knife radiosurgery for large \(> 3 cm\) brain metastases](#)
6. [Surgical treatment of falcotentorial meningiomas: a retrospective review of a single-institution experience](#)
7. [Resection of tumors within the primary motor cortex using high-frequency stimulation: oncological and functional efficiency of this versatile approach based on clinical conditions](#)
8. [Use of a near-infrared vein finder to define cortical veins and dural sinuses prior to dural opening](#)
9. [Volumetric growth rates of untreated vestibular schwannomas](#)
10. [Sphenoorbital meningioma: a unique skull base tumor. Surgical technique and results](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Fully automated, real-time, calibration-free, continuous noninvasive estimation of intracranial pressure in children](#)
2. [Mechanical thrombectomy in pediatric stroke: systematic review, individual patient data meta-analysis, and case series](#)
3. [Radiological and clinical predictors of scoliosis in patients with Chiari malformation type I and spinal cord syrinx from the Park-Reeves](#)

Syringomyelia Research Consortium

4. [A national analysis of 9655 pediatric cerebrovascular malformations: effect of hospital volume on outcomes](#)
5. [Development and evaluation of a new pediatric mixed-reality model for neurosurgical training](#)
6. [Management of NF2-associated vestibular schwannomas in children and young adults: influence of surgery and clinical factors on tumor volume and growth rate](#)
7. [Impact of patient and hospital-level risk factors on extended length of stay following spinal fusion for adolescent idiopathic scoliosis](#)
8. [Stereotactic laser ablation for completion corpus callosotomy](#)
9. [Perioperative acute neurological deficits in instrumented pediatric cervical spine fusions](#)
10. [Endovascular stenting for rescue of a failed donor graft during superficial temporal artery to middle cerebral artery bypass surgery](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Heterotopic ossification and radiographic adjacent-segment disease after cervical disc arthroplasty](#)
2. [Minimally invasive resection of spinal hemangioblastoma: feasibility and clinical results in a series of 18 patients](#)
3. [Relationship between body mass index and sagittal vertical axis change as well as health-related quality of life in 564 patients after deformity surgery](#)
4. [Less invasive spinal deformity surgery: the impact of the learning curve at tertiary spine care centers](#)
5. [Diagnosis, treatment, and survival in spinal dissemination of primary intracranial glioblastoma: systematic literature review](#)
6. [Intraoperative Doppler ultrasound as a means of preventing vertebral artery injury during Goel and Harms C1–C2 posterior](#)

[arthrodesis](#)

7. [Proximal fusion constructs in minimally invasive scoliosis surgery are successful without interbody or intertransverse fusion](#)
8. [Total uncinectomy of the cervical spine with an osteotome](#)
9. [Correlation between the Oswestry Disability Index and the 4-item short forms for physical function and pain interference from PROMIS](#)
10. [Intradural cauda equina Candida abscess presenting with hydrocephalus](#)

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
2. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Pediatric Myelomeningocele: Executive Summary](#)
3. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
4. [Concussion Guidelines Step 2: Evidence for Subtype Classification](#)
5. [Symptomatic Adjacent Level Disease Requiring Surgery: Analysis of 10-Year Results From a Prospective, Randomized, Clinical Trial Comparing Cervical Disc Arthroplasty to Anterior Cervical Fusion](#)
6. [Letter: Air Travel After Brain Surgery—Does It Really Matter When to Fly?](#)
7. [Head and Neck: Skull Base Imaging](#)
8. [Prevention of Surgical Site Infection in Spine Surgery](#)
9. [Imaging of Intracranial Pressure Disorders](#)
10. [Cerebrovascular Imaging: Which Test is Best?](#)

OPERATIVE NEUROSURGERY

1. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
2. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
3. [Essential Neurosurgery for Medical Students: Spine](#)
4. [Essential Neurosurgery for Medical Students: Trauma](#)
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: Peripheral Nerve](#)
8. [Essential Neurosurgery for Medical Students: Epilepsy, Functional Neurosurgery, and Pain](#)
9. [Essential Neurosurgery for Medical Students: Pediatrics](#)
10. [Implantation of a Thoracic Spinal Cord Stimulator Paddle Electrode and Generator Under General Anesthesia With Intraoperative Neuromonitoring: 2-Dimensional Operative Video](#)