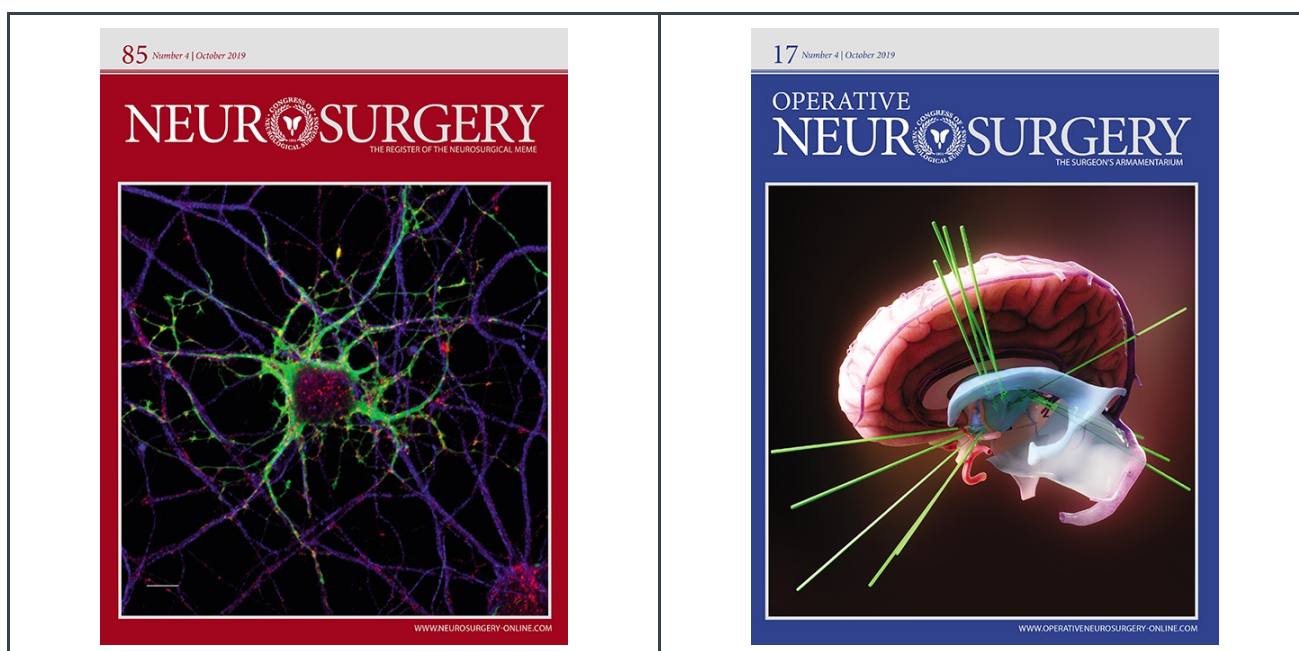




Trending Articles: October 2019

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. [Subdural versus subgaleal drainage for chronic subdural hematomas: a post hoc analysis of the TOSCAN trial](#)
2. [The effect of supplementation of vitamin D in neurocritical care patients: Randomized Clinical Trial of hypovitaminosis D \(RECTIFY\)](#)
3. [Operculoinsular cortectomy for refractory epilepsy. Part 1: Is it effective?](#)
4. [Phase I trial of caudate deep brain stimulation for treatment-resistant tinnitus](#)
5. [From bench to bedside: trends in National Institutes of Health funding for neurosurgeons from 1991 to 2015](#)
6. [Clip-first policy versus coil-first policy for the exclusion of middle cerebral artery aneurysms](#)
7. [Impact of perioperative aneurysm rebleeding after subarachnoid hemorrhage](#)
8. [First application of 7-T ultra-high field diffusion tensor imaging to detect altered microstructure of thalamic-somatosensory anatomy in trigeminal neuralgia](#)
9. [Increased sensitivity to traumatic axonal injury on postconcussion diffusion tensor imaging scans in National Football League players by using premorbid baseline scans](#)
10. [Comparison of stent-assisted and no-stent coil embolization for safety and effectiveness in the treatment of ruptured intracranial aneurysms](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Liquid biopsy for diffuse intrinsic pontine glioma](#)
2. [Pediatric nonoperative skull fractures: delayed complications and factors associated with clinic and imaging utilization](#)
3. [Developing a 3D composite training model for cranial remodeling](#)

4. [Surgical outcomes for pediatric moyamoya: a systematic review and meta-analysis](#)
5. [Outcomes of hydrocephalus secondary to congenital toxoplasmosis](#)
6. [Pediatric firearm-related traumatic brain injury in United States trauma centers](#)
7. [A 12-year single-center retrospective analysis of antisiphon devices to prevent proximal ventricular shunt obstruction for hydrocephalus](#)
8. [Care management and contemporary challenges in spina bifida: a practice preference survey of the American Society of Pediatric Neurosurgeons](#)
9. [Long-term outcomes of lumbar microdiscectomy in the pediatric population: a large single-institution case series](#)
10. [Complete recovery following transorbital penetrating head injury traversing the brainstem: case report](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Double-blind randomized clinical trial of vancomycin in spinal arthrodesis: no effects on surgical site infection](#)
2. [Cost-effectiveness of minimally invasive midline lumbar interbody fusion versus traditional open transforaminal lumbar interbody fusion](#)
3. [Outcomes of endoscopic discectomy compared with open microdiscectomy and tubular microdiscectomy for lumbar disc herniations](#)
4. [The farmer and the hunter: a longitudinal philosophy of spine surgery](#)
5. [Perioperative complications with multilevel anterior and posterior cervical decompression and fusion](#)
6. [Reliability of the 6-minute walking test smartphone application](#)
7. [Stem cell injections for axial back pain: a systematic review of](#)

[associated risks and complications with a case illustration of diffuse hyperplastic gliosis resulting in cauda equina syndrome](#)

8. [Relationship among anesthesia technique, surgical stress, and cognitive dysfunction following spinal surgery](#)
9. [Lateral decubitus digital subtraction myelography to identify spinal CSF–venous fistulas in spontaneous intracranial hypotension](#)
10. [Predictors of patient satisfaction following 1- or 2-level anterior cervical discectomy and fusion: insights from the Quality Outcomes Database](#)

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. [Concussion Guidelines Step 2: Evidence for Subtype Classification](#)
4. [Letter: Air Travel After Brain Surgery—Does It Really Matter When to Fly?](#)
5. [Cerebrovascular Imaging: Which Test is Best?](#)
6. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Pediatric Myelomeningocele: Executive Summary](#)
7. [Head and Neck: Skull Base Imaging](#)
8. [Imaging of Intracranial Pressure Disorders](#)
9. [Prevention of Surgical Site Infection in Spine Surgery](#)
10. [Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord](#)

OPERATIVE NEUROSURGERY

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