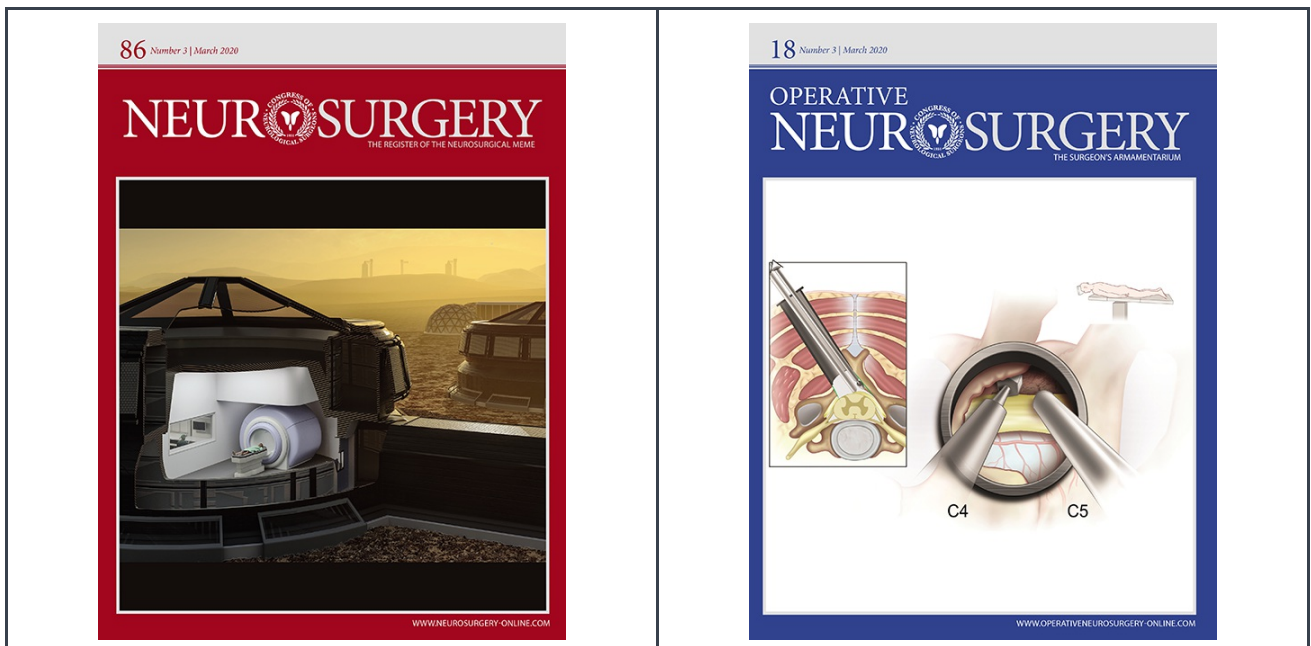




## Trending Articles: March 2020

*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.



## JOURNAL OF NEUROSURGERY

1. [Treatment of chronic subdural hematoma with atorvastatin combined with low-dose dexamethasone: phase II randomized proof-of-concept clinical trial](#)
2. [One hundred years of neurosurgery: contributions of American women](#)
3. [How long is the tail end of the learning curve? Results from 1000 consecutive endoscopic endonasal skull base cases following the initial 200 cases](#)
4. [Intraoperative MRI versus 5-ALA in high-grade glioma resection: a network meta-analysis](#)
5. [Long-term outcomes after endoscopic endonasal surgery for nonfunctioning pituitary macroadenomas](#)
6. [Assessment of the NIH-supported relative citation ratio as a measure of research productivity among 1687 academic neurological surgeons](#)
7. [Targeting glioma-initiating cells via the tyrosine metabolic pathway](#)
8. [Optical coherence tomography imaging after endovascular thrombectomy: a novel method for evaluating vascular injury in a swine model](#)
9. [MR-guided focused ultrasound cerebellothalamic tractotomy for chronic therapy-resistant essential tremor: anatomical target reappraisal and clinical results](#)
10. [Volumes, outcomes, and complications after surgical versus endovascular treatment of aneurysms in the United States \(1993–2015\): continued evolution versus steady-state after more than 2 decades of practice](#)

## JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Selective dorsal rhizotomy: an illustrated review of operative techniques](#)

2. [Stereotactic radiosurgery for pediatric brain arteriovenous malformations: long-term outcomes](#)
3. [Functional outcomes at 2 years of age following treatment for posthemorrhagic hydrocephalus of prematurity: what do we know at the time of consult?](#)
4. [Neonatal hydrocephalus leads to white matter neuroinflammation and injury in the corpus callosum of Ccdc39 hydrocephalic mice](#)
5. [Fusion patterns of major calvarial sutures on volume-rendered CT reconstructions](#)
6. [First case series of the transradial approach for neurointerventional procedures in pediatric patients](#)
7. [Health care transition in pediatric neurosurgery: a consensus statement from the American Society of Pediatric Neurosurgeons](#)
8. [Positional posterior plagiocephaly: a single-center review](#)
9. [Use of recombinant human bone morphogenetic protein for revision cervical spine fusion in children with Down syndrome: a case series](#)
10. [CSF goes astray no matter what is in the way: occipital intradiploic pseudomeningocele and de novo syringomyelia following foramen magnum decompression for Chiari I malformation in a pediatric patient](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [What is the incidence of cauda equina syndrome? A systematic review](#)
2. [Surgeon and staff radiation exposure in minimally invasive spinal surgery: prospective series using a personal dosimeter](#)
3. [Management of neglected complex hangman's fracture by reforming the C2 pedicle: new innovative technique of motion preservation at the C1-2 joint in 2 cases](#)
4. [The true penalty of the waiting room: the role of wait time in patient satisfaction in a busy spine practice](#)

5. [Association of spinal instability due to metastatic disease with increased mortality and a proposed clinical pathway for treatment](#)
6. [Gender differences in the surgical management of lumbar degenerative disease: a scoping review](#)
7. [Spinal column shortening versus revision detethering for recurrent adult tethered cord syndrome: a preliminary comparison of perioperative and clinical outcomes](#)
8. [Radiosurgery to the spinal dorsal root ganglion induces fibrosis and inhibits satellite glial cell activation while preserving axonal neurotransmission](#)
9. [The engaged patient: patient activation can predict satisfaction with surgical treatment of lumbar and cervical spine disorders](#)
10. [Differences and characteristics of symptoms by tumor location, size, and degree of spinal cord compression: a retrospective study on 53 surgically treated, symptomatic spinal meningiomas](#)

## NEUROSURGERY

1. [The Hydrogel Endovascular Aneurysm Treatment Trial \(HEAT\): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil](#)
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. [Imaging of Intracranial Pressure Disorders](#)
5. [Prevention of Surgical Site Infection in Spine Surgery](#)
6. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
7. [Sustained Long-Term Outcomes With Closed-Loop Spinal Cord Stimulation: 12-Month Results of the Prospective, Multicenter, Open-Label Avalon Study](#)

8. [Stereotactic Radiosurgery for Spetzler-Martin Grade I and II Arteriovenous Malformations: International Society of Stereotactic Radiosurgery \(ISRS\) Practice Guideline](#)
9. [Head and Neck: Skull Base Imaging](#)
10. [Concussion Guidelines Step 2: Evidence for Subtype Classification](#)

## **OPERATIVE NEUROSURGERY**

1. [First-In-Human Experience With Integration of Wireless Intracranial Pressure Monitoring Device Within a Customized Cranial Implant](#)
2. [Essential Neurosurgery for Medical Students: Trauma](#)
3. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
4. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
5. [Essential Neurosurgery for Medical Students: Spine](#)
6. [Essential Neurosurgery for Medical Students: Vascular](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
9. [Atraumatic Sylvian Fissure Split: Nuances and Pitfalls](#)
10. [Essential Neurosurgery for Medical Students: Tumor](#)