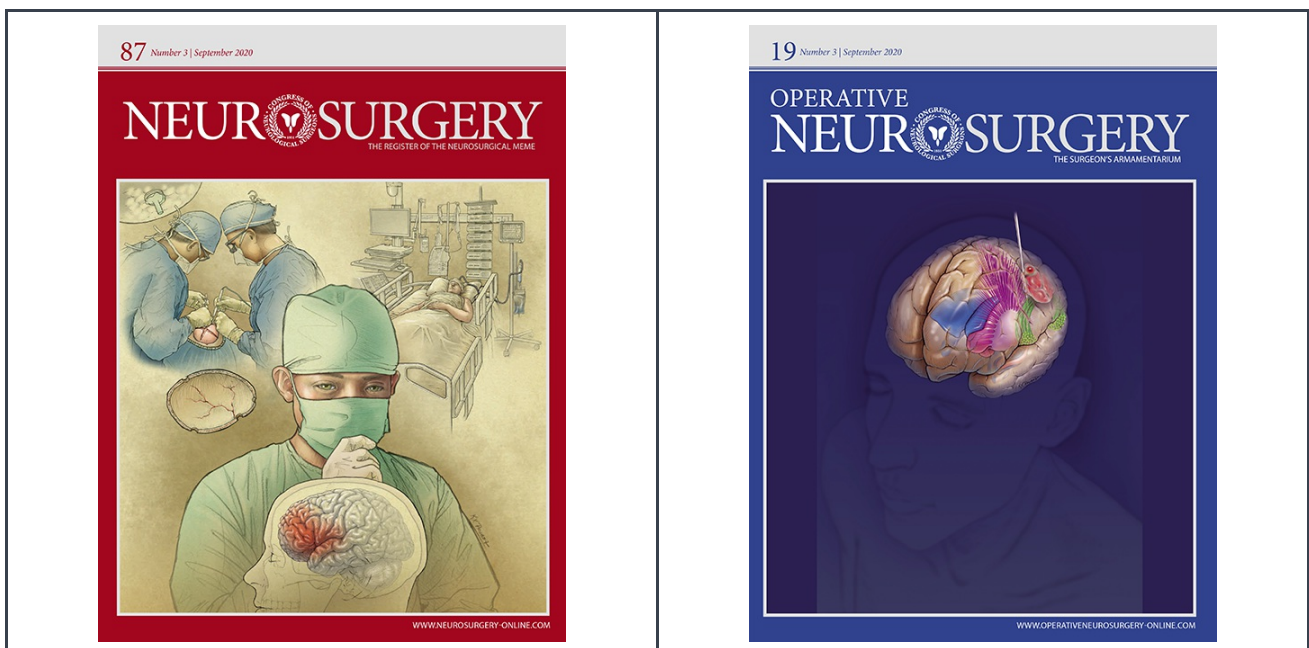




Trending Articles: September 2020

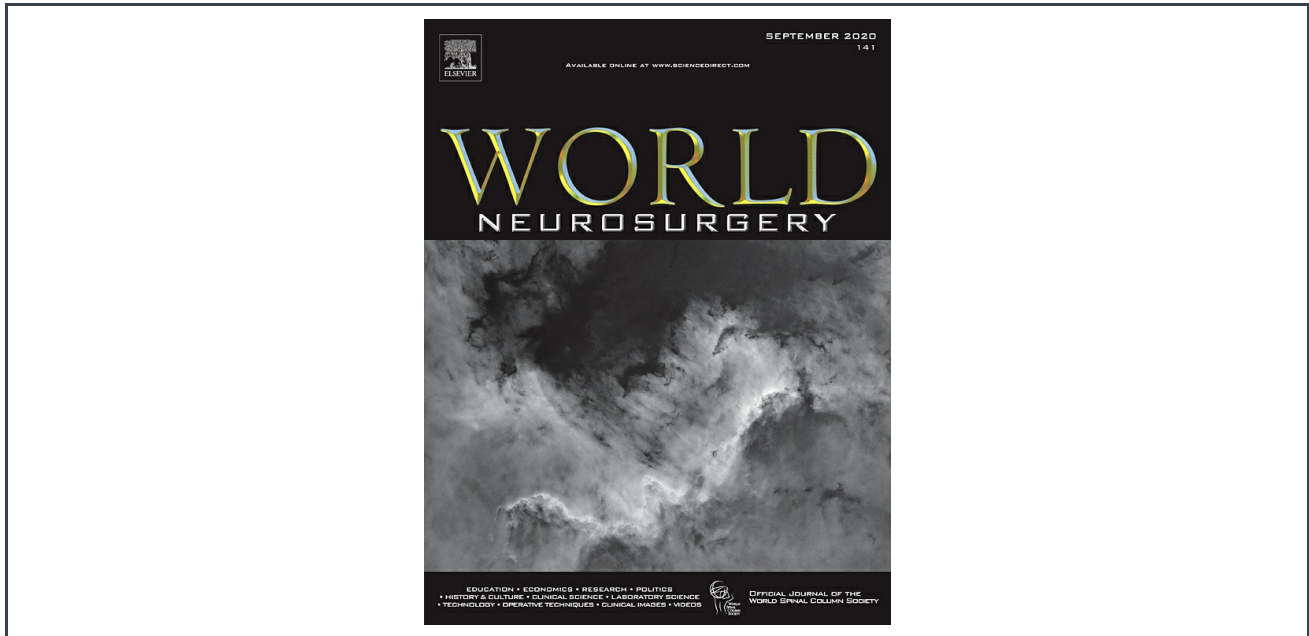
Last Updated: March 25, 2021

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. [Brief encounters that last a lifetime: an immigrant neurosurgeon's reflections on American exceptionalism, George Floyd, sunlight, and race](#)
2. [Do neurosurgeons receive more patient complaints than other physicians? Describing who is most at risk and how we can improve](#)
3. [The cortical organization of language: distilling human connectome insights for supratentorial neurosurgery](#)
4. [Acute low-pressure hydrocephalus: a case series and systematic review of 195 patients](#)
5. [Direct carotid puncture for mechanical thrombectomy in acute ischemic stroke patients with prohibitive vascular access](#)
6. [The 5-factor modified frailty index: an effective predictor of mortality in brain tumor patients](#)
7. [Fellowship, gender, and scholarly productivity: trends among](#)

[academic neurosurgeons in the US](#)

8. [Oblique trajectory angles in robotic stereo-electroencephalography](#)
9. [Neurostimulation for treatment-resistant posttraumatic stress disorder: an update on neurocircuitry and therapeutic targets](#)
10. [Comparison of robotic-assisted carotid stenting and manual carotid stenting through the transradial approach](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Aventricular hemispherotomy: technical note](#)
2. [Neurodevelopmental outcome at 2 years after neuroendoscopic lavage in neonates with posthemorrhagic hydrocephalus](#)
3. [Safety and efficacy of brainstem biopsy in children and young adults](#)
4. [Safety of responsive neurostimulation in pediatric patients with medically refractory epilepsy](#)
5. [Letter to the Editor. Systematic and safe approaches to innovation in pediatric pinning](#)
6. [Effect of surgery and chemotherapy on long-term survival in infants with congenital glioblastoma: an integrated survival analysis](#)
7. [Normal cerebral ventricular volume growth in childhood](#)
8. [Cognitive and developmental outcomes after pediatric insular epilepsy surgery for focal cortical dysplasia](#)
9. [Enhancing access to the suprasellar region: the transcallosal translamina terminalis approach](#)
10. [The clinical utility of intraoperative electrocorticography in pediatric epilepsy surgical strategy and planning](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Patterns of neurological deficits and recovery of postoperative C5 nerve palsy](#)

2. [Neurological events due to pedicle screw malpositioning with lateral fluoroscopy-guided pedicle screw insertion](#)
3. [Vertebral body fracture rates after stereotactic body radiation therapy compared with external-beam radiation therapy for metastatic spine tumors](#)
4. [Institutional databases may underestimate the risk factors for 30-day unplanned readmissions compared to national databases](#)
5. [Asymmetrical pedicle subtraction osteotomy for correction of concurrent sagittal-coronal imbalance in adult spinal deformity: a comparative analysis](#)
6. [Pseudarthrosis in anterior cervical discectomy and fusion with a self-locking, stand-alone cage filled with hydroxyapatite: a retrospective study with clinical and radiological outcomes of 98 levels with a minimum 2-year follow-up](#)
7. [Mechanical failure of the Mobi-C implant for artificial cervical disc replacement: report of 4 cases](#)
8. [Evaluation of the 6-minute walking test as a smartphone app-based self-measurement of objective functional impairment in patients with lumbar degenerative disc disease](#)
9. [Residual numbness of the upper extremity after cervical surgery in patients with cervical spondylotic myelopathy](#)
10. [Impact of sufficient contact between the autograft and endplate soon after surgery to prevent nonunion at 12 months following posterior lumbar interbody fusion](#)

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)

3. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
4. [Stereotactic Radiosurgery for Spetzler-Martin Grade I and II Arteriovenous Malformations: International Society of Stereotactic Radiosurgery \(ISRS\) Practice Guideline](#)
5. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
6. [Pearls for Interpreting Neurosurgical Systematic Reviews and Meta-Analyses: Lessons From a Collaborative Effort](#)
7. [Imaging of Intracranial Pressure Disorders](#)
8. [Syndrome of the Trephined A Systematic Review](#)
9. [Overview of Mechanical Thrombectomy Techniques](#)
10. [Head and Neck: Skull Base Imaging](#)

OPERATIVE NEUROSURGERY

1. [Risk of Brain Herniation After Craniotomy With Preoperative Lumbar Spinal Drainage: A Single-Surgeon Experience of 365 Patients Among 3000 Major Cranial Cases](#)
2. [Mini-Pterional Craniotomy and Extradural Clinoidectomy for Clinoid Meningioma: Optimization of Exposure Using Augmented Reality Template: 2-Dimensional Operative Video](#)
3. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
4. [Essential Neurosurgery for Medical Students: Spine](#)
5. [Essential Neurosurgery for Medical Students: Trauma](#)
6. [Microsurgical Treatment of Unruptured Anterior Communicating Artery Aneurysms: Approaches and Outcomes in a Large Contemporary Series and Review of the Literature](#)
7. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)

8. [The Supraorbital Eyebrow Craniotomy for Intra- and Extra-Axial Brain Tumors: A Single-Center Series and Technique Modification](#)
9. [Essential Neurosurgery for Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
10. [Essential Neurosurgery for Medical Students: Introduction: Vascular](#)

WORLD NEUROSURGERY Editor's Choice

1. [Pediatric Giant Craniopharyngioma: Surgical Field Soak in Diluted Nimodipine Solution Reduces Cerebral Vasospasm](#)
2. [Awake Craniotomy with Cortical and Subcortical Speech Mapping for Supramarginal Cavernoma Resection](#)
3. [Detection of Transient Increase of Cerebral Blood Flow and Reversible Neuronal Dysfunction by Iodine-123-Iomazenil Single Photon Emission Computed Tomography After Cerebral Hyperperfusion Syndrome After Revascularization Surgery for Moyamoya Disease](#)
4. [Updates in Chronic Subdural Hematoma: Epidemiology, Etiology, Pathogenesis, Treatment, and Outcome](#)
5. [Factors Impacting Outcomes and Health Care Utilization in Osteoporotic Patients Undergoing Lumbar Spine Fusions: A MarketScan Database Analysis](#)
6. [Early Responses of Neurosurgical Practice to the Coronavirus Disease 2019 \(COVID-19\) Pandemic: A Rapid Review](#)