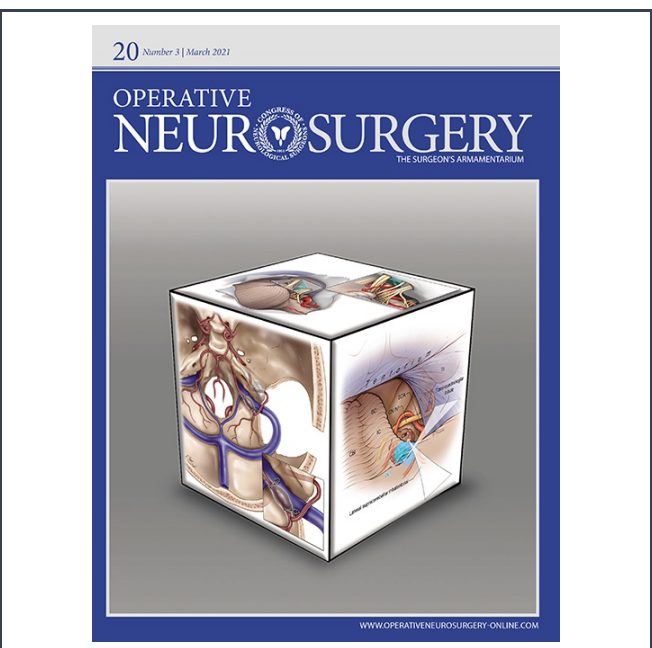




Trending Articles: March 2021

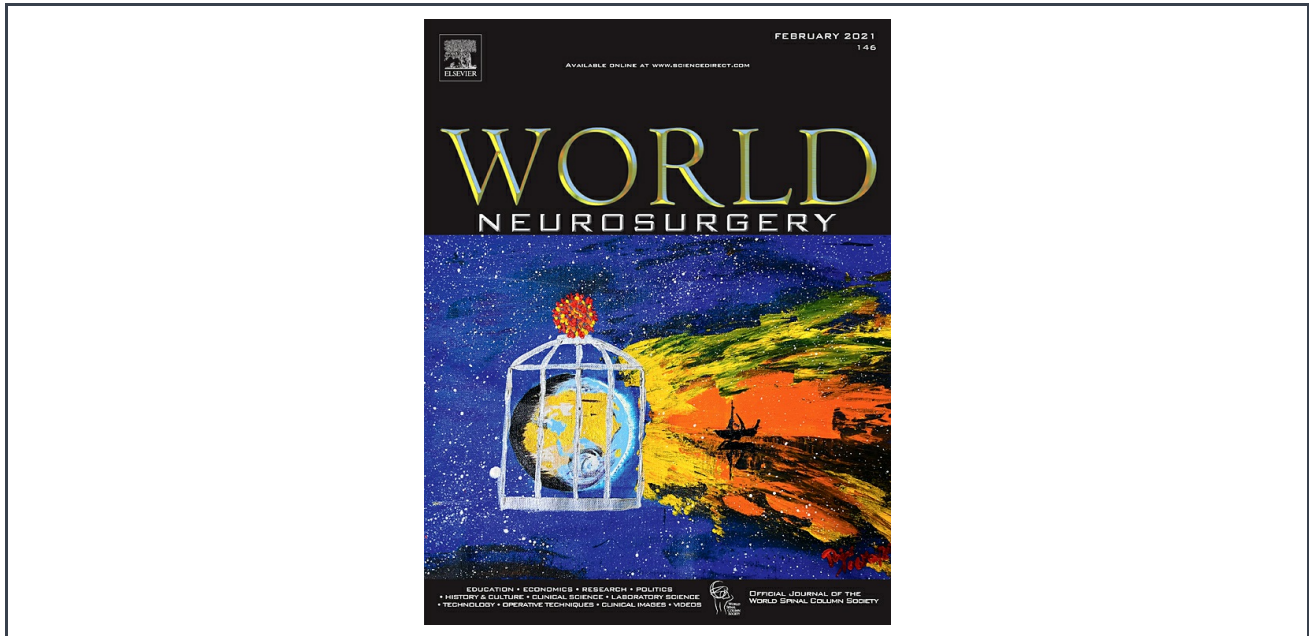
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What follows is a collaborative effort between *The Neurosurgical Atlas* and leading publishers of neurosurgical literature to provide you with a concise list of newly released articles that are most frequently accessed. Participating journals are 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. [A propensity-adjusted comparison of middle meningeal artery embolization versus conventional therapy for chronic subdural hematomas](#)
2. [Minimal anterior and posterior combined transpetrosal approach for large petroclival meningiomas](#)
3. [Volumetric quantification of aneurysmal subarachnoid hemorrhage independently predicts hydrocephalus and seizures](#)
4. [From Krönlein, through madness, to a useful modern surgery: the journey of the transorbital corridor to enter the neurosurgical armamentarium](#)
5. [Stereotactic radiosurgery as the first-line treatment for intracanalicular vestibular schwannomas](#)
6. [Perioperative complications of deep brain stimulation among patients with advanced age: a single-institution retrospective analysis](#)

7. [Stereotactic radiosurgery as the primary management for patients with Koos grade IV vestibular schwannomas](#)
8. [The history of neurosurgery at Baylor College of Medicine](#)
9. [Intraoperative continuous vagus nerve monitoring with repetitive direct stimulation in surgery for jugular foramen tumors](#)
10. [The rhinopharyngeal flap for reconstruction of lower clival and craniovertebral junction defects](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Utility of ventriculogallbladder shunts in complex cases of hydrocephalus related to extreme prematurity](#)
2. [Preclinical efficacy of ribavirin in SHH and group 3 medulloblastoma](#)
3. [Dural augmentation approaches and complication rates after posterior fossa decompression for Chiari I malformation and syringomyelia: a Park-Reeves Syringomyelia Research Consortium study](#)
4. [Low-molecular-weight heparin versus unfractionated heparin in pediatric traumatic brain injury](#)
5. [Diffusion tensor imaging in children following prenatal myelomeningocele repair and its predictive value for the need and timing of subsequent CSF diversion surgery for hydrocephalus](#)
6. [The survival of reimplanted shunts following externalization: a single-institution cohort study](#)
7. [Utility of a pediatric fast magnetic resonance imaging protocol as surveillance scanning for traumatic brain injury](#)
8. [Quality of life in children with hydrocephalus treated with endoscopic third ventriculostomy](#)
9. [Letter to the Editor. Standardization of dexamethasone utility in pediatric neuro-oncosurgery](#)
10. [Shunt infection and malfunction in patients with myelomeningocele](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [A study of probable benefit of a bioresorbable polymer scaffold for safety and neurological recovery in patients with complete thoracic spinal cord injury: 6-month results from the INSPIRE study](#)
2. [A randomized controlled trial of the X-Stop interspinous distractor device versus laminectomy for lumbar spinal stenosis with 2-year quality-of-life and cost-effectiveness outcomes](#)
3. [Impact of dual-headed pedicle screws on the biomechanics of lumbosacral junction multirod constructs](#)
4. [Surgical outcomes in rigid versus flexible cervical deformities](#)
5. [Report of a spinal extradural arteriovenous fistula with double radiculomedullary venous drainage: therapeutic implications and role of intraoperative spinal angiography](#)
6. [Simultaneous translation on two rods improves the correction and apex translocation in adolescent patients with hypokyphotic scoliosis](#)
7. [Impact of surgeon and hospital factors on surgical decision-making for grade 1 degenerative lumbar spondylolisthesis: a Quality Outcomes Database analysis](#)
8. [Association of extended duration of sciatic leg pain with worse outcome after lumbar disc herniation surgery: a register study in 6216 patients](#)
9. [Reintervention rate of arachnolysis versus shunting for nonforaminal syringomyelia](#)
10. [Utility of prediction model score: a proposed tool to standardize the performance and generalizability of clinical predictive models based on systematic review](#)

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)

2. [Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
3. [Letter: A Call to Action: Increasing Black Representation in Neurological Surgery](#)
4. [Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Multi-Center Experience of 154 Consecutive Embolizations](#)
5. [Alignment, Classification, Clinical Evaluation, and Surgical Treatment for Adult Cervical Deformity: A Complete Guide](#)
6. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
7. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
8. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
9. [Strategies to Mitigate Toxicities From Stereotactic Body Radiation Therapy for Spine Metastases](#)
10. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for Deep Brain Stimulations for Obsessive-Compulsive Disorder: Update of the 2014 Guidelines](#)

OPERATIVE NEUROSURGERY

1. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
2. [The Retroauricular Incision as an Effective and Safe Alternative Incision for Decompressive Hemicraniectomy](#)
3. [Essential Neurosurgery for Medical Students: Spine](#)
4. [Essential Neurosurgery for Medical Students: Vascular](#)
5. [Essential Neurosurgery for Medical Students: Trauma](#)

6. [Safety of Early Mobilization in Patients With Intraoperative Cerebrospinal Fluid Leak in Minimally Invasive Spine Surgery: A Case Series](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [Endovascular Treatment of Aneurysms Using Flow-Diversion Embolization: 2-Dimensional Operative Video](#)
9. [Essential Neurosurgery for Medical Students: Tumor](#)
10. [Risk of Brain Herniation After Craniotomy With Preoperative Lumbar Spinal Drainage: A Single-Surgeon Experience of 365 Patients Among 3000 Major Cranial Cases](#)

WORLD NEUROSURGERY Editor's Choice

1. [Trends in Academic Spine Neurosurgeon Productivity as Measured by the Relative Citation Ratio](#)
2. [Attitudes of Neurosurgeons Toward Social Media: A Multi-Institutional Study](#)
3. [Risk of Rupture of Small Intracranial Aneurysms \(\$\leq 5\$ mm\) Among the Chinese Population](#)
4. [Volumetric Study of Nonfunctioning Pituitary Adenomas: Predictors of Gross Total Resection](#)
5. [The Co-Pilot Project: An International Neurosurgical Collaboration in Ukraine](#)
6. [Intraoperative Neuromonitoring in Patients with Intradural Extramedullary Spinal Cord Tumor: A Single-Center Case Series](#)