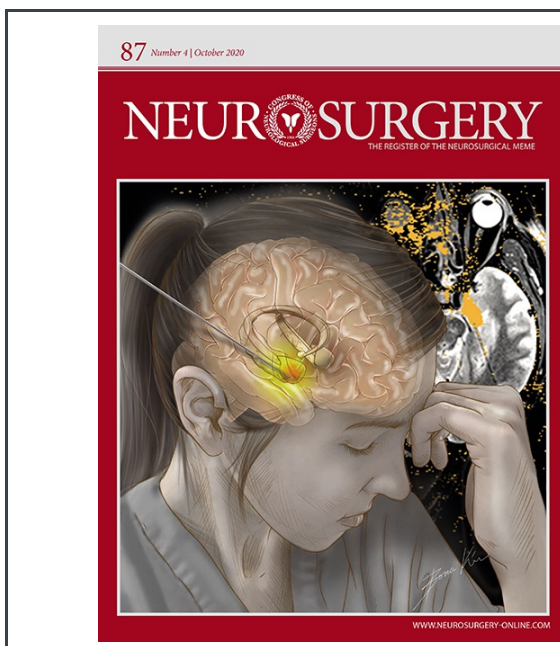




## Trending Articles: October 2020

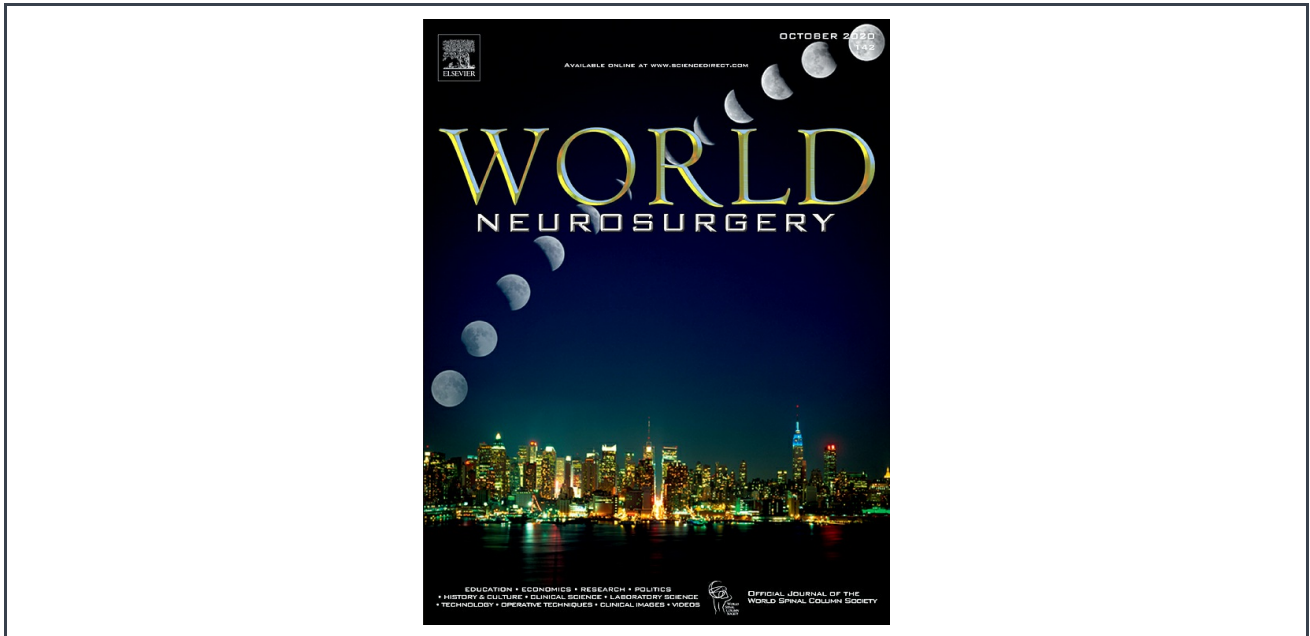
Last Updated: July 14, 2021

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. [The economic value of an on-call neurosurgical resident physician](#)
2. [A data-driven model to identify high-risk aneurysms and guide management decisions: the Rupture Resemblance Score](#)
3. [Developing microsurgical milestones for psychomotor skills in neurological surgery residents as an adjunct to operative training: the home microsurgery laboratory](#)
4. [Cerebral deep venous thrombosis and COVID-19: case report](#)
5. [Editorial. The lessons of neurosurgery: a new publication for the Journal of Neurosurgery](#)
6. [Use of endoscopic transorbital and endonasal approaches for 360° circumferential access to orbital tumors](#)
7. [A practical method for dealing with missing Glasgow Coma Scale verbal component scores](#)
8. [Is IDH status the only factor predicting prognosis in newly](#)

[diagnosed anaplastic glioma patients? Outcome evaluation and prognostic factor analysis in a single-institution large series](#)

9. [The management of clival chordomas: an Italian multicentric study](#)
10. [Human motor endplate remodeling after traumatic nerve injury](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Fetal surgery for occipital encephalocele](#)
2. [Enhancing access to the suprasellar region: the transcallosal translamina terminalis approach](#)
3. [Repeat convection-enhanced delivery for diffuse intrinsic pontine glioma](#)
4. [Occurrence of traumatic brain injury due to short falls with or without a witness by a nonrelative in children younger than 2 years](#)
5. [Outcome improvement in cerebral ventriculitis after ventricular irrigation: a prospective controlled study](#)
6. [Postoperative fever workup in pediatric neurosurgery patients](#)
7. [Acute brain inflammation, white matter oxidative stress, and myelin deficiency in a model of neonatal intraventricular hemorrhage](#)
8. [Aventricular hemispherotomy: technical note](#)
9. [Middle fossa approach for a pediatric facial nerve meningioma](#)
10. [Utility of invasive electroencephalography in children 3 years old and younger with refractory epilepsy](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Development and validation of a clinical prediction score for poor postoperative pain control following elective spine surgery](#)
2. [Surgical management of atlantoaxial dislocation and cervical spinal cord injury in craniopagus twins](#)
3. [Spinal cord injury in the United States Army Special Forces](#)

4. [Early fixation of traumatic spinal fractures and the reduction of complications in the absence of neurological injury: a retrospective cohort study from the American College of Surgeons Trauma Quality Improvement Program](#)
5. [To operate, or not to operate? Narrative review of the role of survival predictors in patient selection for operative management of patients with metastatic spine disease](#)
6. [Accuracy of fluoroscopic guidance with the coaxial view of the pedicle for percutaneous insertion of lumbar pedicle screws and risk factors for pedicle breach](#)
7. [The effect of simulation training on resident proficiency in thoracolumbar pedicle screw placement using computer-assisted navigation](#)
8. [Noninvasive patient tracker mask for spinal 3D navigation: does the required large-volume 3D scan involve a considerably increased radiation exposure?](#)
9. [Editorial. Postoperative pain control after spinal surgery: an opportunity](#)
10. [Long-term impact of obesity on patient-reported outcomes and patient satisfaction after lumbar spine surgery: an observational study](#)

## NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Letter: Realistic expectations for incorporating dual-trained neurosurgeons in a call schedule](#)
3. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
4. [Letter: The Supreme Court's recent decision is a call for increased diversity in neurosurgery](#)

5. [Letter: The COVID-19 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
6. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
7. [Contract Negotiation for Neurosurgeons: A Practical Guide](#)
8. [Cerebrovascular Imaging: Which Test is Best?](#)
9. [Letter: Dismantling the apocalypse narrative: the myth of the COVID-19 stroke](#)
10. [Imaging of Intracranial Pressure Disorders](#)

## **OPERATIVE NEUROSURGERY**

1. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
2. [Game Theory and Neurosurgery](#)
3. [Essential Neurosurgery for Medical Students: Spine](#)
4. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
5. [Essential Neurosurgery for Medical Students: Trauma](#)
6. [First-In-Human Experience With Integration of Wireless Intracranial Pressure Monitoring Device Within a Customized Cranial Implant](#)
7. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
8. [Essential Neurosurgery for Medical Students: Vascular](#)
9. [Near Total Versus Gross Total Resection of Large Vestibular Schwannomas: Facial Nerve Outcome](#)
10. [Access-Site Complications in Transfemoral Neuroendovascular Procedures: A Systematic Review of Incidence Rates and Management Strategies](#)

1. [The Future of Skull Base Surgery: A View Through Tinted Glasses](#)
  2. [Transcript of WORLD NEUROSURGERY Twitter Chat with Walter Jean, M.D., hosted by Aliyu Ndajiwo, M.D., May 30, 2020 at 20:00 GMT](#)
  3. [Current Results of Surgical Treatment of Craniopharyngiomas: The Impact of Endoscopic Endonasal Approaches](#)
  4. [Creative and Innovative Methods and Techniques for the Challenges in the Management of Adult Craniopharyngioma](#)
  5. [Primary Lumbar Paraganglioma: Clinical, Radiologic, Surgical, and Histopathologic Characteristics from a Case Series of 13 Patients](#)
  6. [Emerging Trends in the Neurosurgical Workforce of Low- and Middle-Income Countries: A Cross-Sectional Study](#)
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