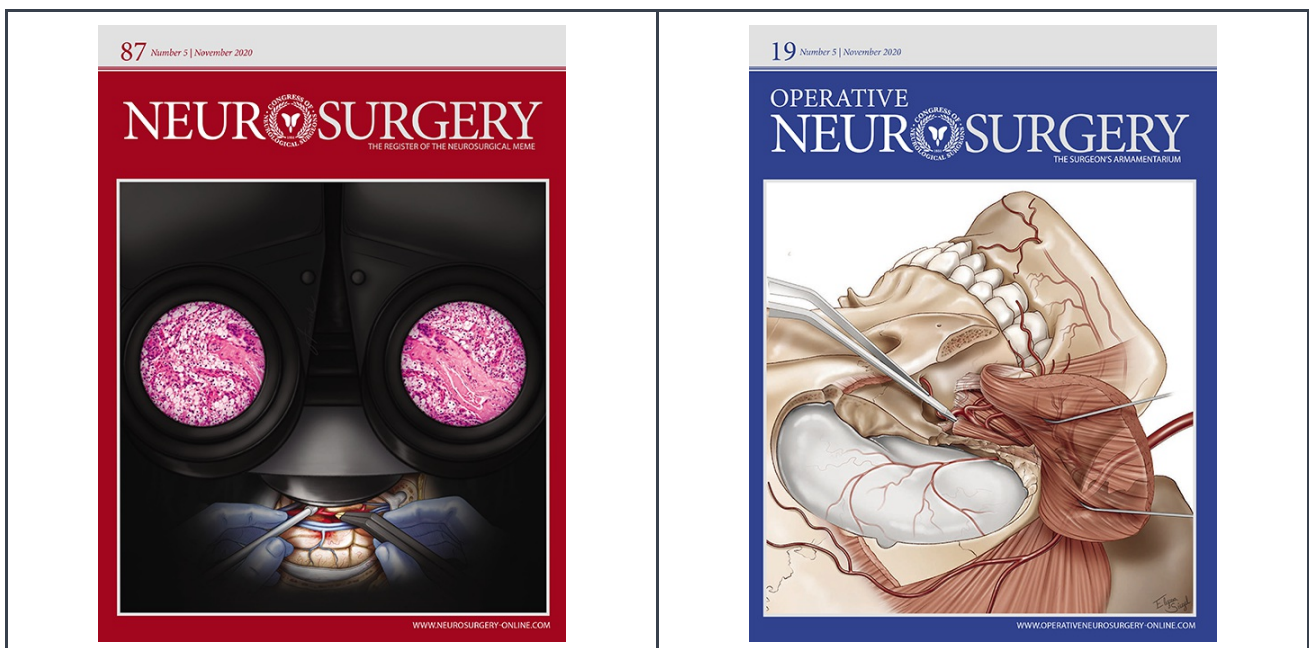




## Trending Articles: November 2020

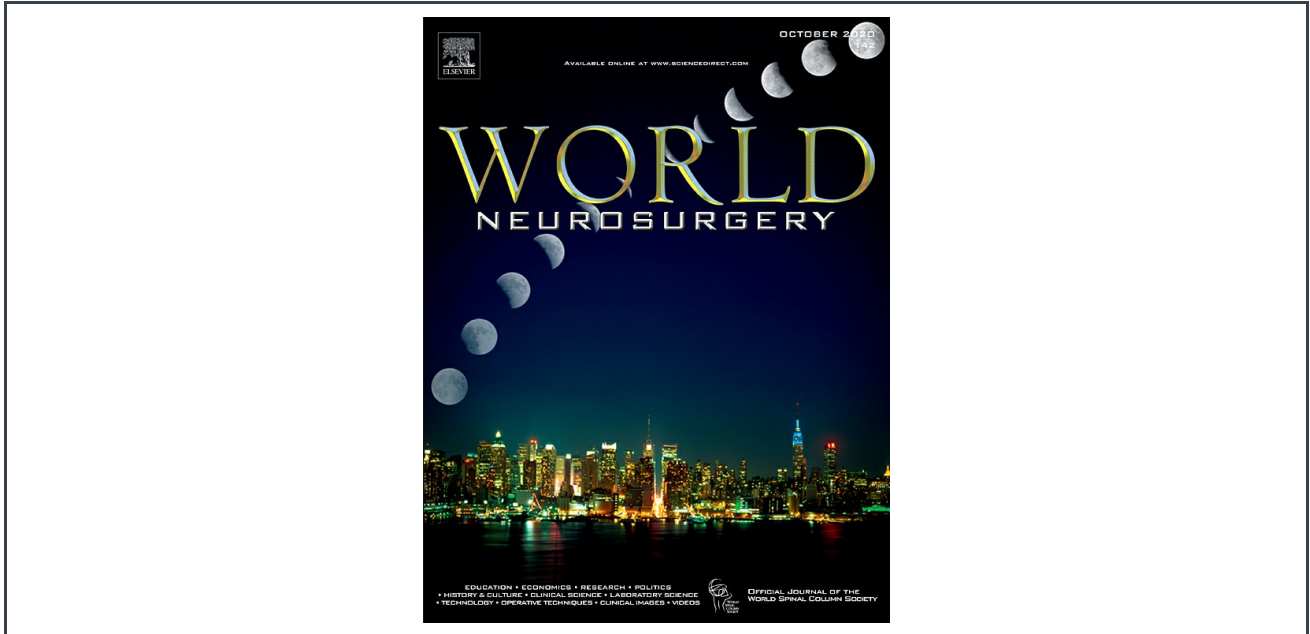
Last Updated: July 14, 2021

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 Simpson grade: abandon the scale but preserve the message](#)
2. [Surgical management of incidentally discovered low-grade gliomas](#)
3. [Big data, machine learning, and artificial intelligence: a field guide for neurosurgeons](#)
4. [Microneurosurgical removal of thalamic lesions: surgical results and considerations from a large, single-surgeon consecutive series](#)
5. [Intraoperative MRI for newly diagnosed supratentorial glioblastoma: a multicenter-registry comparative study to conventional surgery](#)
6. [Interhospital competition and hospital charges and costs for patients undergoing cranial neurosurgery](#)
7. [Long-term clinical outcomes of bilateral GPi deep brain stimulation in advanced Parkinson's disease: 5 years and beyond](#)
8. [The value of intraoperative MRI in recurrent intracranial tumor surgery](#)

9. [Continuous improvement in patient safety and quality in neurological surgery: the American Board of Neurological Surgery in the past, present, and future](#)
10. [A tribute to the late Professor Donald Simpson, Australian neurosurgeon and namesake of the Simpson grading system for meningioma extent of resection](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Magnetic resonance imaging-guided laser-induced thermal therapy for functional hemispherotomy in a child with refractory epilepsy and multiple medical comorbidities](#)
2. [Fourth ventricle tumors in children: complications and influence of surgical approach](#)
3. [Endoscope-assisted microsurgical resection of intrinsic brainstem epidermoid: technical note and review of the literature](#)
4. [Endoscopic ultrasonic aspiration of an intraparenchymal hematoma in a newborn](#)
5. [Effects of intraoperative liposomal bupivacaine on pain control and opioid use after pediatric Chiari I malformation surgery: an initial experience](#)
6. [Soft tissue density within the foramen magnum, a predictor for surgical intervention in pediatric patients with Chiari malformation type I](#)
7. [United States emergency department visits for children with cerebrospinal fluid shunts](#)
8. [Pediatric neurosurgery in Asia and Australasia: training and clinical practice](#)
9. [The feasibility and value of extraoperative and adjuvant intraoperative stereoelectroencephalography in rolandic and perirolandic epilepsies](#)
10. [Interactions between programmable shunt valves and magnetically](#)

## JOURNAL OF NEUROSURGERY: SPINE

1. [Consensus-based perioperative protocols during the COVID-19 pandemic](#)
2. [Does the Global Alignment and Proportion score overestimate mechanical complications after adult spinal deformity correction?](#)
3. [Bilateral paraspinal muscle flap closure technique for reduction of wound complications from posterior thoracolumbar spinal fusion: results of a series of 716 patients](#)
4. [Air migration through neural foramina in pneumorrhachis: case illustration](#)
5. [A single-center retrospective analysis of 3- or 4-level anterior cervical discectomy and fusion: surgical outcomes in 66 patients](#)
6. [Smart glasses display device for fluoroscopically guided minimally invasive spinal instrumentation surgery: a preliminary study](#)
7. [Prognostic significance of C1–C2 facet malalignment after surgical decompression in adult Chiari malformation type I: a pilot study based on the Chicago Chiari Outcome Scale](#)
8. [Practical answers to frequently asked questions for shared decision-making in adult spinal deformity surgery](#)
9. [Obesity may be associated with adjacent-segment degeneration after single-level transforaminal lumbar interbody fusion in spinopelvic-mismatched patients with a minimum 2-year follow-up](#)
10. [Stereotactic body radiation therapy for spinal metastases: a novel local control stratification by spinal region](#)

## 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: Dismantling the Apocalypse Narrative: The Myth of the COVID-19 Stroke](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
6. [A Primer on Human Brain Organoids for the Neurosurgeon](#)
7. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
8. [An Update on Medications for Brain Arteriovenous Malformations](#)
9. [Management of Odontoid Fractures in the Elderly: A Review of the Literature and an Evidence-Based Treatment Algorithm](#)
10. [Overview of Mechanical Thrombectomy Techniques](#)

## **OPERATIVE NEUROSURGERY**

1. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
2. [Essential Neurosurgery For Medical Students: Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
3. [Essential Neurosurgery for Medical Students: Trauma](#)
4. [Essential Neurosurgery for Medical Students: Spine](#)
5. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
6. [Access-Site Complications in Transfemoral Neuroendovascular Procedures: A Systematic Review of Incidence Rates and Management Strategies](#)
7. [Essential Neurosurgery for Medical Students: Introduction: Tumor](#)

8. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
9. [Game Theory and Neurosurgery](#)
10. [Essential Neurosurgery for Medical Students: Epilepsy, Functional Neurosurgery, and Pain](#)

## **WORLD NEUROSURGERY Editor's Choice**

1. [A Surprise Sabbatical: How Mayo Clinic Neurosurgery Coped with Coronavirus Disease 2019](#)
2. [What's in a Name? "Global Neurosurgery" in the 21st Century](#)
3. [Academic Output of the Neurosurgery Profession During the COVID-19 Pandemic](#)
4. [Increased Utilization of Social Media in Neurosurgery During the COVID-19 Pandemic](#)
5. ["Staying Home"—Early Changes in Patterns of Neurotrauma in New York City During the COVID-19 Pandemic](#)
6. [Use of C7 Slope as a Surrogate Marker for T1 Slope: A Radiographic Study in Patients with and without Cervical Deformity](#)