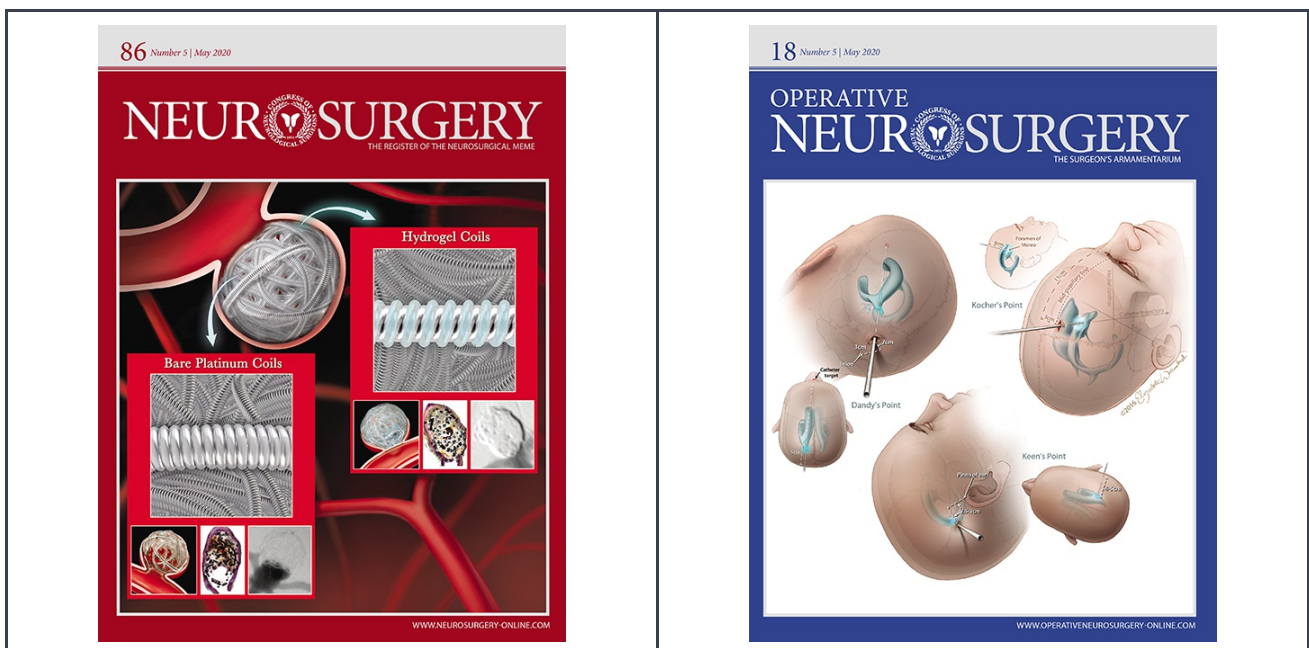




## Trending Articles: May 2020

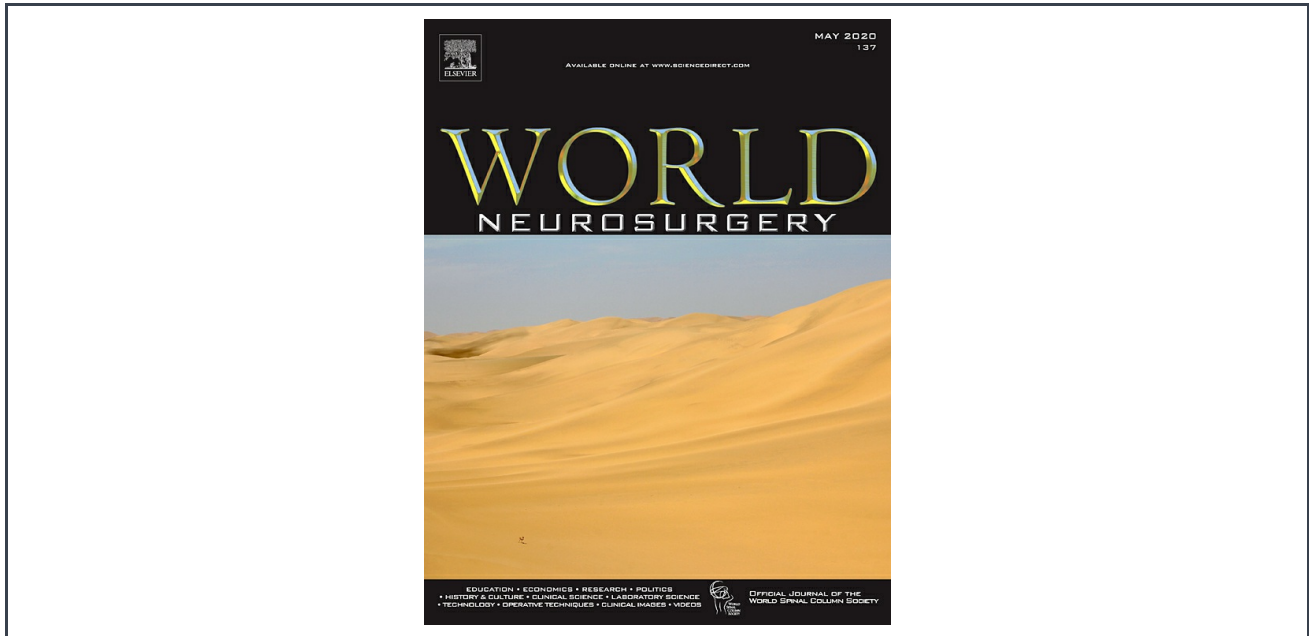
*Last Updated: March 25, 2021*

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. [Introduction. On pandemics: the impact of COVID-19 on the practice of neurosurgery](#)
2. [Editorial. Neurosurgery in the storm of COVID-19: suggestions from the Lombardy region, Italy \(ex malo bonum\)](#)
3. [Editorial. Impact of COVID-19 on neurosurgery resident training and education](#)
4. [Editorial. Endonasal neurosurgery during the COVID-19 pandemic: the Singapore perspective](#)
5. [Editorial. Response to COVID-19 in Chinese neurosurgery and beyond](#)
6. [Editorial. COVID-19 and academic neurosurgery](#)
7. [Editorial. Task shifting and task sharing for neurosurgeons amidst the COVID-19 pandemic](#)
8. [Editorial. COVID-19 and its impact on neurosurgery: our early](#)

[experience in Singapore](#)

9. [Editorial. Innovations in neurosurgical education during the COVID-19 pandemic: is it time to reexamine our neurosurgical training models?](#)
10. [Editorial. A neurosurgery resident's response to COVID-19: anything but routine](#)

## **JOURNAL OF NEUROSURGERY: PEDIATRICS**

1. [Editorial. Early lessons in the management of COVID-19 for the pediatric neurosurgical community from the leadership of the American Society of Pediatric Neurosurgeons](#)
2. [Timing of syrinx reduction and stabilization after posterior fossa decompression for pediatric Chiari malformation type I](#)
3. [Pinning in pediatric neurosurgery: the modified rubber stopper technique](#)
4. [Radiological and clinical associations with scoliosis outcomes after posterior fossa decompression in patients with Chiari malformation and syrinx from the Park-Reeves Syringomyelia Research Consortium](#)
5. [Skull base aneurysmal bone cyst presenting with hydrocephalus: progressive residuum obliterated by Gamma Knife stereotactic radiosurgery in a pediatric patient](#)
6. [Editorial. Pediatric neurosurgery along with Children's Hospitals' innovations are rapid and uniform in response to the COVID-19 pandemic](#)
7. [Obex position is associated with syringomyelia and use of posterior fossa decompression among patients with Chiari I malformation](#)
8. [Validation of the Surgical Intervention for Traumatic Injury scale in the pediatric population](#)
9. [Bringing high-grade arteriovenous malformations under control: clinical outcomes following multimodality treatment in children](#)

10. [Association of time to initial clinic visit with prolonged recovery in pediatric patients with concussion](#)

## **JOURNAL OF NEUROSURGERY: SPINE**

1. [Editorial. COVID-19 and spinal surgery](#)
2. [Minimally invasive foramen magnum durectomy and obexostomy for treatment of craniocervical junction-related syringomyelia in adults: case series and midterm follow-up](#)
3. [Strategy for obtaining solid fusion at L5-S1 in adult spinal deformity: risk factor analysis for nonunion at L5-S1](#)
4. [Clinical predictors of achieving the minimal clinically important difference after surgery for cervical spondylotic myelopathy: an external validation study from the Canadian Spine Outcomes and Research Network](#)
5. [Quantifying the impact of surgical decompression on quality of life and identification of factors associated with outcomes in patients with symptomatic metastatic spinal cord compression](#)
6. [Comparison of complete and near-complete endovascular embolization of hypervascular spine tumors with partial embolization](#)
7. [Microsurgical versus endovascular treatment of spinal epidural arteriovenous fistulas with intradural venous drainage: a multicenter study of 81 patients](#)
8. [Biomechanical analysis of occipitocervical stabilization techniques: emphasis on integrity of osseous structures at the occipital implantation sites](#)
9. [Efficacy of intraoperative cell salvage in spine surgery: a meta-analysis](#)
10. [The impact of obesity on perioperative complications in patients undergoing anterior lumbar interbody fusion](#)

## NEUROSURGERY

1. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
2. [A COVID-19 Patient Who Underwent Endonasal Endoscopic Pituitary Adenoma Resection: A Case Report](#)
3. [Letter: Strategies for Prevention and Control of 2019 Novel Coronavirus Infection Among Medical Staff](#)
4. [Letter: Precautions for Endoscopic Transnasal Skull Base Surgery During the COVID-19 Pandemic](#)
5. [Letter: Academic Neurosurgery Department Response to COVID-19 Pandemic: The University of Miami/Jackson Memorial Hospital Model](#)
6. [Letter: Adaptation Under Fire: Two Harvard Neurosurgical Services During the COVID-19 Pandemic](#)
7. [Letter: The Risk of COVID-19 Infection During Neurosurgical Procedures: A Review of Severe Acute Respiratory Distress Syndrome Coronavirus 2 \(SARS-CoV-2\) Modes of Transmission and Proposed Neurosurgery-Specific Measures for Mitigation](#)
8. [Neuroimaging of Intracerebral Hemorrhage](#)
9. [Letter: COVID-19 Infection Affects Surgical Outcome of Chronic Subdural Hematoma](#)
10. [The Hydrogel Endovascular Aneurysm Treatment Trial \(HEAT\): A Randomized Controlled Trial of the Second-Generation Hydrogel Coil](#)

## OPERATIVE NEUROSURGERY

1. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
2. [Essential Neurosurgery for Medical Students: Spine](#)
3. [Essential Neurosurgery for Medical Students: Trauma](#)

4. [Craniometrics and Ventricular Access: A Review of Kocher's, Kaufman's, Paine's, Menovksy's, Tubbs', Keen's, Frazier's, Dandy's, and Sanchez's Points](#)
5. [The Orbitozygomatic Craniotomy and Its Judicious Use](#)
6. [Essential Neurosurgery for Medical Students: Vascular](#)
7. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
8. [Left Parietal Craniotomy for Resection of Grade IV Arteriovenous Malformation: 2-Dimensional Operative Video](#)
9. [Essential Neurosurgery for Medical Students: Introduction: What is Neurosurgery?](#)
10. [Essential Neurosurgery for Medical Students: Tumor](#)

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

1. [Assessing the Effects of Publication Bias on Reported Outcomes of Cervical Disc Replacement and Anterior Cervical Discectomy and Fusion: A Meta-Epidemiologic Study](#)
2. [Thalamic Deep Brain Stimulation for Essential Tremor: Relation of the Dentatorubrothalamic Tract with Stimulation Parameters](#)
3. [Practical Application of Networks in Neurosurgery: Combined 3-Dimensional Printing, Neuronavigation, and Preoperative Surgical Planning](#)
4. [Pituitary Apoplexy Case Series: Outcomes After Endoscopic Endonasal Transsphenoidal Surgery at a Single Tertiary Center](#)
5. [Geographic Distribution of International Medical Graduate Residents in U.S. Neurosurgery Training Programs](#)
6. [Use of Single-Photon Emission Computed Tomography Imaging for Hypermetabolic Facet Identification in Diagnosis of Cervical and Axial Back Pain](#)

