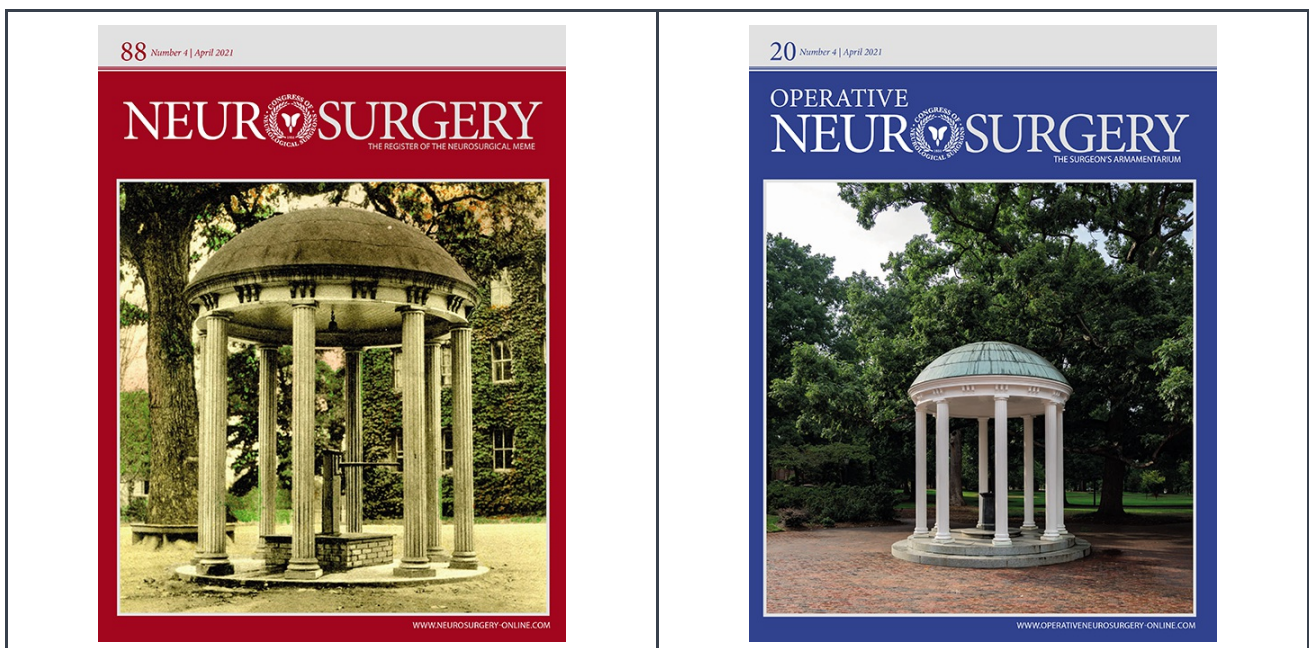




Trending Articles: April 2021

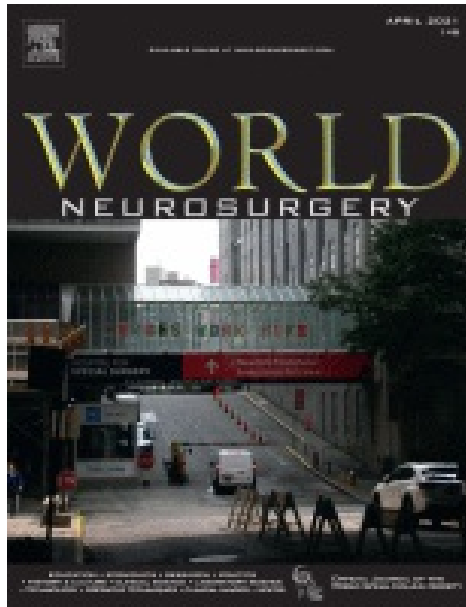
Last Updated: July 14, 2021

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. [Double-Barrel STA-MCA Bypass for Cerebral Revascularization: Lessons Learned From a 10-Year Experience](#)
2. [Aspirin Versus Anticoagulation for Stroke Prophylaxis in Blunt Cerebrovascular Injury: A Propensity-Matched Retrospective Cohort Study](#)
3. [Improved Surgeon Performance Following Cadaveric Simulation of Internal Carotid Artery Injury During Endoscopic Endonasal Surgery: Training Outcomes of a Nationwide Prospective Educational Intervention](#)
4. [Endoscopic Endonasal Versus Transcranial Surgery for Primary Resection of Craniopharyngiomas Based on a New QST Classification System: A Comparative Series of 315 Patients](#)
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. Detrimental Effects of Intrahospital Transport on Cerebral Metabolism in Patients Suffering Severe Aneurysmal Subarachnoid Hemorrhage
8. Developing a Professionalism and Harassment Policy for Organized Neurosurgery
9. Novel Intraoperative Online Functional Mapping of Somatosensory Finger Representations for Targeted Stimulating Electrode Placement: Technical Note
10. Incorporating Conditional Survival Into Prognostication for Gunshot Wounds to the Head

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. The Effect of External Ventricular Drain Tunneling Length on CSF Infection Rate in Pediatric Patients: A Randomized, Double-Blind, 3-Arm Controlled Trial
2. Management Strategies for Recurrent Pediatric Craniopharyngioma: New Recommendations
3. Evaluation of Smartphone-Integrated Magnetometers in Detection of Safe Electromagnetic Devices for Use Near Programmable Shunt Valves: A Proof-of-Concept Study
4. MRI Evaluation of Nerve Root Avulsion in Neonatal Brachial Plexus Palsy: Understanding the Presence of Isolated Dorsal/Ventral Rootlet Disruption
5. Endoscope-Assisted Microsurgical Repair in Trigeminal Meningocele: Case Report
6. Contemporary Management of Pediatric Open Skull Fractures: A Multicenter Pediatric Trauma Center Study
7. Image Processing and Machine Learning for Telehealth Craniosynostosis Screening in Newborns

8. [Prenatal Ventriculomegaly: Natural Course, Survival, and Neurodevelopmental Status](#)
9. [Vacuum-Assisted Elevation of Pediatric Ping-Pong Skull Fractures: A Case Series and Technical Note](#)
10. [White Coat to White alb: Pediatric Neurosurgery to Lutheran Ministry](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Intrawound Vancomycin Application After Spinal Surgery: A Propensity Score-Matched Cohort Analysis](#)
2. [Minimal Anterior and Posterior Combined Transpetrosal Approach for Large Petroclival Meningiomas](#)
3. [Key Drivers of Patient Satisfaction With Spine Surgeons in the Outpatient Setting](#)
4. [Intradural Calcium Pyrophosphate Dihydrate Deposition Disease: Case Report](#)
5. [Tethered Spinal Cord Syndrome in Adults in the MRI Era: Recognition, Pathology, and Long-Term Objective Outcomes](#)
6. [Coronal Balance With Circumferential Minimally Invasive Spinal Deformity Surgery for the Treatment of Degenerative Scoliosis: Are We Leaning in the Right Direction?](#)
7. [Similar Surgical Outcomes of the Growing Rod Technique for Treatment of Early-Onset Scoliosis With Versus Without Untreated Intraspinous Anomalies](#)
8. [Harmonized Outcome Measures for Use in Degenerative Lumbar Spondylolisthesis Patient Registries and Clinical Practice](#)
9. [Predictors of Neurologic Outcome After Surgery for Cervical Ossification of the Posterior Longitudinal Ligament Differ Based on Myelopathy Severity: A Multicenter Study](#)
10. [Augmented Reality-Mediated Stereotactic Navigation for Execution of *en Bloc* Lumbar Spondylectomy Osteotomies](#)

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: From Bench-Press to Bedside; Should Neurosurgeons Care About Their Strength and Conditioning?](#)
4. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
5. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
6. [Alignment, Classification, Clinical Evaluation, and Surgical Treatment for Adult Cervical Deformity: A Complete Guide](#)
7. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
8. [Letter: A Call to Action: Increasing Black Representation in Neurological Surgery](#)
9. [Incidence, Characteristics and Outcomes of Large Vessel Stroke in COVID-19 Cohort: An International Multicenter Study](#)
10. [Evolution of the Brain: From Behavior to Consciousness in 3.4 Billion Years](#)

OPERATIVE NEUROSURGERY

1. [Transsylvian Insular Glioma Surgery: New Classification System, Clinical Outcome in a Consecutive Series of 79 Cases](#)
2. [Dorsal Root Entry Zone Lesioning for Brachial Plexus Avulsion: A Comprehensive Literature Review](#)
3. [Esse Quam Videri](#)

4. [The Neurological Examination](#)
5. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
6. [Endovascular Treatment of Anterior Circulation Aneurysms With the p64 Flow Modulation Device: Mid- and Long-Term Results in 617 Aneurysms From a Single Center](#)
7. [Essential Neurosurgery for Medical Students: Trauma](#)
8. [Essential Neurosurgery for Medical Students: Spine](#)
9. [Introduction: What Is Neurosurgery?](#)
10. [Essential Neurosurgery for Medical Students: Vascular](#)

WORLD NEUROSURGERY Editor's Choice

1. [Rate and Characteristics of Vertebral Artery Injury Following C1-C2 Posterior Cervical Fusion: A Systematic Review and Meta-Analysis](#)
2. [4-Point C2 Fixation for Occipitocervical Fusion: Technical Case Report](#)
3. [Ethics of Decision-Making in Metastatic Spinal Disease](#)
4. [Cranial Surgical Site Infection Interventions and Prevention Bundles: A Systematic Review of the Literature](#)
5. [Comparisons of Characteristics and Outcomes after Mechanical Thrombectomy for Vertebrobasilar Occlusion with Cardioembolism or Atherosclerotic Brain Infarction: Data from the Tokyo-Tama-Registry of Acute Endovascular Thrombectomy \(TREAT\)](#)
6. [Time to Surgery for Unstable Thoracolumbar Fractures in Latin America—A Multicentric Study](#)