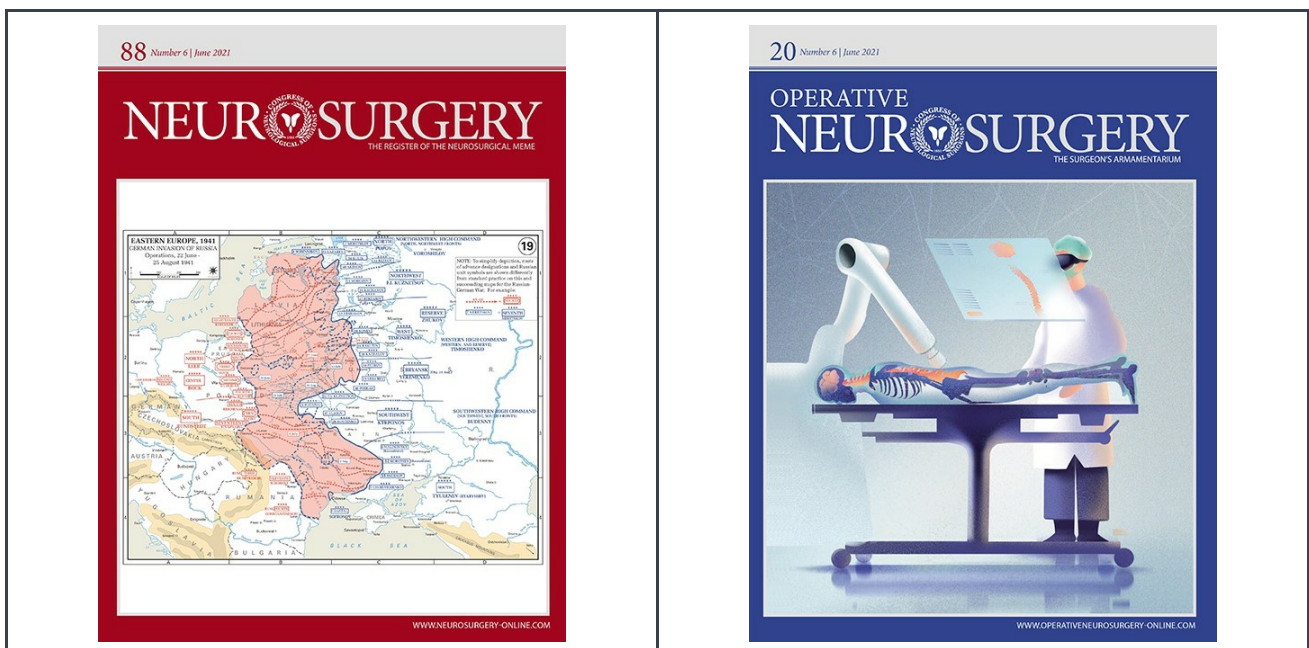




Trending Articles: June 2021

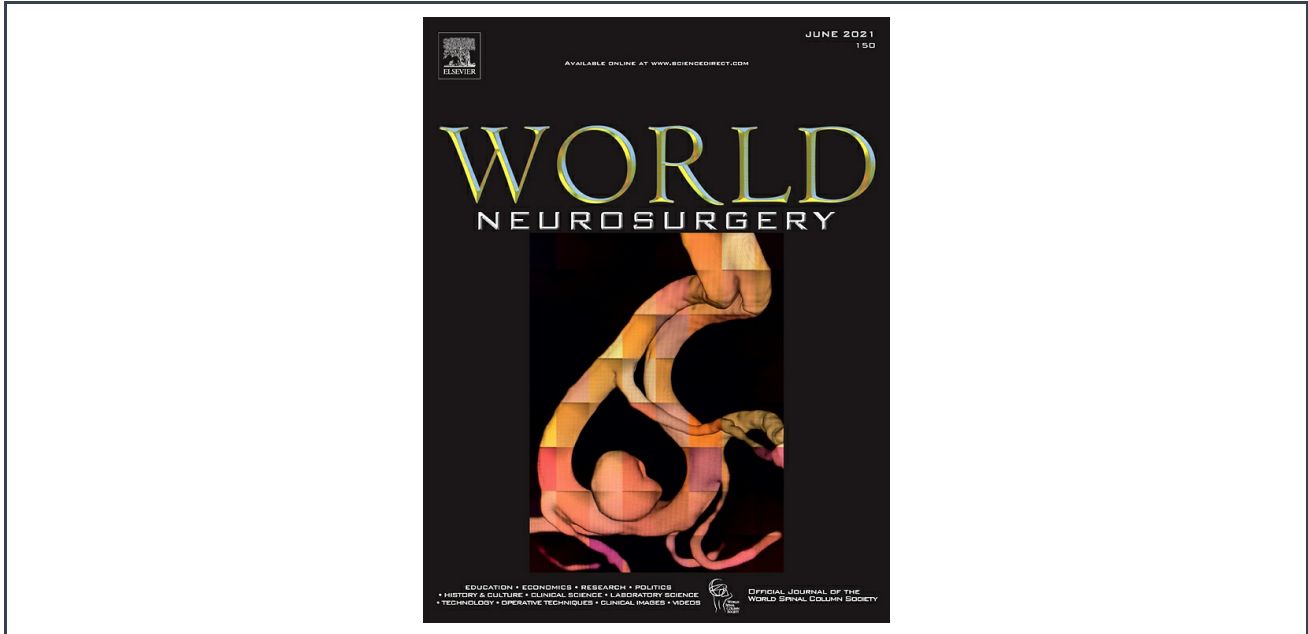
Last Updated: July 14, 2021

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. [The Kempe Incision for Decompressive Craniectomy, Craniotomy, and Cranioplasty in Traumatic Brain Injury and Stroke](#)
2. [Perioperative Prophylactic Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Series of 44 Cases](#)
3. [Cost-effectiveness Analysis in Patients With an Unruptured Cerebral Aneurysm Treated With Observation or Surgery](#)
4. [Dandy's Hemispherectomies: Historical Vignette](#)
5. [Status Epilepticus After Intracranial Neurosurgery: Incidence and Risk Stratification by Perioperative Clinical Features](#)
6. [Cavernous Malformations of the Hypothalamus: A Single-Institution Series of 12 Cases and Review of the Literature](#)
7. [Technical and Operative Factors Affecting Magnetic Resonance Imaging-Guided Focused Ultrasound Thalamotomy for Essential Tremor: Experience From 250 Treatments](#)

8. [The Safety Profile and Angioarchitectural Changes After Acute Targeted Embolization of Ruptured Arteriovenous Malformations](#)
9. [Silent Corticotroph Pituitary Adenomas: Clinical Characteristics, Long-term Outcomes, and Management of Disease Recurrence](#)
10. [Cost-effectiveness of Endovascular Thrombectomy in Patients With Low Alberta Stroke Program Early CT Scores \(< 6\) at Presentation](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Nonoperative Management of Enlarging Syringomyelia in Clinically Stable Patients After Decompression of Chiari Malformation Type I](#)
2. [Responsive Neurostimulation for the Treatment of Medically Refractory Epilepsy in Pediatric Patients: Strategies, Outcomes, and Technical Considerations](#)
3. [MRI-Guided Laser Interstitial Thermal Therapy Using the Visualase System and Navigus Frameless Stereotaxy in an Infant: Technical Case Report](#)
4. [Surgical Management of Intracranial Arachnoid Cysts in Pediatric Patients: Radiological and Clinical Outcome](#)
5. [Treatment Strategies for Hydrocephalus Related to Dandy-Walker Syndrome: Evaluating Procedure Selection and Success Within the Hydrocephalus Clinical Research Network](#)
6. [Incidence of Concussion and Recovery of Neurocognitive Dysfunction on ImPACT Assessment Among Youth Athletes With Premorbid Depression or Anxiety Taking Antidepressants](#)
7. [Complications in Ambulatory Pediatric Patients With Nonidiopathic Spinal Deformity Undergoing Fusion to the Pelvis Using the Sacral-Alar-Iliac Technique Within 2 Years of Surgery](#)
8. [Evaluation of a Patient-Specific Algorithm for Predicting Distribution for Convection-Enhanced Drug Delivery Into the Brainstem of Patients With Diffuse Intrinsic Pontine Glioma](#)
9. [Spinal Column Shortening for Secondary Tethered Cord Syndrome:](#)

Radiographic, Clinical, Patient-Reported, and Urodynamic Short-term Outcomes

10. Hydrocephalus Surveillance Following Shunt Placement or Endoscopic Third Ventriculostomy: A Survey of Surgeons in the Hydrocephalus Clinical Research Networks

JOURNAL OF NEUROSURGERY: SPINE

1. Abnormal Spinal Cord Motion at the Craniocervical Junction in Hypermobile Ehlers-Danlos Patients
2. Safety of Lateral Access to the Concave Side for Adult Spinal Deformity
3. The Minimally Invasive Interbody Selection Algorithm for Spinal Deformity
4. Minimally Invasive Anteroposterior Combined Surgery Using Lateral Lumbar Interbody Fusion Without Corpectomy for Treatment of Lumbar Spinal Canal Stenosis Associated With Osteoporotic Vertebral Collapse
5. Patient Factors That Matter in Predicting Spine Surgery Outcomes: A Machine Learning Approach
6. The Utility of Supine Radiographs in the Assessment of Thoracic Flexibility and Risk of Proximal Junctional Kyphosis
7. Patient-Specific Template-Guided Versus Standard Freehand Lumbar Pedicle Screw Implantation: A Randomized Controlled Trial
8. Identifying Patients at Risk for Nonroutine Discharge After Surgery for Cervical Myelopathy: An Analysis From the Quality Outcomes Database
9. Characterization and Rate of Symptomatic Adjacent-Segment Disease After Index Lateral Lumbar Interbody Fusion: A Single-Institution, Multisurgeon Case Series With Long-term Follow-up
10. The Impact of Pathoanatomical Diagnosis on Elective Spine Surgery Patient Expectations: A Canadian Spine Outcomes and Research

NEUROSURGERY

1. [Guidelines for the Management of Severe Traumatic Brain Injury: 2020 Update of the Decompressive Craniectomy Recommendations](#)
2. [Letter: Guidelines for the Management of Severe Traumatic Brain Injury, Fourth Edition](#)
3. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [A Novel Framework for Network-Targeted Neuropsychiatric Deep Brain Stimulation](#)
6. [New Philosophy, Clinical Pearls and Methods for Intraoperative Cognition Mapping and Monitoring "à la Carte" in Brain Tumor Patients](#)
7. [Letter: The COVID-19 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
8. [Overview of Mechanical Thrombectomy Techniques](#)
9. [The Relationship Between Stimulation Current and Functional Site Localization During Brain Mapping](#)
10. [Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: A Multi-Center Experience of 154 Consecutive Embolizations](#)

OPERATIVE NEUROSURGERY

1. [The Path to Surgical Robotics in Neurosurgery](#)
2. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)

3. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
4. [Surgical Treatment of Bilateral Optic Nerve Sheath Meningioma: 2-Dimensional Operative Video](#)
5. [Essential Neurosurgery for Medical Students: Trauma](#)
6. [Essential Neurosurgery for Medical Students: Spine](#)
7. [Introduction: What Is Neurosurgery?](#)
8. [Robotics in Spine Surgery and Spine Surgery Training](#)
9. [Essential Neurosurgery for Medical Students: Vascular](#)
10. [The Al-Mefty Collection](#)

WORLD NEUROSURGERY

1. [Minimally Invasive Intracerebral Hematoma Evacuation Using a Novel Cost-Effective Tubular Retractor: Single-Center Experience](#)
2. [Radical Exenteration of the Skull Base for End-Stage, Locally Advanced Sinonasal Malignancies: Challenging the Dictum of Unresectability](#)
3. [Single-Session Stereotactic Radiosurgery for Large Benign Meningiomas: Medium-to Long-Term Results](#)
4. [Web-Based Education and Social Media Increase Access to Careers in Neurosurgery: The Lenox Hill Hospital BRAINterns Experience](#)
5. [Appropriate Opioid Use After Spine Surgery: Psychobehavioral Barriers and Patient Knowledge](#)
6. [Characteristics of Global Neurosurgery Sessions: A Retrospective Analysis of Major International Neurosurgical Conferences](#)