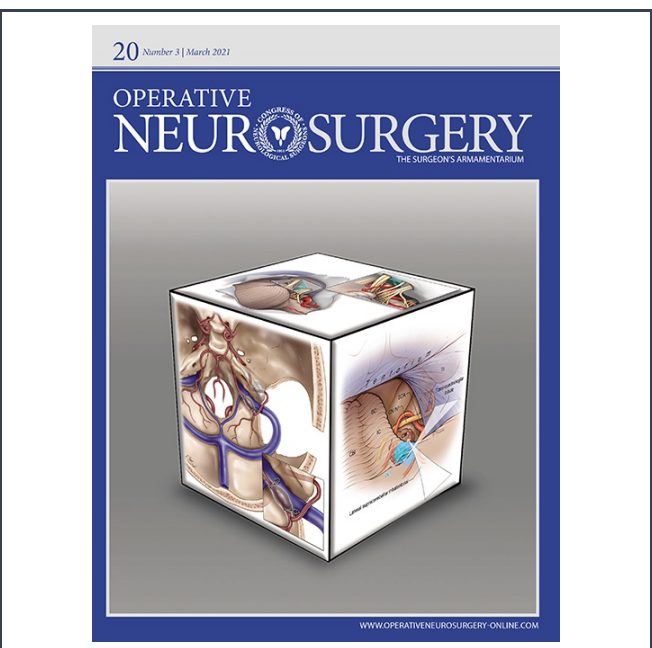




Trending Articles: May 2021

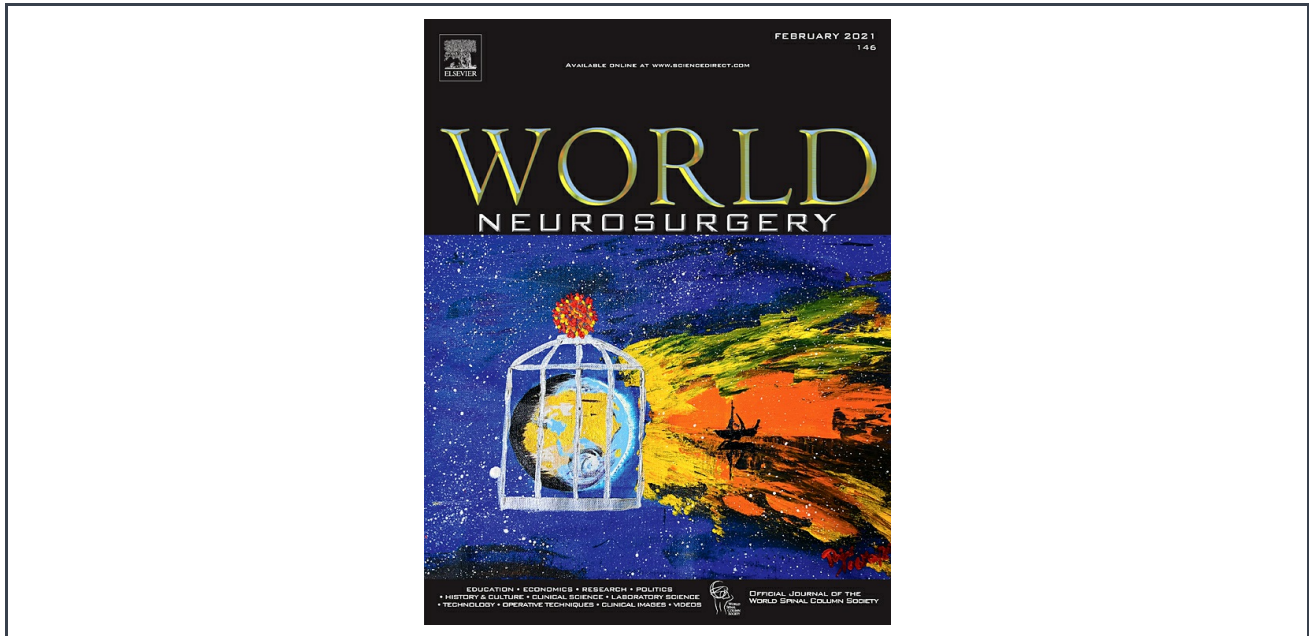
Last Updated: July 14, 2021

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. [Microsurgical Anatomy of the Lateral Posterior Choroidal Artery: Implications for Intraventricular Surgery Involving the Choroid Plexus](#)
2. [Awake CT-Guided Percutaneous Stylomastoid Foramen Puncture and Radiofrequency Ablation of Facial Nerve for Treatment of Hemifacial Spasm](#)
3. [Flow-Diverter Stents in the Early Management of Acutely Ruptured Brain Aneurysms: Effective Rebleeding Protection With Low Thromboembolic Complications](#)
4. [Anterior Insula Stimulation Increases Pain Threshold in Humans: A Pilot Study](#)
5. [Endoscope-Assisted Far-Lateral Transcondylar Approach for Craniocervical Junction Chordomas: A Retrospective Case Series and Cadaveric Dissection](#)
6. [Blood Volume Flow in the Superficial Temporal Artery Assessed by](#)

Duplex Sonography: Predicting Extracranial-Intracranial Bypass Patency in Moyamoya Disease

7. Charcot's Motor Brain Map and 19th-Century Neurosurgery
8. Individualized Blood Pressure Targets in the Postoperative Care of Patients With Intracerebral Hemorrhage
9. Outcomes for Various Dural Graft Materials After Posterior Fossa Decompression With Duraplasty for Chiari Malformation Type I: A Systematic Review and Meta-Analysis
10. Pilot Study on the Effects of Low Intensity Focused Ultrasound in a Swine Model of Neuropathic Pain

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. Robotic Thermocoagulative Hemispherotomy: Concept, Feasibility, Outcomes, and Safety of a New "Bloodless" Technique
2. The Relationship Between Chiari 1.5 Malformation and Sleep-Related Breathing Disorders on Polysomnography
3. Colloid Cysts of the Third Ventricle in Children
4. Tetanic Stimulation of the Pudendal Nerve Prior to Transcranial Electrical Stimulation Augments the Amplitude of Motor Evoked Potentials During Pediatric Neurosurgery
5. Pipeline Embolization of Cerebral Aneurysms in Pediatric Patients: Combined Systematic Review of Patient-Level Data and Multicenter Retrospective Review
6. Targeting Accuracy of Robot-Assisted Deep Brain Stimulation Surgery in Childhood-Onset Dystonia: A Single-Center Prospective Cohort Analysis of 45 Consecutive Cases
7. Association of Hospital Characteristics With Outcomes for Pediatric Neurosurgical Accidental Trauma Patients
8. Resident Operative Experience in Pediatric Neurosurgery Across the United States

9. [Mortality and Functional Outcome After Pediatric Intracerebral Hemorrhage: Cohort Study and Meta-Analysis](#)
10. [What Happens to the Unfused Upper Thoracic Curve After Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis?](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Clinical Outcomes of Nonoperatively Managed Degenerative Cervical Myelopathy: An Ambispective Longitudinal Cohort Study in 117 Patients](#)
2. [Patient-Reported Outcome Improvements at 24-Month Follow-Up After Fusion Added to Decompression for Grade I Degenerative Lumbar Spondylolisthesis: A Multicenter Study Using the Quality Outcomes Database](#)
3. [Perioperative and Swallowing Outcomes in Patients Undergoing 4- and 5-Level Anterior Cervical Discectomy and Fusion](#)
4. [Late-Week Surgery and Discharge to Specialty Care Associated With Higher Costs and Longer Lengths of Stay After Elective Lumbar Laminectomy](#)
5. [Long-Segment Posterior Cervical Decompression and Fusion: Does Caudal Level Affect Revision Rate?](#)
6. [The Differential Effect of Cervical Kyphosis Correction Surgery on Global Sagittal Alignment and Health-Related Quality of Life According to Head- and Trunk-Balanced Subtype](#)
7. [Posterior Spinal Fixation Using Penetrating Endplate Screws in Patients With Diffuse Idiopathic Skeletal Hyperostosis-Related Thoracolumbar Fractures](#)
8. [Intradural Spinal Cord Arteriovenous Shunts in a Personal Series of 210 Patients: Novel Classification With Emphasis on Anatomical Disposition and Angioarchitectonic Distribution, Related to Spinal Cord Histogenetic Units](#)
9. [Outcomes of Decompression Without Fusion in Patients With Lumbar Spinal Stenosis and Substantial Back Pain](#)

10. [Patient-Related and Radiographic Predictors of Inferior Health-Related Quality-of-Life Measures in Adult Patients With Nonoperative Spinal Deformity](#)

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. [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. [New Philosophy, Clinical Pearls and Methods for Intraoperative Cognition Mapping and Monitoring "à la Carte" in Brain Tumor Patients](#)
6. [Alignment, Classification, Clinical Evaluation, and Surgical Treatment for Adult Cervical Deformity: A Complete Guide](#)
7. [Posterior Vertebral Column Subtraction Osteotomy for Recurrent Tethered Cord Syndrome: A Multicenter, Retrospective Analysis](#)
8. [The COVID-19 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
9. [Neuropathology of Pituitary Adenomas and Sellar Lesions](#)
10. [Overview of Mechanical Thrombectomy Techniques](#)

OPERATIVE NEUROSURGERY

1. [The Al-Mefty Collection](#)
2. [Essential Neurosurgery for Medical Students: Spine](#)
3. [Essential Neurosurgery for Medical Students: The Neurological](#)

Examination

4. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
5. [Experience With Ventriculoperitoneal and Lumboperitoneal Shunting for the Treatment of Idiopathic Intracranial Hypertension: A Single Institution Series](#)
6. [Neurosurgical Physiology and Neurocritical Management of the Acute Neurosurgical Patient](#)
7. [The Resection of a Thalamic Pilocytic Astrocytoma Through the Transchoroidal Fissure, Transcallosal Approach: 2-Dimensional Operative Video](#)
8. [Essential Neurosurgery for Medical Students: Vascular](#)
9. [Essential Neurosurgery for Medical Students: Trauma](#)
10. [Recurrent Chordoma Resection in the Advanced Multimodality Image Guided Operating Suite: 2-Dimensional Operative Video](#)

WORLD NEUROSURGERY Editor's Choice

1. [Malpractice Litigation Involving Chiropractic Spinal Manipulation](#)
2. [Comparative Study of the Spinopelvic Alignment in Patients With Idiopathic Lumbar Scoliosis Between Adulthood and Adolescence](#)
3. [Cranioplasty with Autologous Bone Flaps Cryopreserved with Dimethylsulphoxide: Does Tissue Processing Matter](#)
4. [Rheumatoid Arthritis Increases Risk of Medical Complications Following Posterior Lumbar Fusion](#)
5. [Machine Learning–Based Prediction of 6-Month Postoperative Karnofsky Performance Status in Patients with Glioblastoma: Capturing the Real-Life Interaction of Multiple Clinical and Oncologic Factors](#)
6. [Distal Access Catheters for Coaxial Radial Access for Posterior Circulation Interventions](#)

