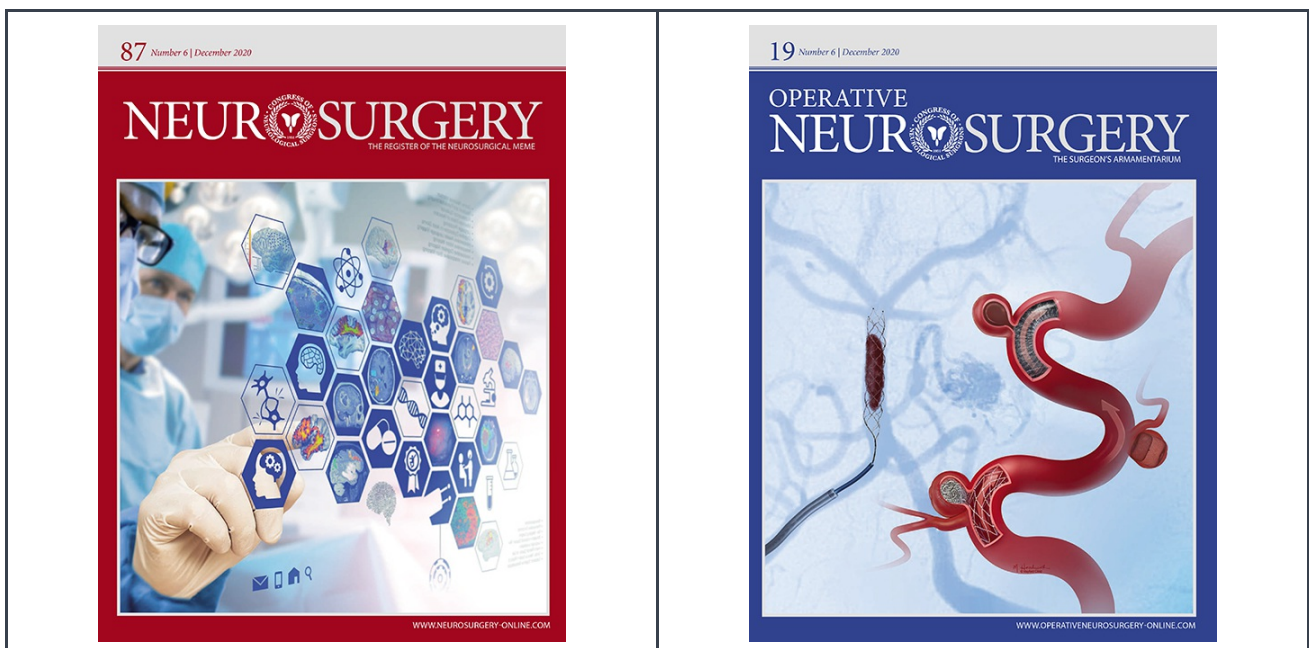




Trending Articles: December 2020

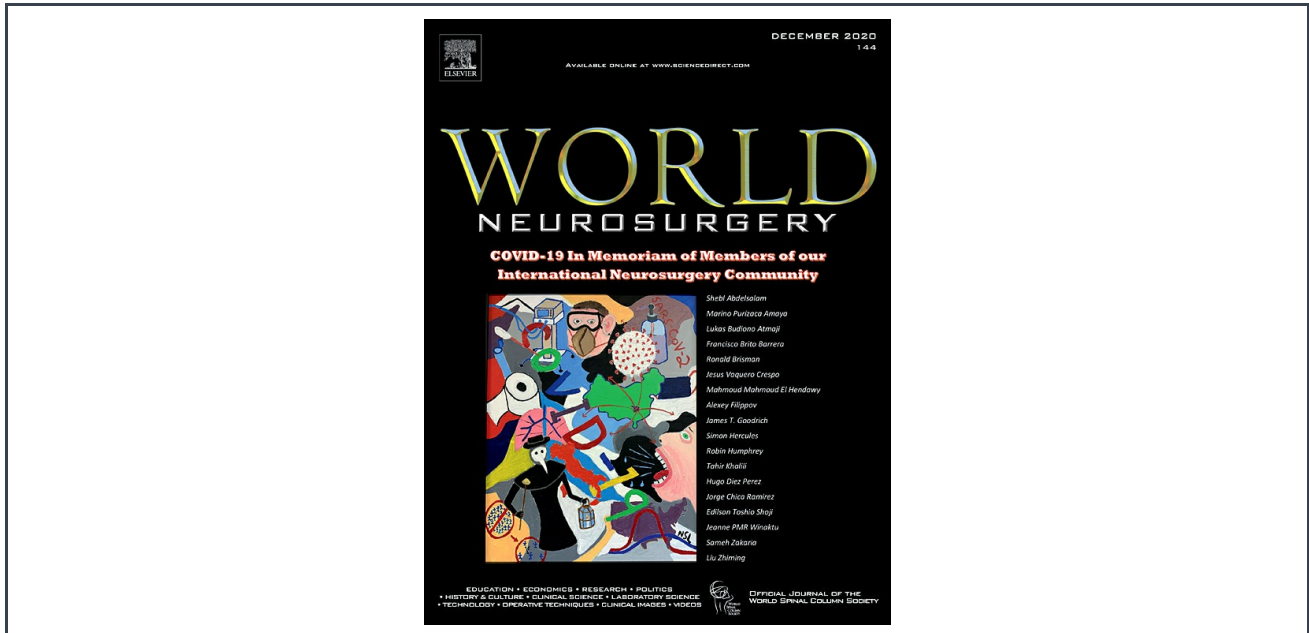
Last Updated: July 14, 2021

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. [Toward an understanding of sexual harassment in neurosurgery](#)
2. [Ballistic lobar trajectory outcomes in civilian firearm penetrating brain injury](#)
3. [Limited utility of 5-ALA optical fluorescence in endoscopic endonasal skull base surgery: a multicenter retrospective study](#)
4. [Assessment of burnout prevention and wellness programs for US-based neurosurgical faculty and residents: a systematic review of the literature](#)
5. [Readmission following extracranial-intracranial bypass surgery in the United States: nationwide rates, causes, risk factors, and volume-driven outcomes](#)
6. [Surgery versus radiosurgery for facial nerve schwannoma: a systematic review and meta-analysis of facial nerve function, postoperative complications, and progression](#)

7. [Mechanical thrombectomy and intravascular imaging for cerebral venous sinus thrombosis: a preclinical model](#)
8. [Recurrent brainstem cavernous malformations following primary resection: blind spots, fine lines, and the right-angle method](#)
9. [Does double-blind peer review impact gender authorship trends? An evaluation of two leading neurosurgical journals from 2010 to 2019](#)
10. [Divergence in the epidemiological estimates of traumatic brain injury in the United States: comparison of two national databases](#)

JOURNAL OF NEUROSURGERY: PEDIATRICS

1. [Expansile duraplasty and obex exploration compared with bone-only decompression for Chiari malformation type I in children: retrospective review of outcomes and complications](#)
2. [Investigation of ventriculoperitoneal shunt disconnection for hydrocephalus treatment](#)
3. [Surgical management of pediatric rolandic arteriovenous malformations: a single-center case series](#)
4. [Successful treatment of non-midline primary malignant germ cell tumors with yolk sac components in neonates: report of 2 cases](#)
5. [Basal encephalocele: surgical strategy and functional outcomes in the Tokyo experience](#)
6. [Mild traumatic brain injury in children with ventricular shunts: a PREDICT study](#)
7. [Effects of race on blood loss in spinal fusions for adolescent idiopathic scoliosis](#)
8. [Long-term outcomes in the treatment of pediatric skull base chordomas in the endoscopic endonasal era](#)
9. [Thalamic deep brain stimulation for acquired dystonia in children and young adults: a phase 1 clinical trial](#)
10. [Knowledge silos in pediatric blunt cerebrovascular injury](#)

JOURNAL OF NEUROSURGERY: SPINE

1. [Is the Goutallier grade of multifidus fat infiltration associated with adjacent-segment degeneration after lumbar spinal fusion?](#)
2. [The use of autologous free vascularized fibula grafts in reconstruction of the mobile spine following tumor resection: surgical technique and outcomes](#)
3. [Ultra-high-molecular-weight polyethylene sublaminar tape as semirigid fixation or pedicle screw augmentation to prevent failure in long-segment spine surgery: an ex vivo biomechanical study](#)
4. [Assessing changes in cervical epidural pressure during biportal endoscopic lumbar discectomy](#)
5. [C7 extension crosswise osteotomy: a novel osteotomy for correction of chin-on-chest deformity in a patient with ankylosing spondylitis](#)
6. [Neurosurgical versus endovascular treatment of spinal dural arteriovenous fistulas: a multicenter study of 195 patients](#)
7. [Patient outcomes and tumor control in single-fraction versus hypofractionated stereotactic body radiation therapy for spinal metastases](#)
8. [Systematic review of telemedicine in spine surgery](#)
9. [A cadaveric precision and accuracy analysis of augmented reality-mediated percutaneous pedicle implant insertion](#)
10. [Postoperative changes in spinal cord signal intensity in patients with spinal cord injury without major bone injury: comparison between preoperative and postoperative magnetic resonance images](#)

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. [Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Treatment of Pediatric Hydrocephalus: Update of the 2014 Guidelines](#)
4. [Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary](#)
5. [Amygdala and Hypothalamus: Historical Overview With Focus on Aggression](#)
6. [The Glioma-Network Interface: A Review of the Relationship Between Glioma Molecular Subtype and Intratumoral Function](#)
7. [Letter: The Coronavirus Disease 2019 Global Pandemic: A Neurosurgical Treatment Algorithm](#)
8. [An Update on Medications for Brain Arteriovenous Malformations](#)
9. [Introduction: Surgical Management of Eloquent Area Tumors](#)
10. [Overview of Mechanical Thrombectomy Techniques](#)

OPERATIVE NEUROSURGERY

1. [From Classic to Complex, the Game-Changing Endovascular Breakthroughs for Cerebrovascular Disease](#)
2. [Essential Neurosurgery for Medical Students: Trauma](#)
3. [The Effects of Postoperative Neurological Deficits on Survival in Patients With Single Brain Metastasis](#)
4. [The Supraorbital Eyebrow Craniotomy for Intra- and Extra-Axial Brain Tumors: A Single-Center Series and Technique Modification](#)
5. [Essential Neurosurgery for Medical Students: Spine](#)
6. [Essential Neurosurgery for Medical Students: The Neurological Examination](#)
7. [Ten-Step Minimally Invasive Spine Lumbar Decompression and Dural Repair Through Tubular Retractors](#)

8. [Essential Neurosurgery for Medical Students: Introduction: Tumor](#)
9. [Posterior Cervical Decompression and Instrumented Fusion for Cervical Spondylotic Myelopathy: 2-Dimensional Operative Video](#)
10. [Essential Neurosurgery for Medical Students: Epilepsy, Functional Neurosurgery, and Pain](#)

WORLD NEUROSURGERY Editor's Choice

1. [Evaluating the Safety and Efficacy of Various Endovascular Approaches for Treatment of Infectious Intracranial Aneurysms: A Systematic Review](#)
2. [Clinico-Radiologic Outcomes After Stereotactic Radiosurgery for Patients with Complex High-Risk Multiple Arteriovenous Malformations](#)
3. [Comparison of Clinical and Radiologic Outcome Between Mini-Open Wiltse Approach and Fluoroscopic-Guided Percutaneous Pedicle Screw Placement: A Randomized Controlled Trial](#)
4. [Risk Factors Associated with Symptomatic Deep Vein Thrombosis Following Elective Spine Surgery: A Case-Control Study](#)
5. [Stereotactic Brain Biopsy Hemorrhage Risk Factors and Implications for Postoperative Care at a Single Institution: An Argument For Postoperative Imaging](#)
6. [Risk Factors for Hyponatremia and Perioperative Complications With Malignant Intracranial Tumor Resection in Adults: An Analysis of the Nationwide Inpatient Sample from 2012 to 2015](#)