

## SCIENCE TIMES

**The DEFUSE Trial: An Even Brighter DAWN for Patients With Acute Stroke and An Invigorated Role for Neurosurgeons in Acute Stroke Care** 1

Fucheng Tian, Karl R. Abi-Aad, Chandan Krishna, Bernard R. Bendok

**Machine-Learning Models: The Future of Predictive Analytics in Neurosurgery**

G. Damian Brusko, John Paul G. Kolcun, Michael Y. Wang

**Local Immunotherapy for Malignancy: A Role for Brain Tumors?**

Kevin Kwan, Lukas Falting, Julia R. Schneider, John A. Boockvar

**A Randomized Trial of Second-Generation Hydrogel Neurovascular Coils**

Benjamin Zussman, Gregory Weiner, Andrew Ducruet

**The Genetics of Space Travel**

Reid Hoshide, Rahul Jandial

**Magnetic Resonance Imaging of Human Dural Meningeal Lymphatics**

Ronak H. Jani, Raymond F. Sekula, Jr

**Deep Brain Stimulation for Tourette Syndrome**

Camilo E. Peña, Amir H. Faraji, R. Mark Richardson

**Somatic KRAS Mutation Found in Sporadic Arteriovenous Malformations**

Robert M. Starke, David McCarthy, Ricardo J. Komotar, E. Sander Connolly



### On the Cover

This month's cover highlights the squid giant axon. Squid, which have highly developed nervous systems, have the largest known nerve cell of any animal at roughly 1 mm in diameter and up to 1 m long! Used since the 1930s to study the nervous system, squid nerves have allowed us to gain valuable insight

into the working of our own nerves, and were crucial to our understanding of action potential. All squids used in scientific research are wild-caught because we do not know how to breed them in captivity. Information from <http://www.understandinganimalresearch.org.uk/animals/10-facts/squid/>. Image modified from Comingio Mercuriano (1845–1915) - Jatta di Guisepppe (1896) *Cefalopodi viventi nel Golfo di Napoli (sistemica)*, Berlin: R. Friedländer & Sohn. Public Domain.



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## REGISTRAR

### CNS Spotlight: Enhancing *Neurosurgery* With Links to the CNS Web of Knowledge

2

Ashok R. Asthagiri, Clemens M. Schirmer, Jennifer A. Sweet, Brandon J. Fiedor, Trish Rehring, Megan A. Fogleson, Nelson M. Oyesiku

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## NEURORADIOLOGY REVIEW SERIES

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### 5

#### EDITOR'S CHOICE

##### Cerebrovascular Imaging: Which Test is Best?

Amy Lin, Sapna Rawal, Ronit Agid, Daniel M. Mandell

Optimal diagnosis and characterization of cerebrovascular disease requires selection of the appropriate imaging exam for each clinical situation. In this review, we focus on intracranial arterial disease and discuss the techniques in current clinical use for imaging the blood vessel lumen and blood vessel wall, and for mapping cerebral hemodynamic impairment at the tissue level. We then discuss specific strategies for imaging intracranial aneurysms, arteriovenous malformations, dural arterial venous fistulas, and arterial steno-occlusive disease.

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## REVIEWS

### A Direct Aspiration First Pass Technique vs Standard Endovascular Therapy for Acute Stroke: A Systematic Review and Meta-Analysis

19

Kevin Phan, Adam A. Dmytriw, Ian Teng, Justin M. Moore, Christoph Griessenauer, Christopher Ogilvy, Ajith Thomas

### Neurosurgical Patients as Human Research Subjects: Ethical Considerations in Intracranial Electrophysiology Research

29

Winston Chiong, Matthew K. Leonard, Edward F. Chang

---

## RESEARCH—HUMAN—CLINICAL STUDIES

### Malignant Peripheral Nerve Sheath Tumors are not a Feature of Neurofibromatosis Type 2 in the Unirradiated Patient

38

Andrew T. King, Scott A. Rutherford, Charlotte Hammerbeck-Ward, Simon K. Lloyd, Simon R. Freeman, Omar N. Pathmanaban, Mark Kellett, Rupert Obholzer, Shazia Afridi, Patrick Axon, Dorothy Halliday, Allyson Parry, Owen M. Thomas, Roger D. Laitt, Martin G. McCabe, Stavros Stivaros, Sara Erridge, D. Gareth Evans, on behalf of The English Specialist NF2 research group

### Characteristics of Unruptured Compared to Ruptured Intracranial Aneurysms: A Multicenter Case-Control Study

43

Isabel C. Hostettler, Varinder S. Alg, Nichole Shahi, Fatima Jichi, Stephen Bonner, Daniel Walsh, Diederik Bulters, Neil Kitchen, Martin M. Brown, Henry Houlden, Joan Grieve, David J. Werring, on behalf of the Genetics and Observational Subarachnoid Haemorrhage (GOSH) Study investigators

---

**Overlapping Surgeries Are Not Associated With Worse Patient Outcomes: Retrospective Multivariate Analysis of 14 872 Neurosurgical Cases Performed at a Single Institution** 53  
Michael A. Bohl, Michael A. Mooney, John P. Sheehy, Abigail M. Cantwell, Steve W. Chang, Kristina M. Chapple, U. Kumar Kakarla, Robert F. Spetzler

## COMMENTARY

**Commentary: Overlapping Surgeries Are Not Associated With Worse Patient Outcomes: Retrospective Multivariate Analysis of 14 872 Neurosurgical Cases Performed at a Single Institution** 60  
Jian Guan, Richard H. Schmidt

## RESEARCH-HUMAN-CLINICAL STUDIES

**Accuracy in Identifying the Source of Subarachnoid Hemorrhage in the Setting of Multiple Intracranial Aneurysms** 62  
Jennifer L. Orning, Sophia F. Shakur, Ali Alaraj, Mandana Behbahani, Fady T. Charbel, Victor A. Aletich, Sepideh Amin-Hanjani

**After 9 Years of 3-Column Osteotomies, Are We Doing Better? Performance Curve Analysis of 573 Surgeries With 2-Year Follow-up** 69  
Bassel G. Diebo, Virginie Lafage, Jeffrey J. Varghese, Munish Gupta, Han Jo Kim, Christopher Ames, Khaled Kebaish, Christopher Shaffrey, Richard Hostin, Ibrahim Obeid, Doug Burton, Robert A. Hart, Renaud Lafage, Frank J. Schwab, on behalf of the International Spine Study Group (ISSG) of Denver, Colorado

**Thalamic Glioblastoma: Clinical Presentation, Management Strategies, and Outcomes** 76  
Yoshua Esquenazi, Nelson Moussazadeh, Thomas W. Link, Koos E. Hovinga, Anne S. Reiner, Natalie M. DiStefano, Cameron Brennan, Philip Gutin, Viviane Tabar

**Long-Term Follow-up Study of MRI-Guided Bilateral Anterior Capsulotomy in Patients With Refractory Anorexia Nervosa** 86  
Wei Liu, Dianyou Li, Fafa Sun, Xiaoxiao Zhang, Tao Wang, Shikun Zhan, Yixin Pan, Peng Huang, Haiyan Jin, Yongchao Li, Bomin Sun

**Frontal Lobe Epilepsy Surgery in Childhood and Adolescence: Predictors of Long-Term Seizure Freedom, Overall Cognitive and Adaptive Functioning** 93  
Georgia Ramantani, Navah Ester Kadish, Hans Mayer, Constantin Anastasopoulos, Kathrin Wagner, Gitta Reuner, Karl Strobl, Susanne Schubert-Bast, Gert Wiegand, Armin Brandt, Rudolf Korinthenberg, Irina Mader, Vera van Velthoven, Josef Zentner, Andreas Schulze-Bonhage, Thomas Bast

**Preoperative Nomograms Predict Patient-Specific Cervical Spine Surgery Clinical and Quality of Life Outcomes** 104  
Daniel Lubelski, Vincent Alentado, Amy S. Nowacki, Michael Shriver, Kalil G. Abdullah, Michael P. Steinmetz, Edward C. Benzel, Thomas E. Mroz

**Staged Stereotactic Radiosurgery for Large Brain Metastases: Local Control and Clinical Outcomes of a One-Two Punch Technique** 114  
Ammoren Dohm, Emory R. McTyre, Catherine Okoukoni, Adrianna Henson, Christina K. Cramer, Michael C. LeCompte, Jimmy Ruiz, Michael T. Munley, Shadi Qasem, Hui-Wen Lo, Fei Xing, Kounosuke Watabe, Adrian W. Laxton, Stephen B. Tatter, Michael D. Chan

**ASPECTS, Large Vessel Occlusion, and Time of Symptom Onset: Estimation of Eligibility for Endovascular Therapy** 122

Maxim Mokin, Aparna Pendurthi, Vladimir Ljubimov, William S. Burgin, Adnan H. Siddiqui, Elad I. Levy, Christopher T. Primiani

**Evaluation of Prognostic Factors for Early Mortality After Stereotactic Radiosurgery for Brain Metastases: a Single Institutional Retrospective Review** 128

E. Emily Bennett, Michael A. Vogelbaum, Gene H. Barnett, Lilyana Angelov, Samuel Chao, Erin Murphy, Jennifer Yu, John H. Suh, Paul Elson, Glen H. J. Stevens, Alireza M. Mohammadi

**The Subarachnoid Hemorrhage Early Brain Edema Score Predicts Delayed Cerebral Ischemia and Clinical Outcomes** 137

Sung-Ho Ahn, Jude P. Savarraj, Mubashir Pervez, Wesley Jones, Jin Park, Sang-Beom Jeon, Sun U. Kwon, Tiffany R. Chang, Kiwon Lee, Dong H. Kim, Arthur L. Day, H. Alex Choi

**RESEARCH-HUMAN-STUDY PROTOCOLS**

**An Open-Label, Analgesic Efficacy and Safety of Pituitary Radiosurgery for Patients With Opioid-Refractory Pain: Study Protocol for a Randomized Controlled Trial** 146

Pierre-Yves Borius, Stéphanie Ranque Garnier, Karine Baumstarck, Frédéric Castinetti, Anne Donnet, Eric Guedj, Philippe Cornu, Serge Blond, Sébastien Salas, Jean Régis

**CASE REPORT**

**Posterior Reversible Encephalopathic Syndrome in the Setting of Induced Elevated Mean Arterial Pressure in Patients With Spinal Cord Injury** 154

Alexander C. Whiting, Manuel P. Fanarjian, Randall J. Hlubek, Jakub Godzik, U. Kumar Kakarla, Nicholas Theodore

**BOOK REVIEWS**

**Book Review: Brain Arteriovenous Malformations: Pathogenesis, Epidemiology, Diagnosis, Treatment and Outcome** 155

Issam A. Awad

**Book Review: Clinical Radiology of Head and Neck Tumors**

Xin Wu

**CORRESPONDENCE**

**Commentary: Neurological Surgery at Vanderbilt University: 1873 to Present** 156

Patrick D. Kelly, Scott L. Zuckerman, Lola B. Chambless, Timothy P. Schoettle, John C. Wellons, III, Reid C. Thompson

**Letter: Long-Term Follow-up Study of MRI-Guided Bilateral Anterior Capsulotomy in Patients With Refractory Anorexia Nervosa**

Marc Zanello, Philibert Duriez, Johan Pallud, Alexandre Roux, Tarek Sharshar, Philip Gorwood, Bertrand Devaux

**In Reply: Long-Term Follow-up Study of MRI-Guided Bilateral Anterior Capsulotomy in Patients With Refractory Anorexia Nervosa**

Chencheng Zhang, Dianyou Li, Guozhen Lin, Bomun Sun

**Letter: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery**

Saeid Safiri

**In Reply: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery**

Scott L. Zuckerman, Nikita Lakomkin, Constantinos G. Hadjipanayis, Christopher I. Shaffrey, Justin S. Smith, Joseph S. Cheng

**Letter: Epidural Steroid Injection-Induced Menorrhagia: An Under-recognized Complication Associated With a Common Spinal Intervention**

Ketan Yerneni, John F. Burke, Lee A. Tan

**Letter: Angio-Architectural Features of High-Grade Intracranial Dural Arteriovenous Fistulas: Correlation With Aggressive Clinical Presentation and Hemorrhagic Risk**

Sandra A. Cornelissen, Leonard L. L. Yeo, Michael Söderman

**In Reply: Angio-Architectural Features of High-Grade Intracranial Dural Arteriovenous Fistulas: Correlation With Aggressive Clinical Presentation and Hemorrhagic Risk**

Giuseppe Maria Della Pepa

**Letter: Cranial Chordoma: A New Preoperative Grading System**

Ming-Xiang Zou, Fu-Sheng Liu, Guo-Hua Lv, Xiao-Bin Wang, Jing Li

**In Reply: Cranial Chordoma: A New Preoperative Grading System**

Harley Brito da Silva, Laligam N. Sekhar

**Letter: Patient-Reported Outcome Measures in Neurosurgery: A Review of the Current Literature**

Silvia Schiavolin, Morgan Broggi, Paolo Ferroli, Matilde Leonardi, Alberto Raggi

**In Reply: Patient-Reported Outcome Measures in Neurosurgery: A Review of the Current Literature**

Harutomo Hasegawa, Prajwal Ghimire, Keyoumars Ashkan

**DEPARTMENTS**

Calendar of Events

157

Table of Contents by Topic

N1

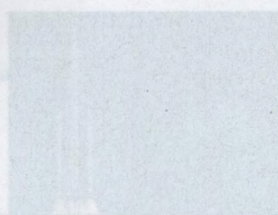
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N3

Marc Zandlo, Philibert Duriez, Johari Rajaratnam, Alexandre Roux, Tarek Sharshar, Phillip Gorwood, Bertrand Devaux

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In Reply: Long-Term Follow-up Study of Unilateral Bilateral  
With Refractory Anorexia Nervosa

Chunsheng Zhang, Dianyou Li, Guozhen Liu, Weimin Sun  
Advance registration deadline: September 8



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