

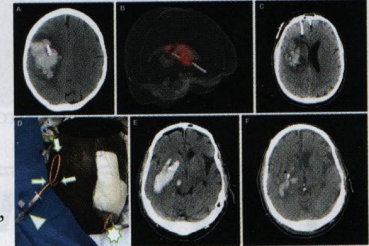
## RESEARCH—HUMAN—CLINICAL TRIALS

1157

### EDITOR'S CHOICE

#### Surgical Performance Determines Functional Outcome Benefit in the Minimally Invasive Surgery Plus Recombinant Tissue Plasminogen Activator for Intracerebral Hemorrhage Evacuation (MISTIE) Procedure

Issam A. Awad, Sean P. Polster, Julián Carrión-Penagos, Richard E. Thompson, Ying Cao, Agnieszka Stadnik, Patricia Lynn Money, Maged D. Fam, Janne Koskimäki, Romuald Girard, Karen Lane, Nichol McBee, Wendy Ziai, Yi Hao, Robert Dodd, Andrew P. Carlson, Paul J. Camarata, Jean-Louis Caron, Mark R. Harrigan, Barbara A. Gregson, A. David Mendelow, Mario Zuccarello, Daniel F. Hanley, on behalf of the MISTIE III Trial Investigators



## PEDIATRIC SEVERE TRAUMATIC BRAIN INJURY GUIDELINES

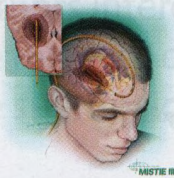
#### Guidelines for the Management of Pediatric Severe Traumatic Brain Injury, Third Edition: Update of the Brain Trauma Foundation Guidelines, Executive Summary 1169

Patrick M. Kochanek, Robert C. Tasker, Nancy Carney, Annette M. Totten, P. David Adelson, Nathan R. Selden, Cynthia Davis-O'Reilly, Erica L. Hart, Michael J. Bell, Susan L. Bratton, Gerald A. Grant, Niranjana Kissoon, Karin E. Reuter-Rice, Monica S. Vavilala, Mark S. Wainwright

## REVIEWS IN SPINAL SURGERY

#### Image-Guided Navigation and Robotics in Spine Surgery 1179

Ryan B. Kochanski, Joseph M. Lombardi, Joseph L. Laratta, Ronald A. Lehman, John E. O'Toole



#### On the Cover

This month's cover shows an artistic rendition of the *Minimally Invasive Surgery Plus Thrombolysis for Intracerebral Hemorrhage Evacuation (MISTIE)* catheter allowing evacuation of a supratentorial intracranial hemorrhage (ICH). The MISTIE III trial

surgical analyses presented in this issue are the first to define thresholds for reduction of ICH volume correlating with improved functional outcomes. To realize the benefit of surgery, protocol objectives, surgeon education, technical enhancements, and case selection are key to achieving better outcomes in this devastating disease. Read more on p. 1157.



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## REVIEW

- Is the use of Stereotactic Electroencephalography Safe and Effective in Children? A Meta-Analysis of the use of Stereotactic Electroencephalography in Comparison to Subdural Grids for Invasive Epilepsy Monitoring in Pediatric Subjects** 1190  
Matthew F. Sacino, Sean S. Huang, John Schreiber, William D. Gaillard, Chima O. Oluigbo

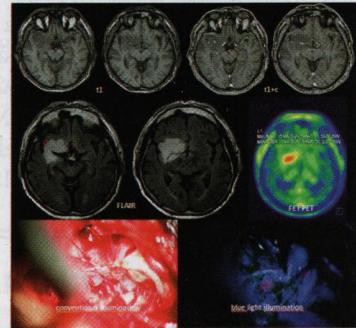
## RESEARCH—HUMAN—CLINICAL STUDIES

- OPEN** **Global Effects of Focal Brain Tumors on Functional Complexity and Network Robustness: A Prospective Cohort Study** 1201  
Michael G. Hart, Rafael Romero-Garcia, Stephen J. Price, John Suckling

**1214**

### EDITOR'S CHOICE

- OPEN** **Is Visible Aminolevulinic Acid-Induced Fluorescence an Independent Biomarker for Prognosis in Histologically Confirmed (World Health Organization 2016) Low-Grade Gliomas?**  
Mohammed Jaber, Christian Ewelt, Johannes Wölfer, Benjamin Brokinkel, Christian Thomas, Martin Hasselblatt, Oliver Grauer, Walter Stummer



- OPEN** **Effect of Spinal Cord Stimulation on Early Disability Pension in 198 Failed Back Surgery Syndrome Patients: Case-Control Study** 1225  
Hanna Kaijankoski, Mette Nissen, Tiina-Mari Ikäheimo, Mikael von Und Zu Fraunberg, Olavi Airaksinen, Jukka Huttunen

## COMMENTARY (ONLINE ONLY)

- Commentary: Effect of Spinal Cord Stimulation on Early Disability Pension in 198 Failed Back Surgery Syndrome Patients: Case-Control Study** E291  
Massimiliano Visocchi

## RESEARCH—HUMAN—CLINICAL STUDIES

- Two-Year Clinical, Cerebral Hemodynamic, and Cognitive Outcomes of Adult Patients Undergoing Medication Alone for Symptomatically Ischemic Moyamoya Disease Without Cerebral Misery Perfusion: A Prospective Cohort Study** 1233  
Kenya Miyoshi, Kohei Chida, Masakazu Kobayashi, Yoshitaka Kubo, Kenji Yoshida, Kazunori Terasaki, Kuniaki Ogasawara

- Surgical Resection With Radiation Treatment Planning of Spinal Tumors** 1242  
Raphael Jakubovic, Mark Ruschin, Chia-Lin Tseng, Ana Pejović-Milić, Arjun Sahgal, Victor XD Yang

- Economic Impact of Aging on the Initial Spine Care of Patients With Acute Spine Trauma: From Bedside to Teller** 1251  
Julio C. Furlan, Michael G. Fehlings, B. Catharine Craven



**Differences in Pressure Within the Sac of Human Ruptured and Nonruptured Cerebral Aneurysms** 1261  
Yiping Li, Mark Corriveau, Beverly Aagaard-Kienitz, Azam Ahmed, David Niemann

**OPEN**

**Persistent Metabolic Disturbance in the Perihemorrhagic Zone Despite a Normalized Cerebral Blood Flow Following Surgery for Intracerebral Hemorrhage** 1269  
Lovisa Tobieson, Sandro Rossitti, Peter Zsigmond, Jan Hillman, Niklas Marklund

**Cost Transparency in Neurosurgery: A Single-Institution Analysis of Patient Out-of-Pocket Spending in 13 673 Consecutive Neurosurgery Cases** 1280  
Michael A. Mooney, Seungwon Yoon, Tyler Cole, John P. Sheehy, Michael A. Bohl, F. David Barranco, Peter Nakaji, Andrew S. Little, Michael T. Lawton

**Repair of Temporal Bone Defects via the Middle Cranial Fossa Approach: Treatment of 2 Pathologies With 1 Operation** 1290  
Daniel B. Eddelman, Stephan Munich, Ryan B. Kochanski, Michael Eggerstedt, Robert P. Kazan, Roham Moftakhar, Lorenzo Munoz, Rich W. Byrne, R. Mark Wiet

**Microcatheter "First-Pass Effect" Predicts Acute Intracranial Artery Atherosclerotic Disease-Related Occlusion** 1296  
Ting-Yu Yi, Wen-Huo Chen, Yan-Min Wu, Mei-Fang Zhang, A-lai Zhan, Yue-Hong Chen, Zong-Zhong Wu, Yan-Chuan Shi, Bai-Ling Chen

**Are Fetal-Type Posterior Cerebral Arteries Associated With an Increased Risk of Posterior Communicating Artery Aneurysms?** 1306  
Peeraphong Thiarawat, Behnam Rezai Jahromi, Danil A. Kozyrev, Patcharin Intarakhao, Mario K. Teo, Joham Choque-Velasquez, Mika Niemelä, Juha Hernesniemi

**Petrosal Meningiomas: Factors Affecting Outcome and the Role of Intraoperative Multimodal Assistance to Microsurgery** 1313  
Francesco Tomasello, Filippo Flavio Angileri, Alfredo Conti, Antonino Scibilia, Salvatore Cardali, Domenico La Torre, Antonino Germanò

## **RESEARCH—HUMAN—CLINICAL STUDIES (ONLINE ONLY)**

**NOW** **Metabolic Positron Emission Tomography Response to Gamma Knife of the Ventral Intermediate Nucleus in Essential Tremor** E294  
Antoine Verger, Tatiana Witjas, Romain Carron, Alexandre Eusebio, Emmanuelle Boutin, Jean-Philippe Azulay, Jean Regis, Eric Guedj

**NOW** **Venous Thromboembolism in Patients With Spontaneous Intracerebral Hemorrhage: A Multicenter Study** E304  
Dale Ding, Padmini Sekar, Charles J. Moomaw, Mary E. Comeau, Michael L. James, Fernando Testai, Matthew L. Flaherty, Anastasia Vashkevich, Bradford B. Worrall, Daniel Woo, Jennifer Osborne

**NOW** **Somatotomy and Organization of Spinothalamic Tracts in the Human Cervical Spinal Cord** E311  
Aditya Vedantam, Eduardo Bruera, Kenneth R. Hess, Patrick M. Dougherty, Ashwin Viswanathan

**NOW** **Clinical Impact of the Immune Microenvironment in Spinal Chordoma: Immunoscore as an Independent Favorable Prognostic Factor** E318  
Ming-Xiang Zou, Guo-Hua Lv, Xiao-Bin Wang, Wei Huang, Jing Li, Yi Jiang, Xiao-Ling She



- NOW** **Impact of Aneurysm Multiplicity on Treatment and Outcome After Aneurysmal Subarachnoid Hemorrhage** E334  
 Michel Roethlisberger, Rita Achermann, Schatlo Bawarjan, Martin N. Stienen, Christian Fung, Donato D'Alonzo, Nicolai Maldaner, Andrea Ferrari, Marco V. Corniola, Daniel Schöni, Johannes Goldberg, Daniele Valsecchi, Thomas Robert, Rodolfo Maduri, Martin A. Seule, Jan-Karl Burkhardt, Serge Marbacher, Philippe Bijlenga, Kristine A. Blackham, Heiner C. Bucher, Luigi Mariani, Raphael Guzman, Daniel W. Zumofen, on behalf of the Swiss SOS group
- NOW** **Posterior Approach and Spinal Cord Release for 360° Repair of Dural Defects in Spontaneous Intracranial Hypotension** E345  
 Jürgen Beck, Andreas Raabe, Wouter I. Schievink, Christian Fung, Jan Gralla, Eike Piechowiak, Kathleen Seidel, Christian T. Ulrich
- NOW** **Cerebral Aneurysms in Autosomal Dominant Polycystic Kidney Disease: A Comparison of Management Approaches** E352  
 D. Andrew Wilkinson, Michael Heung, Amrit Deol, Neeraj Chaudhary, Joseph J. Gemmete, B. Gregory Thompson, Aditya S. Pandey
- NOW** **Thoracolumbar Injury Classification and Severity Score in Children: A Validity Study** E362  
 Ross L. Dawkins, Joseph H. Miller, Sarah T. Menacho, Omar I. Ramadan, Michael C. Lysek, Elizabeth N. Kuhn, R. Shane Tubbs, Marion L. Walker, Beverly C. Walters, Bonita S. Agee, Curtis J. Rozzelle
- NOW** **Epilepsy Surgery in the First 3 Years of Life: Predictors of Seizure Freedom and Cognitive Development** E368  
 Navah Ester Kadish, Thomas Bast, Gitta Reuner, Kathrin Wagner, Hans Mayer, Susanne Schubert-Bast, Gert Wiegand, Karl Strobl, Armin Brandt, Rudolf Korinthenberg, Vera van Velthoven, Andreas Schulze-Bonhage, Josef Zentner, Georgia Ramantani
- NOW** **Clinimetric Properties and Minimal Clinically Important Differences for a Battery of Gait, Balance, and Cognitive Examinations for the Tap Test in Idiopathic Normal Pressure Hydrocephalus** E378  
 Ryan Gallagher, Jodie Marquez, Peter Osmotherly
- NOW** **Relationship Between Aneurysm Wall Enhancement in Vessel Wall Magnetic Resonance Imaging and Rupture Risk of Unruptured Intracranial Aneurysms** E385  
 Nan Lv, Christof Karmonik, Shiyue Chen, Xinrui Wang, Yibin Fang, Qinghai Huang, Jianmin Liu
- NOW** **Returns to Operating Room After Neurosurgical Procedures in a Tertiary Care Academic Medical Center: Implications for Health Care Policy and Quality Improvement** E392  
 Panagiotis Kerezoudis, Amy E. Glasgow, Mohammed Ali Alvi, Robert J. Spinner, Fredric B. Meyer, Mohamad Bydon, Elizabeth B. Habermann
- NOW** **Multicenter Study of Pipeline Flex for Intracranial Aneurysms** E402  
 Leonardo B. C. Brasiliense, Pedro Aguilar-Salinas, Demetrius K. Lopes, Danilo Nogueira, Keith DeSousa, Peter K. Nelson, Christopher J. Moran, Marcus D. Mazur, Philipp Tausky, Min S. Park, Guilherme Dabus, Italo Linfante, Imran Chaudry, Ray D. Turner, Alex M. Spiotta, Aquilla S. Turk, Adnan H. Siddiqui, Elad I. Levy, L. Nelson Hopkins, Adam S. Arthur, Christopher Nickele, Douglas Gonsales, Eric Sauvageau, Ricardo A. Hanel



## COMMENTARIES (ONLINE ONLY)

**Commentary: Multicenter Study of Pipeline Flex for Intracranial Aneurysms**  
Joseph J. Gemmete

E410

**Commentary: Multicenter Study of Pipeline Flex for Intracranial Aneurysms**  
Charles J. Prestigiacomo

E412

## RESEARCH—HUMAN—STUDY PROTOCOLS (ONLINE ONLY)

NOW

**Intraoperative photoDYNAMIC Therapy for GliOblastomas (INDYGO): Study Protocol for a Phase I Clinical Trial**

E414

Clément Dupont, Maximilien Vermandel, Henri-Arthur Leroy, Mathilde Quidet, Fabienne Lecomte, Nadira Delhem, Serge Mordon, Nicolas Reyns

## RESEARCH—ANIMAL (ONLINE ONLY)

NOW

**Convection-Enhanced Delivery of Muscimol Into the Bilateral Subthalamic Nuclei of Nonhuman Primates**

E420

John D. Heiss, Stuart Walbridge, Davis P. Argersinger, Christopher S. Hong, Abhik Ray-Chaudhury, Russell R. Lonser, W. Jeffrey Elias, Kareem A. Zaghloul

## CASE REPORT

**Progression of Low-Grade Glioma During Pregnancy With Subsequent Regression Postpartum Without Treatment—A Case Report**

1325

Amar S. Shah, Lisa K. Nicoletti, Elvira Kurtovic, Christina I. Tsien, Tammie L.S. Benzinger, Michael R. Chicoine

## CORRESPONDENCE (ONLINE ONLY)

**Commentary: The Tulane University-Ochsner Clinic Foundation Neurosurgery Program: 75 Years of History, Including the Program's Rebirth After Katrina**

E437

Lora Kahn, Roger D. Smith, Aaron S. Dumont, Cuong J. Bui, Edison P. Valle-Giler

**Letter: Commentary: La Pitié-Salpêtrière Hospital in Paris: The Historic Cradle of Neurosurgery**

E443

Marc Zanello, Alim-Louis Benabid, Bertrand Devaux, Johan Pallud

**In Reply: Commentary: La Pitié-Salpêtrière Hospital in Paris: The Historic Cradle of Neurosurgery**

E444

Bertrand Mathon, Aymeric Amelot, Stéphane Clemenceau, Alexandre Carpentier, Anne-Laure Boch

**Letter: Outcome After Clipping and Coiling for Aneurysmal Subarachnoid Hemorrhage in Clinical Practice in Europe, USA, and Australia**

E446

Bruno Braga Sisnando da Costa, Nícollas Nunes Rabelo, Manoel Jacobsen Teixeira, Eberval Gadelha Figueiredo

**In Reply: Outcome After Clipping and Coiling for Aneurysmal Subarachnoid Hemorrhage in Clinical Practice in Europe, USA, and Australia**

E447

Antti Lindgren, Timo Koivisto, Juha E. Jääskeläinen, Mervyn D.I. Vergouwen, Gabriel J.E. Rinkel



**Letter: Seizure Outcomes in Occipital Lobe and Posterior Quadrant Epilepsy Surgery: A Systematic Review and Meta-Analysis**  
Giulia Cossu, Mahmoud Messerer, Roy Thomas Daniel

**E448**

**In Reply: Seizure Outcomes in Occipital Lobe and Posterior Quadrant Epilepsy Surgery: A Systematic Review and Meta-Analysis**  
Stephen C. Harward, Dario J. Englot

**E449**

**CORRIGENDA**

**1326**

**DEPARTMENTS**

**Table of Contents by Topic  
Calendar of Events  
Next Month in Neurosurgery**

**N21  
N24  
N26**