2013 Winter Symposium

Everything You Wanted to Know About Monitoring Neurosurgical Procedures But Were Afraid to Ask
Hyatt Regency San Antonio Riverwalk

February 2-3, 2013
## Program

### Saturday, February 2, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Continental Breakfast with Exhibitors; Registration</td>
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<tr>
<td>7:15 a.m.</td>
<td>Welcome &amp; ASNM &amp; G0453 Updates</td>
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<tr>
<td>7:30 a.m.</td>
<td>Mapping Cerebral Function with MRI: Physiologic Basis, Current Clinical Use, and Limitations</td>
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<tr>
<td></td>
<td>James Leach, MD</td>
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<tr>
<td>8:00 a.m.</td>
<td>Optimal Recording of ABR</td>
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<td>Aage Moller, PhD, FASNM</td>
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<tr>
<td>9:00 a.m.</td>
<td>Morning Break with Exhibitors</td>
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<tr>
<td>9:45 a.m.</td>
<td>Monitoring Function During CEA: EEG and SSEPs</td>
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<tr>
<td></td>
<td>Michael Mahla, MD, FASNM</td>
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<tr>
<td>10:45 a.m.</td>
<td>Monitoring Neurovascular Procedures in Interventional Radiology</td>
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<tr>
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<td>Parthasarathy Thirumala, MD, MS</td>
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<tr>
<td>11:00 a.m.</td>
<td>Lunch on your own</td>
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<tr>
<td>11:45 a.m.</td>
<td>Aneurysm Clipping: Surgical Considerations</td>
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<td>Brian Hoh, MD, FACS, FAHA, FAANS</td>
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<tr>
<td>12:30 p.m.</td>
<td>Lunch on your own</td>
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<tr>
<td>2:00 p.m.</td>
<td>Anesthetic and Monitoring, Monitoring Towards Detecting Vascular Compromise</td>
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<td>Christoph Seubert, MD, PhD, DABNM</td>
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<tr>
<td>2:45 p.m.</td>
<td>Afternoon Break with Exhibitors</td>
</tr>
<tr>
<td>3:15 p.m.</td>
<td>Case Presentations</td>
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<td>Louanne Carabini, MD, Dietrich Gravenstein, MD, James Zuccaro, Maria Zuccaro</td>
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<tr>
<td>4:00 p.m.</td>
<td>Aneurysm Clipping: Surgical Considerations</td>
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<td>Stan Skinner, MD, FASNM</td>
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<tr>
<td>4:15 p.m.</td>
<td>Afternoon Break with Exhibitors</td>
</tr>
<tr>
<td>5:15 p.m.</td>
<td>Pitfalls of Monitoring Intrasomatic Pathology</td>
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<td>Josh Mergos, MS, CNIM</td>
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<tr>
<td>5:30 p.m.</td>
<td>Closing Comments</td>
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<tr>
<td>6:05 p.m.</td>
<td>Networking Reception with Exhibitors</td>
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### Sunday, February 3, 2013

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 a.m.</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>7:15 a.m.</td>
<td>Welcome &amp; ASNM Updates</td>
</tr>
<tr>
<td>7:30 a.m.</td>
<td>Monitoring Pedicle Screw Instrumentation</td>
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<td>Michael Isley, PhD, DABNM, FASNM</td>
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<tr>
<td>8:15 a.m.</td>
<td>The Evidence of Neuronavigation</td>
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<td>Dan Hoh, MD</td>
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<tr>
<td>8:45 a.m.</td>
<td>EP Changes that Recover ... Are They Always True Positives?</td>
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<td></td>
<td>Stan Skinner, MD, FASNM</td>
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<tr>
<td>9:45 a.m.</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 a.m.</td>
<td>Case Presentations</td>
</tr>
<tr>
<td></td>
<td>Louanne Carabini, MD, Dietrich Gravenstein, MD, James Zuccaro, Maria Zuccaro</td>
</tr>
<tr>
<td>11:15 a.m.</td>
<td>Closing Comments</td>
</tr>
<tr>
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<td>Antoun Koht, MD, FASNM</td>
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</table>

## Continuing Education

ASNM will apply for ASET Continuing Education (ACE) through The American Society of Electroneurodiagnostic Technologists. Such crediting, however should not be construed by program participants as endorsement of any type of instruments or suppliers mentioned or involved in these presentations.

This activity will be planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of Interstate Postgraduate Medical Association and ASNM. IPMA is accredited by the ACCME to provide continuing medical education for physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
Symposium Objectives

At the completion of this symposium, participants should be able to:

- Discuss the comprehensive principles for conducting and interpreting intraoperative neurophysiological monitoring across multimodality applications of IONM
- Identify neuroanatomy and neurophysiology relevant to IOM
- Describe the principles and methods of recording and monitoring
- Develop an understanding of the elements for clinical decision making during IOM
- Develop an understanding of the basic aspects related to the business of IOM

Course Descriptions

Experts from the international IONM community will examine common and important updates. Sessions include:

- Intracranial Anatomy- Eloquent Cortex, Vascular Supplies, Cranial Nerves
- Carotid Endarterectomy: Indications and Procedural Variations
- Aneurysm Clipping: Surgical Considerations
- Monitoring Microvascular Decompression of Hemifacial Spasm
- Surgical Approaches and Their Implications for CN VII & VIII
- Monitoring Function During CEA: EEG and SSEPs
- BAERS and bears optimizing coverage of CN VII

Target Audience

This symposium has been organized to meet the current needs of the following professionals:

- Professionals involved in interventional intraoperative neuromonitoring of evoked potentials, EMG and EEG during surgical procedures.
- Intraoperative monitoring professionals

Also:

- Neurophysiologists
- Neurologists
- ENT surgeons
- Nurses
- Neurosurgeons
- Orthopedists
- Anesthesiologists
- Audiologists

Faculty Disclosure Statements

Louanne Carabini, MD
has disclosed no relevant financial relationships

Dietrich Gravenstein, MD
has disclosed no relevant financial relationships

Brian Hoh, MD, FACS, FAHA, FAANS
has disclosed no relevant financial relationships

Daniel Hoh, MD
has disclosed no relevant financial relationships.

Michael Isley, Phd, DABNM, FASNM
has disclosed no relevant financial relationships

Dimple Jani
has disclosed no relevant financial relationships

Antoun Koht, MD, FASNM
has disclosed no relevant financial relationships

James Leach, MD
has disclosed income as a consultant for BrainLab AG

Michael Mahla, MD, FASNM
has disclosed no relevant financial relationships

John McAuliffe, MD, MBA, FAAP
has disclosed no relevant financial relationships

Josh Mergos, PhD, FASNM
has disclosed no relevant financial relationships

Aage Moller, MD, FASNM
has disclosed no relevant financial relationships

Christoph Seubert, MD, PhD, DABNM
has disclosed no relevant financial relationships

Stanley Skinner, MD, FASNM
has disclosed no relevant financial relationships

Tod Sloan, MD, MBA, PhD, FASNM
has disclosed no relevant financial relationships

Parthasarathy Thirumala, MD, MS
has disclosed no relevant financial relationships

James Zuccaro, DC, DABNM, CNIM
has disclosed no relevant financial relationships

Maria Zuccaro, MS, CNIM
has disclosed no relevant financial relationships

Administration Disclosure Statements

John McAuliffe III, MD, MBA, FAAP, Independent Reviewer
has disclosed no relevant financial relationships

Kimberly LaBounty, Administrator, ASNM
has disclosed no relevant financial relationships

Kate Nisbet, Director, Health Systems Education, IPMA
has disclosed no relevant financial relationships

Dimple Jani
has disclosed no relevant financial relationships

Planning Committee

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Christoph Seubert, MD, PhD, DABNM
Symposium Faculty

Louanne Carabini, MD  
Assistant Professor Department of Anesthesiology  
Northwestern University, Feinberg School of Medicine

Dietrich Gravenstein, MD  
Associate Professor of Anesthesiology,  
Physician Director of Quality  
University of Florida

Brian L. Hoh, MD, FACS, FAHA, FAANS  
Associate Professor of Neurosurgery, Radiology and Neuroscience  
University of Florida

Daniel J. Hoh, MD  
Assistant Professor of Neurological Surgery  
Joint Associate Professor of Department of Neuroscience  
University of Florida  
Malcom Randall VA Medical Center

Michael Isley, PhD, DABNM, FASNM  
Director, Intraoperative Neuromonitoring Dept.  
Orlando Regional Medical Center

Antoun Koht, MD, FASNM  
Professor of Anesthesiology, Neurological Surgery and Neurology  
Chief and Program Director, Neurosurgical Anesthesia  
Northwestern University, Feinberg School of Medicine

James L. Leach, MD  
Associate Professor of Radiology  
Director of Advanced Neuroimaging  
Cincinnati Children’s Hospital Medical Center

Josh Mergos, MS, CNIM  
Intraoperative Neuromonitorist  
University Hospital Lecturer  
Educational Coordinator  
University of Michigan Health System

Aage R Moller, PhD, FASNM  
Professor of Cognition and Neuroscience; MF Jonsson Endowed Chair, School of Behavioral and Brain Sciences  
The University of Texas at Dallas

Christoph Seubert, MD, PhD, DABNM  
Chief, Division of Neuromonitoring; Director, Intraoperative Neurophysiological Monitoring Laboratory; Associate Professor of Anesthesiology, University of Florida, College of Medicine;

Stanley Skinner, MD, FASNM  
Medical Director, Neurophysiology Department  
Abbott Northwestern Hospital

Tod Sloan, MD, MBA, PhD, FASNM  
Professor and Associate Chair for Development  
Department of Anesthesiology  
University of Colorado Health Science Center

Parthasarathy Thirumala MD, MS  
Co-Medical Director  
University of Pittsburgh Medical Center

James Zuccaro, DC, DABNM, CNIM  
Director, Intraoperative Monitoring Services  
Shriners Hospital for Children, Philadelphia

Maria Zuccaro, MS, CNIM  
Neurophysiologist  
Shriners Hospital for Children, Philadelphia

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Save the Date

2013 ASNM Annual Meeting
May 2nd - May 5th, 2013
Hyatt Regency Boston - Boston, Massachusetts
Procedure Based IONM & State-of-the-Art Scientific Discussion

2013 Focus Course
September 7-8, 2013
Dallas Marriott City Center
Dallas, TX

2013 Fall Symposium
October 26-27, 2013
New Orleans Marriott
New Orleans, LA