



## 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

**7:00 a.m.**

**Continental Breakfast with Exhibitors; Registration**

**7:15 a.m.**

**Welcome & ASNMM & G0453 Updates**

*Antoun Koht, MD, FASNM*

**7:30 a.m.**

**Mapping Cerebral Function with MRI: Physiologic Basis, Current Clinical Use, and Limitations**

*James Leach, MD*

**8:15 a.m.**

**Mapping Cerebral Function with MRI: Validation and Clinical Case Examples**

*James Leach, MD*

**9:00 a.m.**

**BAERS and Bears Optimizing Coverage of CN VII**

*Aage Moller, PhD, FASNM*

**9:45 a.m.**

**Morning Break with Exhibitors**

**10:15 a.m.**

**Carotid Endarterectomy: Indications and Procedural Variations**

*Brian Hoh, MD, FACS, FAHA, FAANS*

**11:00 a.m.**

**Monitoring Function During CEA: EEG and SSEPs**

*Michael Mahla, MD, FASNM*

**11:45 a.m.**

**Monitoring Neurovascular Procedures in interventional Radiology**

*Parthasarathy Thirumala, MD, MS*

**12:30 p.m.**

**Lunch on your own**

**2:00 p.m.**

**Aneurysm Clipping: Surgical Considerations**

*Brian Hoh, MD, FACS, FAHA, FAANS*

**2:45 p.m.**

**Optimizing Monitoring Towards Detecting Vascular Compromise**

*Christoph Seubert, MD, PhD, DABNM*

**3:30 p.m.**

**Anesthesia and Monitoring**

*Tod Sloan, MD, MBA, PhD, FASNM*

**4:15 p.m.**

**Afternoon Break with Exhibitors**

**4:30 p.m.**

**Monitoring Microvascular Decompression of Hemifacial Spasm**

*Aage Moller, PhD, FASNM*

**5:15 p.m.**

**Pitfalls of Monitoring Intracranial Pathology**

*Josh Mergos, MS, CNIM*

**6:00 p.m.**

**Closing Comments**

**6:05 p.m.**

**Networking Reception with Exhibitors**

## Sunday, February 3, 2013

**7:00 a.m.**

**Continental Breakfast**

**7:15 a.m.**

**Welcome & ASNMM Updates**

*Antoun Koht, MD, FASNM*

**7:30 a.m.**

**Monitoring Pedicle Screw Instrumentation**

*Michael Isley, PhD, DABNM, FASNM*

**8:15 a.m.**

**The Evidence of Neuronavigation**

*Dan Hoh, MD*

**9:00 a.m.**

**EP Changes that Recover ... Are They Always True Positives?**

*Stan Skinner, MD, FASNM*

**9:45 a.m.**

**Break**

**10:15 a.m.**

**Case Presentations**

*Louanne Carabini, MD*

*Dietrich Gravenstein, MD*

*James Zuccaro, DC, DABNM, CNIM*

*Maria Zuccaro, MS, CNIM*

**11:45 a.m.**

**Closing Comments: ASNMM and You; Practice Guidelines**

*Antoun Koht, MD, FASNM*

## Continuing Education



ASNMM 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 ASNMM. 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
- Neurosurgeons
- Neurologists
- Orthopedists
- ENT surgeons
- Anesthesiologists
- Nurses
- 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, ASNIM

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

John McAuliffe, III, MD, MBA, FAAP

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*

### **Michael E Mahla, MD, FASNM**

*Associate Dean for Graduate Medical Education  
Professor of Anesthesiology and Neurosurgery  
University of Florida College of Medicine*

### **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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## Winter Symposium Sponsors



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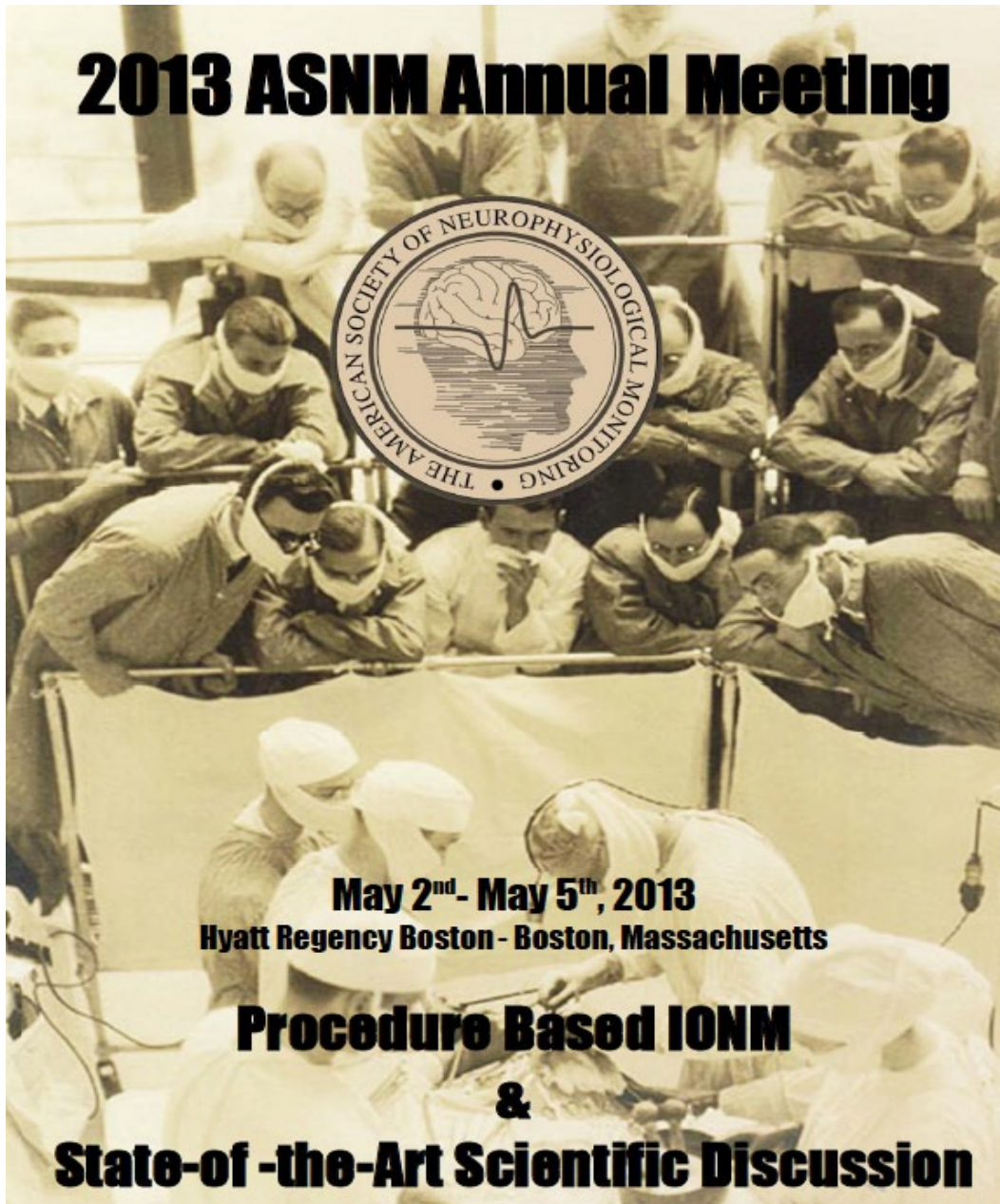
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# Save the Date



**2013 ASNM Annual Meeting**

**May 2<sup>nd</sup> - May 5<sup>th</sup>, 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