2014 Winter Symposium

Detecting Acute Neurological System Trespass during a Variety of Surgical Situations

February 22-23, 2014
Sheraton Tampa Riverwalk

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Faculty

Mathew Cotton, MS, CNIM, FASNM
Coordinator for Intraoperative Neurophysiology
Northwestern Memorial Hospital

Harvey Edmonds, Jr, PhD, FASNM
Emeritus Professor
University of Louisville

Leo Happel, PhD, FASNM
Professor of Neurology, Neurosurgery
LSU Health Science Center

Laura Hemmer, MD
Assistant Professor of Anesthesiology and Neurological Surgery
Northwestern University, Feinberg School of Medicine

Mary Herman, MD, PhD
University of Florida
Assistant Professor

Michael Isley, PhD, DABNM, FASNM
Director
Orlando Regional Medical Center

Joshua Reyna LVN,CNIM
Director of Clinical Services
National Neuromonitoring

Christoph Seubert, MD, PhD, DABNM
Associate Professor of Anesthesiology
University of Florida, College of Medicine

Tod Sloan, MD, MBA, PhD
Professor of Anesthesiology
University of Colorado School of Medicine

Richard Toleikis, PhD, DABNM, FASNM
Director, Neurophysiological Intraop. Monitoring
Rush University Medical Center

W. Bryan Wilent, PhD, DABNM
Director of Education
Sentient Medical Systems

Ian Winn, R EEG/EP T, CNIM
NeurodiagnosticTEX

James Zucaro, DC, CNIM, DABNM
Director of Intraoperative Monitoring
Shriners Hospital for Children-Philadelphia

Maria Zucaro, MS, CNIM
Neurophysiologist
Shriners Hospital for Children-Philadelphia
ASNM’s 2014 Winter Symposium Agenda

Saturday, February 22, 2014

7:00am - 8:00am
Breakfast with Exhibitors / Registration

8:00am - 8:15am
Welcome and ASNM Updates

8:15am - 9:00am
Spinal Cord Blood Supply
Leo Happel, PhD, FASNM

9:00am - 10:00am
Pedicle Screw Testing
Michael Isley, PhD, DABNM, FASNM

10:00am - 10:30am
Break with Exhibitors

10:30am - 11:30am
State of the Art Neuromonitoring for the Pediatric Population and Case Presentation
James Zuccaro, DC, CNIM, DABNM

11:30am - 12:15pm
Monitoring for Deep Brain Stimulation (DBS) Surgery
Rich Toleikis, PhD, DABNM, FASNM

12:15pm - 1:45pm
Lunch on Own

1:45pm - 2:30pm
Nerve Action Potential Recordings for Nerve Lesions
Leo Happel, PhD, FASNM

2:30pm - 3:30pm
Near-Infrared Reflectance Spectroscopy (NIRS) Measures Regional O₂ Saturation (rSO₂): 2014
Harvey Edmonds, PhD, FASNM

3:30pm - 4:00pm
Afternoon Break with Exhibitors

4:00pm - 4:45pm
Neuromonitoring for Aortic Surgery
Harvey Edmonds, PhD, FASNM

4:45pm - 5:30pm
Anesthesia Management: Alternatives to Propofol -Opioid TIVA
Tod Sloan, MD, PhD, MBA

5:30pm - 7:00pm
Networking Reception with Exhibitors
7:30am - 8:00am
Breakfast and Registration

8:00am - 8:15am
Welcome and ASNM Updates

8:15am - 8:45am
IOM for Aneurysm Surgery
Christoph Seubert, MD, PhD, DABNM

8:45am - 9:15am
Dermatomal SSEPs for Spine Surgery
Richard Toleikis, PhD, DABNM, FASNM

9:15am - 9:45am
Case Presentations Part I
Mary Herman, MD, PhD
Maria Zuccaro, MS, CNIM

9:45am - 10:15am
Break

10:15am - 10:45am
Case Presentations Part II
Mathew Cotton, MS, CNIM, FASNM
Joshua Reyna, LVN, CNIM
Bryan Wilent, PhD, DABNM
Ian Winn, R EEG/EP T, CNIM

10:45am - 12:15pm
Interactive Case Discussion
Laura Hemmer, MD
Christoph Seubert, MD, PhD, DABNM
Tod Sloan, MD, PhD, MBA

12:15pm
Closing Comments
**Symposium Objectives**

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

- Discuss the comprehensive principles for conducting and interpreting intraoperative neurophysiological monitoring
- Discuss IONM from a procedural standpoint and not just from an individual modality standpoint
- Identify neuroanatomy and neurophysiology relevant to the discussed procedures
- Develop a deeper understanding of the elements for clinical decision making during IOM

**Course Descriptions**

Experienced professionals from multiple disciplines will give updates and a literature basis to a wide variety of topics with direct clinical applicability to intraoperative neurophysiological monitoring. Topics include:

- CNS perfusion
- Regional tissue oxygen saturation monitoring
- Effects of anesthetic agents on neuromonitoring modalities
- Dermatomal SSEPs
- Pedicle screw testing
- Neuromonitoring for specific surgeries, including aortic surgery, awake craniotomies, carotid endarterectomies, intracranial neurovascular surgery, interventional radiology procedures, and peripheral nervous system surgeries

In addition to the time for questions with each expert presenter, plenty of time for interactive discussion and questions between speakers and attendees will be included via interactive case presentations.

**Planning Committee**

Laura Hemmer, MD
Mathew Cotton, MS, CNIM, FASNM
Kimberly LaBounty, Executive Director, ASNM
Kelly Geegan, CMP, Meeting Manager, ASNM

**Target Audience**

Intraoperative neuromonitoring practitioners (basic through advanced level) including technologists, neurophysiologists, physicians, and individuals involved in the business aspect of intraoperative monitoring.

**Continuing Education**

The Interstate Postgraduate Medical Association will apply this live activity for AMA PRA Category 1 Credit(s) TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity. This activity has been 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.

The American Society of Electroencephalographic Technologists has granted ASET Continuing Education (ACE) credits 9.5 ACE credits for this program. Such credit, however, should not be construed by program participants as endorsement of any type of instruments or suppliers mentioned or involved in these presentations.

**Program Materials**

Event handouts of presentation slides, and more will be shared with registered attendees prior to the event in an electronic pdf format. You may order the printed handouts for $100, available for pick-up on-site at the registration desk.

*No content, audio or visual, may be recorded during the lectures without written consent from the speakers.*
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**Mathew Cotton, MS, CNIM, FASNM**
has disclosed no relevant financial relationships

**Harvey Edmonds, Jr, PhD, FASNM**
has disclosed ownership interest and on the speakers bureau for Covidien

**Leo Happel, PhD, FASNM**
has disclosed no relevant financial relationships

**Laura Hemmer, MD**
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**Mary Herman, MD, PhD**
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has disclosed no relevant financial relationships

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

Administration Disclosure Statements

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

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

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Save the Date

2014 Annual Meeting
Chicago, Illinois
May 1-4, 2014
Fairmont Chicago, Millenium Park

2014 Fall Symposium
Ann Arbor, Michigan
September 6-7, 2014
The Dahlmann Campus Inn
Registration
Registration fees include tuition, all materials to be available online for download prior to the event, daily continental breakfast, member-only lunch, break refreshments, and an evening networking reception.

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Location
ASNM has secured a block of rooms at the Fairmont Chicago for attendees at a special rate $279/night until March 30, 2014. Book your reservations by calling (800) 526-2008. Please identify yourself as being with ASNM at the time of the reservation to receive the special group rate.
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