

The American Society of Neurophysiological Monitoring presents

2012 Winter Symposium

Comprehensive Advances in Intraoperative Neurophysiologic Monitoring



Friday, March 2 - Saturday, March 3
Hilton Clearwater Beach



Register online at
www.asnm.org

Program

Friday, March 2, 2012

7:15 a.m.

Continental Breakfast & Registration

8:00 a.m.

Welcome & Introduction / ASNM updates
Bernard Allan Cohen, PhD, FASNM

8:05 a.m.

IONM Instrumentation:
Optimized OR Layout
Brett Netherton, MS, CNIM

8:45 a.m.

Spinal Screw Stimulation Review & Update
Bernard Allan Cohen, PhD, FASNM

9:45 a.m.

Mechanomyography: New Technology
for Pedicle Screw Assessment
Stephen Bartol, MD

10:00 a.m.

Break (provided)
sponsored by *Rochester Electro-Medical*



10:30 a.m.

Surgeon's Perspective: Minimally Invasive
Spine Surgery
Byron Davidson, DO

11:10 a.m.

Monitoring Minimally Invasive Spine
Surgery
Charles Yingling, PhD, CNIM, DABNM, FASNM

11:50 a.m.

ASNM Updates / Drawing
Bernard Allan Cohen, PhD, FASNM

12:00 p.m.

Lunch

1:30 p.m.

Anesthesiology Concerns: Spinal Surgery
Christoph Seubert, MD, PhD, DABNM

2:10 p.m.

TCeMEP Current Trends: Criteria
for Alarm Comparison
Charles Yingling, PhD, CNIM, DABNM, FASNM

2:50 p.m.

Break (provided)

3:20 p.m.

Acute Peripheral Nerve Injury and CMAP:
Relationship Between Findings in Animal
Model and IONM in Humans
Mark Stecker, MD, PhD, FASNM

4:00 p.m.

Brachial Plexus and Peripheral Nerve
Tumor Monitoring
George Lee, MD, MS

4:40 p.m.

Electrode Interface-Based Injury:
Recognition and Avoidance
Brett Netherton, MS, CNIM

5:20 p.m.

Closing Comments
Bernard Allan Cohen, PhD, FASNM

5:30 - 7:30 p.m.

Networking Reception

Saturday, March 3, 2012

7:00 a.m.

Continental Breakfast

7:45 a.m.

Welcome & Introduction / ASNM updates
Bernard Allan Cohen, PhD, FASNM

8:00 a.m.

Electromyography: Theory and
Implementation in Spinal Monitoring
Stanley Skinner, MD

8:40 a.m.

Severe Spinal Deformity
Anthony Moreno, MD

9:20 a.m.

Case Discussions: Spine IONM Potpourri
Stanley Skinner, MD

10:00 a.m.

Break (provided)
sponsored by *Reliant Billing*



10:30 a.m.

Comprehensive Vascular Anatomy of the Brain
Mark Stecker, MD, PhD, FASNM

11:10 a.m.

Aneurysms, AVMs, and their Clinical
Management
Mark Stecker, MD, PhD, FASNM

11:50 a.m.

ASNM Updates / Drawing
Bernard Allan Cohen, PhD, FASNM

12:00 p.m.

Lunch

1:30 p.m.

Surgical Treatment of Thyroid
Disorders
Michael Simmons, MD

2:10 p.m.

History and New Technologies for RLN
Monitoring in Thyroid and Parathyroid Surgery
Michael Simmons, MD

2:50 p.m.

Break (provided)
sponsored by *RhythmLink*



3:10 p.m.

Anesthesiology Concerns During Skull-
Based Surgery
Antoun Koht, MD

3:50 p.m.

Monitoring a Translabyrinthine Approach
for Acoustic Neuroma: Special Challenges to
Consider
Lawrence Wierzbowski, AuD, DABNM

4:30 p.m.

International Humanitarian Philanthropy:
IONM
Antoun Koht, MD

5:00 p.m.

Closing Comments
Bernard Allan Cohen, PhD, FASNM



Wine and Cheese Networking Reception

Friday
5:30 pm to 7:30 pm



Information

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 Description

This symposium provides comprehensive updates for neurophysiologic monitoring professionals and advanced practitioners who collaborate on the neuromonitoring team, as well as surgeons and anesthesiologists who require intraoperative neuromonitoring (IONM) during procedures. Experts from the international IONM community will examine common and important updates, including:

- SEP & Transcranial Motor Evoked Potentials and EMG for spine surgery
- Auditory Evoked Potentials and Cranial Nerve monitoring for craniotomy and skull-based monitoring
- EEG and SEP for carotid endarterectomy and aneurysm monitoring
- Didactic sessions and interactive panel forums will focus on pre-existing conditions, data analysis, anesthetic considerations, complications and troubleshooting.

Target Audience

Neurophysiologists Neurosurgeons
 Neurologists Orthopedists
 ENT surgeons Anesthesiologists
 Nurses Audiologists
 Intraoperative monitoring professionals
 Professionals involved in interventional intraoperative neuromonitoring of evoked potentials, EMG and EEG during surgical procedures

Registration Fees	Thru Feb. 24	After Feb. 24
ASNM members	\$475*	\$500*
Nonmembers	\$675*	\$700*
Extra ticket for Networking Reception	\$50	
Printed handouts with registration	\$100	
Printed handouts without registration	\$150	

*The registration fee includes tuition, materials, daily continental breakfast, breaks and cocktail reception. All handouts provided by faculty will be available for download. Printed materials are available for an additional charge and must be ordered two weeks prior to the meeting.



Hilton Clearwater Beach

ASNM has secured a block of rooms at the Hilton Clearwater Beach at the special rate of \$209 until Feb. 1, 2012. Book your reservations by calling (727) 461-3222. Please identify yourself as being with ASNM at the time of the reservation to receive the special group rate.

Hilton Clearwater Beach

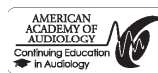
400 Mandalay Avenue
 Clearwater, Florida 33767

(727) 461-3222

Room reservations at www.asnm.org/events.

Continuing Medical Education

The Interstate Postgraduate Medical Association designates this live activity for a maximum of 13 *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.



ASNM has applied to the American Academy of Audiology to offer Academy CEUs for this activity.

The program is worth 1.35 CEUs. Academy approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures.



The American Society of Electroneurodiagnostic Technologists has granted ASET Continuing Education (ACE) credits (7.5 ACE credits for Day 1 and 6.5 ACE

credits for Day 2) for this program. Such crediting, however, should not be construed by program participants as endorsement of any type of instruments or supplies mentioned or involved in these presentations.

Educational Program Committee

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 Bernard Allan Cohen, PhD, FASNM
 Clare Gale, R EEG/EP T, CNIM
 Antoun Koht, MD
 Mike McCaffrey, PhD
 Jay Shils, PhD, DABNM, FASNM

Executive Committee

Bernard Allan Cohen, PhD, FASNM, *President*
 Mike McCaffrey, PhD, *Past-President & Treasurer*
 Antoun Koht, MD, *President-Elect*
 Clare Gale, R EEG/EP T, CNIM, *Secretary*

Contributors

Faculty

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Orthopedic Surgeon, Sentio MMG
has disclosed an investment in Sentio

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President, Neurological Monitoring Associates, LLC
has disclosed no relevant financial relationships

Byron Davidson, DO

Spine Surgeon, Orthopedic Specialites
has disclosed income as an advisory board member with Pioneer Surgical and as a consultant with IMSE

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Professor, Chief and Program Director,
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has disclosed no relevant financial relationships

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Otolaryngologist, Mid-Missouri Ear, Nose and Throat
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Committees

Planning Committee (Clearwater)

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Program Co-Chair: Clare Gale, R EEG/EP T, CNIM

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Jack Hastings, MD, *independent reviewer*
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Thank You to our Showcase Sponsors



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Save the date!

The American Society of Neurophysiological Monitoring presents

2012 ASNMM Annual Meeting

Research in the OR:
Current State of the Art and Future Frontiers

Friday, May 4 - Sunday, May 6
Grand America Hotel, Salt Lake City, Utah

