

American Society of Neurophysiological Monitoring



Regional Symposia 2008



We Invite You To:

Marriott Dallas-Solana ~ Dallas/WestLake, TX

October 24 - 25, 2008

&

Newport Beach Marriott Hotel & Spa ~ Newport Beach, CA

December 5 - December 6, 2008

ASNM Regional Symposia Committee

Rebecca J. Clark-Bash, R. EEG \EP T., CNIM, *Chairman*

Committee:

Jeffrey Balzer, Ph.D., DABNM, FASNM
Bernie Cohen, Ph.D., DABNM, FASNM
Clare Gale, B.S. R.EEG.T/CNIM CRTT
Leah Hanson, R.EEG.T/EP T., CNIM
Rob Minahan, M.D., FASNM
David Morledge, Ph.D., CCC-A, DABNM, FASNM

Leisha Osburn, M.S., R.EEG/EP.T, CNIM
Shawn Regan, B.S., CNIM
Jay Shils, Ph.D
Mark Stecker, M.D., Ph.D., DABNM, FASNM
Cathleen Zippay, R.EEG/EPT.,R.EDT.,CNIM

I. Vision & Mission:

The Society serves as the leading organization for the field of interventional neurophysiological assessment and monitoring.

Quality neurophysiological monitoring benefits patient outcomes. The Society:

- ⇒ Fosters the growth and stature of neurophysiological monitoring as a profession
- ⇒ Represents and advocates within the medical community on behalf of the members
- ⇒ Provides a forum for education and dissemination of knowledge in the field
- ⇒ Develops quality standards for practice and training
- ⇒ Promotes the highest standards of neurophysiological monitoring through research
- ⇒ Builds partnerships and coalitions with allied professionals

II. Intent & Overview

The function of the ASNM Regional Symposia program committee is to provide both a review of the basic neurophysiologic technology and methods in addition to a forum for presentation of cutting edge concepts in the field.

The conferences will begin Friday and will allow attendees to participate in didactic lectures and case presentations along with cutting edge topics.

III. Objectives

After participating in this program, the participants should be able to:

- ⇒ Discuss the basic principles for conducting and interpreting intraoperative neurophysiologic monitoring (IONM)
- ⇒ Identify the basic neuroanatomy & neurophysiology relevant to IONM
- ⇒ Describe the principles & methods of advanced spinal cord monitoring to include Tce MEP, SEP, EMG, AEP, & EEG
- ⇒ Orient to principles of neurosurgical monitoring techniques & philosophies
- ⇒ Develop an understanding of the basic aspects related to the business of IOM
- ⇒ Develop an understanding of the elements for clinical decision making for IOM

IV. Who Should Attend

This symposium is designed for all monitorists, to include electrophysiologists from neurophysiologic backgrounds, nurses, electroneurodiagnostic technologists, audiologists and other practitioners involved with patients where neurophysiologic monitoring is used and who wish to expand their knowledge. This symposium is also designed for neurological, orthopedic, and ENT surgeons who utilize IOM as part of their routine practice or who are interested in learning more about IOM technique.

Keynote Speakers

Newport Beach, CA

December 5 & 6, 2008



Rebecca Clark-Bash
REEB/EPT, CNIM
Knowledge Plus, Inc.
Lincolnshire, IL



Gayle Hicks,
PhD, DABNM, FASNM
Neurodynamics, Inc.
San Diego, CA



David B. MacDonald, MD
King Faisal Specialist Hospital & Research Center
Riyadh, Saudi Arabia



Blair Calancie, PhD
Dept. of Neurosurgery
SUNY's Upstate Medical University
Syracuse, NY

Clare Gale,
BS, REEGT, CNIM
SpineMon, Inc.
President
Baltimore, OH



Marc Nuwer, MD, PhD
UCLA Dept Neurology
Los Angeles, CA



Jeffrey R. Balzer,
PhD, DABNM, FASNM
Associate Professor of Neurological Surgery
Associate Director, Clinical Services
University of Pittsburgh Medical Center
Presbyterian University Hospital
Pittsburgh, PA



Dallas-WestLake, TX

October 24 & 25, 2008



Aage Møller, PhD (D Med Sci)
Professor of Cognition and Neuroscience
MF Jonsson Chair Endowed Chair
School of Behavioral and Brain Sciences
University of Texas at Dallas, GR 4.1
Richardson, TX



Donald York, PhD
St. John's Mercy Medical Center
St. Louis, MO

Vedran Deletis, MD, PhD
Director of Intra-Operative Monitoring
St. Lukes-Roosevelt Hospital
New York City, NY



Jay Shils, PhD, DABNM, FASNM
Assistant Professor & Director of
Intraoperative Monitoring
Department of Neurosurgery
The Lahey Clinic
Burlington, MA

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



2008 ASNM Regional Symposia

Newport Beach, California

Program Co-Chairs:

Rebecca Clark-Bash, REEG/EPT, CNIM
Knowledge Plus, Inc
Lincolnshire, IL

Clare Gale, BS, REEGT, CNIM
SpineMon, Inc.
President
Baltimore, OH

PROGRAM SCHEDULE for FRIDAY, December 5, 2008

- 7:55 am WELCOME & ANNOUNCEMENTS**
- 8:00 am Correlative Anatomy for the Intraoperative Neuromonitoring Professional**
Gayle Hicks, PhD, FASNM, DABNM
- 9:00 am Changing Care Models in Intraoperative Neurophysiologic Monitoring: Review of Current Insurance & Device Driven Factors**
Rebecca Clark-Bash, REEG/EPT, CNIM
- 10:00 am Break**
- 10:15 am Alarm Criteria for Motor-Evoked Potentials: What's Wrong with the "Presence-or-Absence" Approach?**
Blair Calancie, PhD
- 11:15 am Cerebral Monitoring by Means of Oximetry and Somatosensory Evoked Potentials During Carotid Endarterectomy**
Jeffrey Balzer, PhD, DABNM, FASNM
- 12:15 pm Lunch**
- 1:15 pm JCAHO & Medical Legal: Documentation Mandates in IONM**
Clare Gale, BS, REEGT, CNIM
- 2:15 pm Break**
- 2:30 pm Optimization of Somatosensory Evoked Potential Monitoring in Spine Surgeries**
David B. MacDonald, MD
- 3:30 pm Patient Physiology- Anesthesia Driven Monitoring & Relevance to the Intraoperative Monitoring Team - Anesthesia, Pt. Vitals, MAP, Hyperventilation, Hypoventilation, CO2 Management, Hypothermia, Hyperthermia, Hypocarbica, BIS, Oximetry, Stump Pressure, TCD, Other**
Anesthesiologist TBD
- 4:30 pm Intraoperative Somatosensory Evoked Potential Monitoring During Anterior Cervical Discectomy and Fusion in Nonmyelopathic Patients-- a review of 1,039 Cases**
Jeffrey Balzer, PhD, DABNM, FASNM
- 5:00 pm ADJOURN**



2008 ASNM Regional Symposia

Newport Beach, California

Program Co-Chairs:

Rebecca Clark-Bash, REEG/EPT, CNIM
Knowledge Plus, Inc
Lincolnshire, IL

Clare Gale, BS, REEGT, CNIM
SpineMon, Inc.
President
Baltimore, OH

PROGRAM SCHEDULE for SATURDAY, DECEMBER 6, 2008

- 7:55 am WELCOME & ANNOUNCEMENTS**
- 8:00 Beyond the Operating Room:
ICU EEG Monitoring: Monitoring for Post-surgical Problems and
Non-Convulsive Seizures**
Marc Nuwer, MD, PhD
- 9:00 am Intraoperative Motor Evoked Potential Monitoring: Overview and Update**
David B. MacDonald, MD
- 10:00 am BREAK**
- 10:15 am Motor Evoked Potential Monitoring During
Cerebral Aneurysm Surgery:
Technical Aspects & Comparison of
Transcranial and Direct Cortical Stimulation**
Jeffrey Balzer, PhD, DABNM, FASNM
- 11:15 am Safety of Intraoperative Transcranial
Electrical Stimulation
Motor Evoked Potential Monitoring**
David B. MacDonald, MD
- 12:15 pm LUNCH**
- 1:15 pm Regulatory and Medical-Legal Aspects of
Intraoperative Monitoring**
Marc Nuwer, MD, PhD
- 2:15 pm BREAK**
- 2:30 pm Intra-Operative Monitoring of
Thoracic Pedicle Screw Placement**
Blair Calancie, PhD
- 3:30 pm Interactive IOM Case Review Problem
Based Learning Workshop**
Gayle Hicks, PhD, FASNM, DABNM
- 3:30 pm PBL Continues**
- 5:00 pm Adjourn**



900 Newport Center Drive
Newport Beach, California
(949) 640-4000

Room Rates: \$149

See Registration form on NEXT PAGE

2008 REGIONAL SYMPOSIA

AMERICAN SOCIETY OF NEUROPHYSIOLOGICAL MONITORING

December 5-6, 2008

MARRIOTT HOTELS & RESORTS REGISTRATION
DEADLINE: November 13, 2008

Marriott Newport Beach Hotel & Spa (949) 640-4000

Hotel Rate \$149.00

Hotel rooms for these sessions ALWAYS sell out.

Please make hotel reservations as soon as possible to insure room availability.

Name _____

Affiliation _____ Department _____

Work Address _____
Street Address _____ City _____ State _____ Zip Code _____

Home Address _____
Street Address _____ City _____ State _____ Zip Code _____

Please send the Confirmation/Primary Communications to: ☐ Home address ☐ Business address

Phone (____) _____ (____) _____ (____) _____
Business (Daytime) Home Fax

Email Address _____

Please sign here to confirm registration and provide authorization for ASNM to contact you via email.

Signature _____

Registration Fees for MEMBERS:		
Deadline Date	Cost	Amount
Until November 5, 2008	\$425.00	
After November 5, 2008	\$525.00	
	TOTAL*	

Registration Fees for NON-MEMBERS:		
Deadline Date	Cost	Amount
Until November 5, 2008	\$550.00	
After November 5, 2008	\$650.00	
	TOTAL*	

***Full Registration includes all events.**

Please make checks payable to: ASNM, or charge credit card by completing this information:

Visa / MasterCard Card # _____ / _____ / _____ / _____ Exp. Date _____

Amount \$ _____ Authorized Signature _____

Refund Policy: Registration fees are NONREFUNDABLE! Check the ASNM website for updates (ASNM.org)

For program information contact: ASNM (800) 479-7979

Mail Registration to: ASNM

20 North Michigan Avenue, Suite 700 • Chicago, IL 60602
OR Fax: 1 800 479 7989

Area Attractions

NEWPORT BEACH, CA

- Laguna Beach
- Disneyland
- Knott's Berry Farm
- Universal Studios
- Catalina Island
- Dodgers Stadium
- Beverly Hills/Hollywood
- Santa Ana Zoo
- Legoland
- Queen Mary
- Sea World
- San Diego Zoo
- Aquarium of the Pacific
- Costa Mesa Golf Course (6 mi)
- Pelican Hill Golf Course (4 mi)
- Strawberry Farms Golf Course (7 mi)
- Rancho San Joaquin Golf Course (12 mi)



DALLAS-WESTLAKE, TX

- Cross Timbers Winery & Tasting Room
- Homestead Winery & Tasting Room
- La Bodega Winery & Tasting Room
- Bass Pro Shops Outdoor World
- Texas Motor Speedway
- Southlake Town Square
- Grapevine Mills Mall
- Cabela's
- Six Flags Over Texas
- The Dallas World Aquarium
- Grapevine Vintage Railroad
- Cowboy's Golf Club (4 mi)
- Tour 18 Dallas Golf Club (10 mi)
- Timarron Country Club (5 mi)
- Trophy Club Country Club Golf (.4 mi)



2008 ASNM Regional Symposia

Dallas – WestLake, Texas

Program Co-Chairs:

Jay L. Shils, PhD, DABNM, FASNM
Director, Intra-operative Monitoring
Department of Neurosurgery
The Lahey Clinic
Burlington, MA

Rebecca Clark-Bash, REEG/EPT, CNIM
Knowledge Plus, Inc
Lincolnshire, IL

PROGRAM SCHEDULE for FRIDAY, OCTOBER 24, 2008

- 7:55 am WELCOME & ANNOUNCEMENTS**
- 8:00 am Legal Issues in Intraoperative Neuromonitoring**
Donald York, PhD
- 9:00 am Neurosurgical Decision-Making with IOM:
How Can the Information Impact the Surgical Decision Process**
Jay Shils, PhD, DABNM, FASNM
- 10:00 am BREAK**
- 10:15 am Changing Care Models in Intraoperative Neurophysiologic Monitoring:
Review of Current Insurance & Device Driven Factors**
Rebecca Clark-Bash, REEG/EPT, CNIM
- 11:15 am Intraoperative Auditory Monitoring in Vestibular Schwannoma Surgery**
Aage R. Møller, PhD
- 12:15 pm LUNCH**
- 1:15 pm Electroencephalography: EEG, QEEG, Algorithms, BIS and Other Systems
with a Discussion of the Impact as a Sensitive Predictor of Cerebral Ischemia**
Jay Shils, PhD, DABNM, FASNM
- 2:15 pm BREAK**
- 2:30 pm Intraoperative Neurophysiological Monitoring in Pediatric Neurosurgery:
Why, When, How?**
Vedran Deletis, MD, PhD
- 3:30 pm Patient Physiology - Anesthesia Driven Monitoring & Relevance to the
Intraoperative Monitoring Team - Anesthesia, Pt. Vitals, MAP, Hyperventilation,
Hypoventilation, CO2 Management, Hypothermia, Hyperthermia, Hypocarbica, BIS,
Oximetry, Stump Pressure, TCD, Other**
Tod Sloan, MD, MBA, PhD, FASNM
- 4:30 pm Open Forum with Questions**
- 5:00 pm ADJOURN**

2008 ASNM Regional Symposia

Dallas – WestLake, Texas

Program Co-Chairs:

Jay L. Shils, PhD, DABNM, FASNM
Director, Intra-operative Monitoring
Department of Neurosurgery
The Lahey Clinic
Burlington, MA

Rebecca Clark-Bash, REEG/EPT, CNIM
Knowledge Plus, Inc
Lincolnshire, IL

PROGRAM SCHEDULE for SATURDAY, OCTOBER 25, 2008

- 7:55 am WELCOME & ANNOUNCEMENTS**
- 8:00 am Anatomy & Function of Cranial Nerves:
Correlative Influence on the Neuromonitoring Recordings**
Aage R. Møller, PhD
- 9:00 am Motor Evoked Potential Monitoring During Cerebral Aneurysm Surgery:
Technical Aspects & Comparison of Transcranial and Direct Cortical Stimulation**
Vedran Deletis, MD, PhD
- 10:00 am BREAK**
- 10:15 am Micro Vascular Decompression Operations : Monitoring Considerations & Methods**
Aage R. Møller, PhD
- 11:15 am Correlative Spine Anatomy for the Intraoperative Neuromonitoring Professional**
Donald York, PhD
- 12:15 pm LUNCH**
- 1:15 pm Advanced Monitoring for Brain Mapping Specifically at the Different
Cortical Speech Areas**
Vedran Deletis, MD, PhD
- 2:15 pm BREAK**
- 2:30 pm Problem Based Learning Workshop**
Donald York, PhD
- 3:30 pm PBL Continues**
- 5:00 pm Adjourn**



Marriott®
DALLAS SOLANA

5 Village Circle
Westlake, TX 76262
(817) 430-5000

Room Rates: \$112

See registration form on NEXT PAGE

2008 REGIONAL SYMPOSIA

AMERICAN SOCIETY OF NEUROPHYSIOLOGICAL MONITORING

October 24-25, 2008

MARRIOTT HOTELS & RESORTS REGISTRATION
DEADLINE: October 2, 2008

Marriott Dallas Solana (817) 430-5000

Hotel Rate \$112.00

Hotel rooms for these sessions ALWAYS sell out.

Please make hotel reservations as soon as possible to insure room availability.

Name _____

Affiliation _____ Department _____

Work Address _____
Street Address _____ City _____ State _____ Zip Code _____

Home Address _____
Street Address _____ City _____ State _____ Zip Code _____

Please send the Confirmation/Primary Communications to: ☐ Home address ☐ Business address

Phone (____) _____ (____) _____ (____) _____
Business (Daytime) Home Fax

Email Address _____

Please sign here to confirm registration and provide authorization for ASNM to contact you via email.

Signature _____

Registration Fees for MEMBERS:		
Deadline Date	Cost	Amount
Until November 5, 2008	\$425.00	
After November 5, 2008	\$525.00	
	TOTAL*	

Registration Fees for NON-MEMBERS:		
Deadline Date	Cost	Amount
Until November 5, 2008	\$550.00	
After November 5, 2008	\$650.00	
	TOTAL*	

***Full Registration includes all events.**

Please make checks payable to: ASNM, or charge credit card by completing this information:

Visa / MasterCard Card # _____ / _____ / _____ / _____ Exp. Date _____

Amount \$ _____ Authorized Signature _____

Refund Policy: Registration fees are NONREFUNDABLE! Check the ASNM website for updates (ASNM.org)

For program information contact: ASNM (800) 479-7979

Mail Registration to: ASNM

20 North Michigan Avenue, Suite 700 • Chicago, IL 60602
OR Fax: 1 800 479 7989



ASNM

American Society of Neurophysiological Monitoring

MEMBERSHIP APPLICATION

Last Name: _____ First Name: _____ MI: _____

Professional or Academic Designation (M.D., CNIM, CCC-A, etc.): _____

Title: _____ Institution: _____

Department: _____

Address: _____

City: _____ State: _____ Zip Code: _____

☐ Please use my home address for correspondence.

Home Address: (optional) _____

Business Phone: (____) - ____ - _____ Ext.: _____

Fax: (____) - ____ - _____ E-Mail: _____

What title best describes your involvement in Neuromonitoring?:

Role: ☐ Technologist ☐ Interpreting Neurophysiologist ☐ Non-Neurophysiologist Physician
☐ Administrator ☐ Manager ☐ Student ☐ Commercial

Highest Degree: ☐ Assoc. ☐ BS/BA ☐ Masters ☐ PhD/Au.D. ☐ MD/DO

Specific Subcategories: ☐ Audiologist ☐ Nurse ☐ PA ☐ Chiropractor ☐ PT ☐ Other (specify) _____

Credentials: ☐ ABNM ☐ Medical Neurophys Board ☐ CNIM ☐ Other Technical Credentials (specify) _____

Full Membership

☐ Please exclude me from commercial distributions of the membership directory

☐ Please exclude me from the Website Membership Directory

☐ I have enclosed a check for \$_____.____ (US dollars)

☐ I am paying by: ☐ Visa ☐ Mastercard

Billing Address: _____

Credit Card Number: _____ Expiration: ____/____/____

CID #: _____ Signature: _____

Instructions

All applicants please submit **two copies of your Curriculum Vitae or Resume**
and the first year's membership fee of \$125.00 for full membership to:

ASNM

20 North Michigan Avenue, Suite 700, Chicago, Illinois 60602 • Phone: 800.479.7979 • Fax: 800.479.7989

ASNM

20 North Michigan Ave., Suite 700

Chicago, IL 60602



Come and Join us on our
Regional Symposia
2008 Education Courses
and see the area sights . . .



December 5 & 6, 2008
Newport Beach, CA

October 25 & 26, 2008
Dallas/WestLake, TX