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15th Annual ASNM Meeting

May 13~16, 2004

Holiday Inn Riverwalk • San Antonio, Texas

Visit us at www.asnm.org

For more information contact:

Center for Continuing Education in the Health Sciences

Phone: (412) 647-8232 • Fax (412) 647-8222

E-mail CCEHS@upmc.edu



*Jointly Sponsored by the
American Society of Neurophysiological Monitoring
and the
University of Pittsburgh School of Medicine
Center for Continuing Education
in the Health Sciences*

**Holiday Inn Riverwalk
San Antonio, Texas**

Board Reviews:
Thursday, May 13, 2004

Course Director

Tod Sloan, MD, PhD
Professor, Anesthesiology
University of Texas Health Science Center

15th Annual ASNM Meeting



THE AMERICAN SOCIETY OF NEUROPHYSIOLOGICAL MONITORING

May 13~16, 2004



Vision and Mission Statement

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 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

Intent and Overview

The structure of the 15th Annual ASNM Meeting is to provide both a review of basic neurophysiologic monitoring technology and methods in addition to a forum for presentation and discussion of cutting edge concepts in the field. Prior to the main meeting, participants will have the opportunity to attend two review sessions on Thursday evening, May 13, 2004 focused towards the CNIM™ certification, which is administered by ABRET and the Diplomat certification, administered by ABNM.

The conference will begin on Friday, May 14, 2004 with two parallel sessions that will allow attendees to participate in an entire day of basic didactic lectures and case presentations, or attend contributed papers on cutting edge topics. The Saturday sessions are structured to provide a forum for scientific and case presentations, special interest seminars, and focused reviews of specialized topics. Sunday will conclude with a half-day session that will focus on various aspects of the business and practice of neurophysiologic monitoring.

Objectives

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

- Discuss the basic principles for conducting and interpreting intraoperative neurophysiological monitoring (IOM).
- Identify the basic neuroanatomy and neurophysiology relevant to IOM.
- Identify the basic tenants of ethics related to IOM.
- Describe the principles and methods of recording and monitoring during procedures for chronic pain management and deep brain stimulation.
- 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.

Who Should Attend

This symposium is designed for physician and non-physician practitioners involved with patients where neurophysiological monitoring may be used and who wish to refine and expand their knowledge or skills. 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. The review courses on Thursday evening will be useful for practitioners preparing for the CNIM™ and ABNM exam.*

Continuing Education Credit

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 the University of Pittsburgh School of Medicine and American Society of Neurophysiological Monitoring. The University of Pittsburgh School of Medicine, as part of the Consortium for Academic Continuing Medical Education, is accredited by the ACCME to provide continuing medical education for physicians.

The University of Pittsburgh School of Medicine designates this educational activity for a maximum of 19.50 Category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

Other health care professionals are awarded 1.950 continuing education units (CEU's) which are equal to 19.50 contact hours.



The University of Pittsburgh School of Medicine is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to offer continuing education activities in speech-language pathology and audiology. ASET "ACE" Credits has been applied for. ASHA CE Provider approval does not imply endorsement of course, content, specific products, or clinical procedures.

Meeting Location

The meeting will be held at the Holiday Inn Riverwalk, 217 N. St. Mary's, San Antonio, Texas, 78205. A block of rooms has been reserved at special conference rates starting at \$119 for single/double occupancy plus applicable taxes. Please call 1-800-445-8475 in the continental U.S. or direct (210) 224-2500. You must specify that you are an ASNM participant to receive the special room rates. All registrants are strongly encouraged to stay at the hotel. There are substantial society financial penalties for under-occupancy of our conference hotel. Please be advised that April 10, 2004 is the last day to receive the group rates. Reservations will be accepted on a space available basis after that date. Take advantage of the special rates by booking early. Check the ASNM web page for updates, abstracts, and travel information at www.ASNM.org.

*CNIM is a trademark of ABRET. Neither ABRET nor ABNM has reviewed the material in this course and neither endorses nor approves it.

Schedule

Thursday, May 13, 2004

- 8:00 AM – 5:00 PM ASNM Board Meeting
- 3:00 PM – 7:00 PM Registration & Board Welcome Reception
- 5:00 PM – 7:00 PM CNIM & ABNM Review Sessions
Rebecca J. Clark-Bash, R EEG/EP T and Ronald C. Pearlman, PhD
- 7:00 PM Adjournment

Friday, May 14, 2004

- 7:00 AM– 5:00 PM General Registration
- 7:00 AM Continental Breakfast
- 8:00 AM Welcome and Announcements
ASNM Society President: Bernard A. Cohen, PhD
Course Director/Program Host: Tod Sloan, MD, PhD
- 8:30 AM **Program Introduction & Presidential Lecture**
Medical Ethics and Intraoperative Monitoring
Speaker: Robyn S. Shapiro, JD
Moderator: Bernard A. Cohen, PhD
- 9:45 AM Break, Refreshments and Exhibits

Please select either "Contributed Paper Session" or "Parallel Review Session" which will run concurrently.
(see Registration Form on page 9)

10:15 AM– 5:00 PM **Contributed Paper Session**

- 10:15 AM CONTRIBUTED PAPERS #1-4
- NOON Lunch on Your Own
- 1:30 PM CONTRIBUTED PAPERS #5-8
- 3:00 PM Break, Refreshments and Exhibits
- 3:30 PM CONTRIBUTED PAPERS #9-12

10:15 AM– 5:00 PM **Parallel Review Session**

REVIEW SESSION ONE

- 10:15 AM Basic Neuroscience for IONM
Nguyen D. Kien, PhD
- 11:00 AM Basic Anesthesia – Four Goals of Anesthesia, MAC, TIVA
Tod Sloan, MD, PhD
- 11:30 AM Intraoperative EMG
Robert Hankey, MS
- NOON Lunch on Your Own

REVIEW SESSION TWO

- 1:30 PM Somatosensory Evoked Potentials
Anthony K. Sestokas, PhD
- 2:15 PM Motor Evoked Potentials
Lawrence Wierzbowski, AuD
- 3:00 PM Break, Refreshments and Exhibits

REVIEW SESSION THREE

- 3:30 PM IONM Case Presentation
M. Nancy Mirarchi, DC
- 4:00 PM IONM Case Presentations
Lawrence R. Wierzbowski, AuD
- 4:30 PM tcMEP Workshop
Sabrina G. Beacham, R.EEG/EP T and Lawrence R. Wierzbowski, AuD
- 5:00 PM Adjournment
- 5:00 PM – 7:00 PM Wine and Cheese Reception with Vendors

Saturday, May 15, 2004

- 7:00 AM Breakfast with the Experts
- 8:00 AM Opening Remarks and Introduction
Tod Sloan, MD, PhD
- 8:15 AM **Digitimer Endowed Lecture**
Physiology of Transcranial Magnetic Stimulation
Mark Hallett, MD
Moderator: Tod Sloan, MD, PhD
- 9:15 AM Monitoring During Pain Procedures
Speaker: Anthony K. Sestokas, PhD
Moderator: Sabrina G. Beacham, R EEG/EP T
- 10:00 AM Break – Refreshments and Exhibits
- 10:30 AM Clinical Case Dilemmas and Decision Making
Moderator: Mark Stecker, MD, PhD
- NOON Break
- 12:20 PM Lunch, Business Meetings and Awards
- 2:30 PM Deep Brain Stimulation
Jay L. Shils, PhD
- 3:30 PM Break, Refreshments and Exhibits
- 4:00 PM Controversies in Neuromonitoring
Moderator: Rebecca J. Clark-Bash, R EEG/EP T
- 5:30 PM Adjournment

Sunday, May 16, 2004

7:00 AM	Breakfast with the Experts
8:00 AM	Practice Issues Session Moderator: Bernard A. Cohen, PhD Speakers: Donald H. York, PhD Mark Stecker, MD, PhD Sabrina G. Beacham, R EEG/EP T Robert E. Minahan, MD Michael McCaffrey, PhD Robbie R. Allen, AICN Julia Versteegh Robyn S. Shapiro, JD
10:00 AM	Break, Refreshments and Exhibits
10:30 AM	Practice Issues Session, <i>continued</i>
NOON	Conference Adjournment
1:30 PM – 5:00 PM	ABNM Oral Examinations

ASNM Society President

Bernard A. Cohen, PhD, FASNM
Neurological Monitoring Associates LLC
Milwaukee, WI

Course Director/Local Host

Tod Sloan, MD, PhD
Professor, Anesthesiology
University of Texas Health Science Center
San Antonio, Texas

Co-Course Director

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

Faculty

Robbie R. Allen
AICN Senior Instructor, Anatomy
AICN Senior Instructor, Pharmacology
President, Southern Neurophysiology
Alpharetta, GA

Rebecca J. Clark-Bash, R EEG/EP T, CNIM
President
Knowledge Plus, Inc.
Lincolnshire, IL

Sabrina G. Beacham, REEG/EP T, CNIM
Surgical Monitoring Associates
Bala Cynwyd, PA

Bernard A. Cohen, PhD, FASNM
Neurological Monitoring Associates LLC
Milwaukee, WI

Mark Hallett, MD
Human Motor Control Section
Medical Neurology Branch, NINDS NIH
Bethesda, MD

Robert Hankey, MS, CCC-A
Neurophysiology Consultants
Omaha, NE

Nguyen D. Kien, PhD
Department of Anesthesiology
UC Davis Medical Center
Sacramento, CA

Michael T. McCaffrey, PhD
Executive Director of Clinical Services
US Neuromonitoring
Chicago, IL

Robert E. Minahan, MD
Associate Professor
Department of Neurology
Georgetown University
Baltimore, MD

M. Nancy Mirarchi, DC
Surgical Monitoring Associates
Bala Cynwyd, PA

Ronald C. Pearlman, PhD, CCC-A,
DABNM, FASNM
Audiologist
Howard University
North Potomac, MD

Anthony K. Sestokas, PhD, DABNM
Surgical Monitoring Associates, Inc.
Bala Cynwyd, PA

Robyn S. Shapiro, JD
Partner, Michael Best & Friedrich
Milwaukee, WI

Jay L. Shils, PhD
Beth Israel Medical Center
Department of Neurosurgery
New York, NY

Mark Stecker, MD, PhD, FASNM, DABNM
Geisinger Medical Center
Department of Neurology
Danville, PA

Julia Versteegh
Marketing Director
Crifasi Insurance
Atlanta, GA

Lawrence R. Wierzbowski, AuD, DABNM
Surgical Monitoring Associates
Bala Cynwyd, PA

Donald H. York, PhD, FASNM
Director, Department of Neuroscience
St. Johns Medical Center
St. Louis, MO

In accordance with Accreditation Council for Continuing Medical Education requirements on disclosure, information about relationships of presenters with commercial interests (if any) will be included in materials distributed at the time of the conference.

Registration Information

We strongly encourage you to register on-line via our secure web site to receive immediate confirmation of attendance. http://www.upmc.edu/CCEHS/CME/Formal_Courses.asp

All registration forms must be postmarked by **April 29, 2004** to pre-register for this conference. We cannot guarantee space in the program or any program inclusions for those registrations we receive after this date.

A confirmation letter will be faxed or mailed if registration is completed through the mail by the registration deadline. If you register on-line, you will receive immediate confirmation. Please note: Registration is not complete until you receive this confirmation letter. If you do not receive this letter, please contact us at (412) 647-8232.

You must bring this letter with you to the conference.

All cancellations must be in writing, via US mail and must be accompanied by the original registration receipt. Tuition for cancellations postmarked or date stamped before May 1, 2004 will be refunded less a \$50.00 service charge. After May 1, 2004 a \$35 administrative fee will be assessed. No refunds will be made after May 1, 2004. Cancellation requests can be made to:

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Medical Arts Building, Suite 220
200 Lothrop Street, Pittsburgh, PA 15213-2582
Telephone: (412) 647-9539 or (412) 647-8232
Fax: (412) 647-8222 • E-mail: CCEHS@upmc.edu

The UPMC/Center for Continuing Education in the Health Sciences reserves the right to cancel this program if sufficient registrations are not received. In the case of cancellation, the department will fully refund registration fees.

Registration Fees

Before April 22, 2004

• Society Members \$345 • Non-Society Members \$445 • Students* \$295

After April 22, 2004

• Society Members \$445 • Non-Society Members \$545 • Students* \$395

Daily Participant Rate: \$200 per day – check day(s): Friday Saturday Sunday

**Verification of student status must accompany application. Verification will also be required at registration desk.*

Registration fee includes:

- Admission to all educational activities
- Continuing education credit
- Course materials
- Continental breakfast, refreshments and lunch as specified in schedule

Registration Form (for use only if not registering on-line)

The 15th Annual Meeting of the American Society of Neurophysiological Monitoring

May 13-16, 2004

Course #K128

Please type or print; photocopy both sides of this form for additional registrants.

No registration will be accepted without payment.

Social Security Number _____

Prefix Mr. Mrs. Dr. Ms. Other _____ (please indicate)

First Name _____

Last Name _____

} This is how your name will appear on your name badge.

Suffix (Jr., Sr., etc.) _____

Company/Institutional Affiliation _____

Specialty _____

E-mail Address _____

Degree (List only one.) MD DO Resident PhD MPH RN Other _____

Address _____

City _____ State _____ ZIP Code _____

Telephone (_____) _____

Fax (_____) _____

I require a vegetarian lunch. I require a kosher lunch.

I intend to participate in the Thursday evening CNIM/ABNM Review Sessions.

Please select your preferred Friday session (10:00 AM – 5:00 PM)

I will attend the Contributed Paper Review Session I will attend the Parallel Review Session

Registration Fees

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Registration fee enclosed \$ _____

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Method of Payment

Check

- Employer check Personal check

Make checks payable to UPMC/Center for Continuing Education in the Health Sciences. If paying by employer check under separate cover, personal credit card information must be provided to guarantee registration. In these cases, the credit card will only be billed if payment is not received within four weeks of the course. There will be a \$25.00 returned check fee.

Credit Card

- MasterCard Discover American Express Visa

Credit Card No. _____

Expiration Date (Month/Year) _____

Signature _____

Send payment with this form to:

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Medical Arts Building, Suite 220
200 Lothrop Street
Pittsburgh, PA 15213-2582

No registration will be accepted without payment.

For additional information, contact:

Kristie Maple, Conference Manager
Telephone: (412) 647-9539 or (412) 647-8232
Fax: (412) 647-8222
E-mail: CCEHS@upmc.edu

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Special Needs



Participation by all individuals is encouraged. Advance notification of any special needs will help us provide better service. Please notify us of your needs *at least two weeks* in advance of the program by calling (412) 647-8232.

The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, disability, or status as a disabled veteran or a veteran of the Vietnam era. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University's mission. This policy applies to admissions, employment, access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations. For information on University equal opportunity and affirmative action programs and complaint/grievance procedures, please contact: William A. Savage, Assistant to the Chancellor and Director of Affirmative Action (and Title IX and 504 Coordinator), Office of Affirmative Action, 901 William Pitt Union, University of Pittsburgh, Pittsburgh, PA 15260, (412) 648-7860.