

**AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY
2012 ANNUAL MEETING AND COURSES
FEBRUARY 7-12, 2012**

MARRIOTT RIVERCENTER* - SAN ANTONIO, TEXAS

**Please note that some early Courses will be held at the Marriott Riverwalk,
located across the street from the Marriott Rivercenter.*

PRELIMINARY PROGRAM

~ ANNUAL COURSES ~

Tuesday, February 7

INTRAOPERATIVE MONITORING COURSE, PART I

9:00 A.M. - 5:00 P.M.

Course Co-Directors: Jaime R. Lopez, M.D. and Alan D. Legatt, M.D., Ph.D.

Objectives: (1) To provide a review of the ways in which recordings of sensory and motor evoked potentials, EEG, EMG, and spinal reflex activity, as well as stimulation within the surgical field, are used to monitor the nervous system and to localize and identify neural structures during surgery in which portions of the nervous system are at risk; (2) to provide a review of the ways in which intraoperative monitoring (IOM) is used to guide placement of electrodes for deep brain stimulation; (2) to provide a review of the ways in which Doppler ultrasound can be used to monitor the blood supply to portions of the nervous system during surgery that may affect that blood supply; and (4) to provide a review of the effects of anesthetic drugs on IOM, and recommendations for anesthetic management when IOM is being performed.

Wednesday, February 8

EP READING SESSION

7:00 a.m. - 8:30 a.m.

Course Director: Ron Emerson, M.D.

Objectives: (1) To provide basics of interpretation of visual, brainstem auditory, and somatosensory evoked potentials; and (2) to provide practice in reading various clinical evoked potential studies.

SLEEP PRIMER

7:00 a.m. - 8:30 a.m.

Course Director: Rodney Radtke, M.D.

Objectives: (1) To provide a basic understanding of the principal pathological conditions associated with sleep and (2) to introduce new areas of interest and treatments.

NEONATAL EEG

7:00 a.m. - 8:30 a.m.

Course Director: Nicholas Abend, M.D.

Objectives: (1) To provide the adult and child neurologist with an understanding and means to interpret the normal ontogeny and common abnormalities encountered in neonatal EEG recordings and (2) to identify common ictal patterns and the impact on outcome.

INTRAOPERATIVE MONITORING COURSE, PART II

9:00 A.M. - 5:00 P.M.

Course Directors: Jaime R. Lopez, M.D. and Alan D. Legatt, M.D., Ph.D.

Objectives: (1) To provide a review of the ways in which recordings of sensory and motor evoked potentials, EEG, EMG, and spinal reflex activity, as well as stimulation within the surgical field, are used to monitor the nervous system and to localize and identify neural structures during surgery in which portions of the nervous system are at risk; (2) to provide a review of the ways in which intraoperative monitoring (IOM) is used to guide placement of electrodes for deep brain stimulation; (2) to provide a review of the ways in which Doppler ultrasound can be used to monitor the blood supply to portions of the nervous system during surgery that may affect that blood supply; and (4) to provide a review of the effects of anesthetic drugs on IOM, and recommendations for anesthetic management when IOM is being performed.

EEG COURSE: EEG IN EPILEPSY: THE BOUNDARIES OF EEG

9:00 a.m. - 5:00 p.m.

Course Directors: William Tatum D.O., and Raj Sheth, M.D.

Objectives: (1) To provide a state-of-the-art review of the ontogeny of EEG and related clinical neurophysiologic techniques and their implications for patients with focal and generalized seizures. We will focus on basic skill sets used in the EEG laboratory, outpatient and hospital settings as well as in special care units. (2) Interpretation of EEG in the context of digital video-EEG, and various techniques of continuous, ambulatory, and the epilepsy monitoring for the purposes of selecting medical and surgical therapies will be discussed. (3) We will review the salient features of the ACNS guidelines for recording and (4) will summarize the essential features that clinical EEG holds from infancy into the senior years. The preceding early morning session on Neonatal EEG will immediately take place prior to the annual course to complete the spectrum of age related changes and variation of the epileptogenic zone present in diagnosing and treating epilepsy. This program will have an increasing degree of difficulty from the essentials of generalized seizures to advanced techniques in localization-related epilepsy.

Thursday, February 9

EMG AND EEG TECHNOLOGY

7:00 a.m. - 8:30 a.m.

Course Director: Chip Epstein, M.D.

Objectives: This morning seminar will introduce the digital EEG technology and provide the essentials for understanding the technical limitations of EMG performance in the routine laboratory setting. The basics for recording techniques and latest recommendations for performing these technologies will be highlighted to facilitate an understanding of their clinical applications.

NERVE CONDUCTION WORKSHOP

7:00 a.m. - 8:30 a.m.

Course Director: Mark Ross, M.D.

Objectives: This workshop will include a review and demonstration of how to perform motor and sensory nerve conduction studies. The principles and techniques of stimulation and recording responses of peripheral nerves will be demonstrated. This will include motor and sensory nerve conduction studies of major nerves routinely studied in the EMG laboratory. There will be an opportunity for participants to have hands-on experience with performing these techniques.

APPLIED AUTONOMIC NEUROPHYSIOLOGY

7:00 a.m. - 8:30 a.m.

Course Director: Art Leis, M.D.

Objectives: This pilot program is designed to highlight the clinical application of autonomic neurophysiology for the clinician. The goal is to (1) provide a basic understanding of the complexity of the autonomic nervous system and studies utilized in the diagnosis of autonomic disorders and (2) describe the interventions that may follow with respect to treatment challenges.

ICU EEG COURSE

9:00 a.m. - 5:00 p.m.

Course Directors: Suzette LaRoche, M.D. and Larry Hirsch M.D.

Objectives: (1) To provide a review of current topics in interpretation of EEG in the ICU; (2) to provide a review of the technical basics of digital EEG and trending strategies using QEEG; (3) to provide a review of interictal and ictal EEG in children and adults during continuous EEG; and (4) to review the semiology of seizures and status epilepticus for patients with altered mental status and coma.

EMG COURSE

9:00 a.m. - 5:00 p.m.

The American Clinical Neurophysiology Society designates this live activity for a maximum of [number of credits] *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

~ ANNUAL MEETING ~

Friday, February 10

7:00 a.m. - 8:00 a.m.

Continental Breakfast - Visit Exhibits and Posters

8:00 a.m. - 8:15 a.m.

OPENING CEREMONY AND WELCOME

8:15 a.m. - 9:00 a.m.

PRESENTIAL LECTURE: Douglas R. Nordli Jr., M.D.

9:00 a.m. - 9:45 a.m.

ROBERT S. SCHWAB AWARD PRESENTATION AND LECTURE: William R. Kennedy, M.D.

9:45 a.m. - 10:00 a.m.

TRAVEL FELLOWS' RECOGNITION CEREMONY

10:00 a.m. - 10:30 a.m.

Coffee Break - Visit Exhibits and Posters

CONCURRENT SESSIONS

10:30 a.m. - 12:30 p.m.

SYMPOSIUM: NEW TECHNIQUES AND CONTROVERSIES IN ELECTRODIAGNOSIS

Chair: Morris A. Fisher, M.D.

10:30 a.m. - 12:30 p.m.

SYMPOSIUM: ROLE OF ECoG INTERICTAL ACTIVITY IN LOCALIZING THE EPILEPTOGENIC ZONE

Co-Chairs: James Tao, M.D. and John S. Ebersole, M.D.

12:30 p.m. - 1:30 p.m.

Lunch (provided) - Visit Exhibits and Posters

CONCURRENT SESSIONS

1:30 p.m. - 3:30 p.m.

SYMPOSIUM: INVASIVE AND NON-INVASIVE MONITORING OF THE INJURED BRAIN

Chair: Jan Claassen, M.D., Ph.D.

1:30 p.m. - 3:30 p.m.

SYMPOSIUM: ELECTROPHYSIOLOGICAL, RADIOLOGICAL AND CLINICOPATHOLOGICAL CORRELATES OF MUSCLE DISEASE

Chair: Elliot Dimberg, M.D.

3:30 - 4:00 p.m.

Coffee Break - Visit Exhibits and Posters

CONCURRENT SESSIONS

4:00 p.m. - 5:30 p.m.

WORKSHOP: ELECTROCLINICAL CORRELATION: HUMAN-COMPUTER INTERFACING FOR IDENTIFICATION AND REPORTING OF EEG

Co-Chairs: William O. Tatum IV, D.O., and Jonathan J. Halford, M.D.

4:00 p.m. - 5:30 p.m.

HANDS-ON WORKSHOP: IMPEDANCE ELECTROMYOGRAPHY

Chair: Seward Rutkove, M.D.

4:00 p.m. - 5:30 p.m.

HANDS-ON WORKSHOP: QUANTITATIVE ANALYSIS IN ICU CONTINUOUS EEG MONITORING

Chair: Susan T. Herman, M.D.

5:30 p.m. - 6:45 p.m.

NEUROPHYS BOWL

Co-Chairs: Lawrence J. Hirsch, M.D., and Mark A. Ross, M.D.

To participate as an individual or with a team, download the form from www.ACNS.org or contact the ACNS Executive Office by email (ACNS@ssmgt.com) or phone (860-243-3977).

Come cheer on your colleagues as they test their knowledge of clinical neurophysiology!

6:45 p.m. - 8:00 p.m.

ATTENDEES RECEPTION - Visit Exhibits and Posters

Saturday, February 11

7:00 a.m. - 8:00 a.m.

Continental Breakfast - Visit Exhibits and Posters

8:00 a.m. - 8:15 a.m.

HERBERT H. JASPER AWARD PRESENTATION: Warren T. Blume, M.D.

8:15 p.m. - 9:00 a.m.

PIERRE GLOOR AWARD PRESENTATION AND LECTURE: Donald L. Schomer, M.D.:

9:00 a.m. - 10:00 a.m.

SPECIAL SESSION: Damian Cruse, Ph.D.

10:00 a.m. - 10:30 a.m.

Coffee Break - Visit Exhibits and Posters

CONCURRENT SESSIONS

10:30 a.m. - 12:30 p.m.

SYMPOSIUM: ADVANCES IN THE ELECTROPHYSIOLOGICAL ASSESSMENT OF COMA IN THE ICU

Co-Chairs: Peter W. Kaplan, M.B.,B.S., F.R.C.P. and G. Bryan Young, M.D.

10:30 a.m. - 12:30 p.m.

HANDS-ON WORKSHOP: NEUROMUSCULAR ULTRASOUND

Chair: Francis O. Walker, M.D.

12:30 p.m. - 1:30 p.m.

Lunch (provided) - Visit Exhibits and Posters

CONCURRENT SESSIONS

1:30 p.m. - 3:30 p.m.

SYMPOSIUM: MULTIMODAL VISUALIZATION AND FUNCTIONAL MAPPING IN EPILEPSY

Co-Chairs: Elizabeth W. Pang, Ph.D., Giridhar P. Kalamangalam, M.D. and Stephan Schuele, M.D., M.P.H.

1:30 p.m. - 3:30 p.m.

SYMPOSIUM: NEUROMUSCULAR DISORDERS IN THE ICU

Chair: Suraj Ashok Muley, M.D.

3:30 p.m. - 4:00 p.m.

Coffee Break

CONCURRENT SESSIONS

4:00 p.m. - 6:00 p.m.

SYMPOSIUM: EEG SOURCE IMAGING AND MAPPING OF FUNCTIONAL CONNECTIVITY IN EPILEPSY

Chair: Kitti Kaiboriboon, M.D.

4:00 p.m. - 6:00 p.m.

HANDS-ON WORKSHOP: PERIPHERAL MAGNETIC STIMULATION

Chair: Paul J. Maccabee, M.D.

6:00 p.m. - 6:30 p.m.

ACNS ANNUAL BUSINESS MEETING

Sunday, February 12:

7:30 a.m. - 8:00 a.m.

Continental Breakfast

CONCURRENT SESSIONS

8:00 a.m. - 10:00 a.m.

SPECIAL INTEREST GROUP: PEDIATRIC NON-CONVULSIVE STATUS EPILEPTICUS

Co-Chairs: Tobias Loddenkemper, M.D., and James J. Riviello Jr., M.D.

8:00 a.m. - 10:00 a.m.

SPECIAL INTEREST GROUP: CEREBRAL NETWORKS IN EPILEPSY: MERGING STRUCTURE, FUNCTION AND CLINICAL CARE

Chair: Gabriel U. Martz, M.D.

8:00 a.m. - 10:00 a.m.

WORKSHOP: THE "BUSINESS" OF NEUROPHYSIOLOGY

Co-Chairs: Yafa Minazad, D.O. and Deborah Briggs, M.D.

10:00 a.m. - 10:15 a.m.

Coffee Break

10:15 a.m. - 12:15 p.m.

SPECIAL INTEREST GROUP: INTRAOPERATIVE NEUROPHYSIOLOGIC MONITORING

Co-Chairs: Jaime R. Lopez, M.D. and Marc R. Nuwer, M.D., Ph.D.

10:15 a.m. - 12:15 p.m.

SPECIAL INTEREST GROUP: ICTAL BASELINE SHIFTS AND INFRASLOW ACTIVITY

Chair: Ernst Rodin, M.D.

10:15 a.m. - 12:15 p.m.

WORKSHOP: TREATMENT OF EPILEPTIFORM PATTERNS IN THE ICU

Co-Chairs: Jong Woo Lee, M.D., and Susan T. Herman, M.D.

**REGISTRATION FORM TO BE AVAILABLE SOON ... FOR QUESTIONS, CONTACT THE
ACNS EXECUTIVE OFFICE AT EMAIL ACNS@SSMGT.COM OR PHONE 860-243-3977**

**Please Join Us In
San Antonio!**