ACNS Fall Courses
SEPTEMBER 24-25, 2016 Sheraton Music City
Nashville, Tennessee
ABOUT THE AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY

ACNS is a professional association dedicated to fostering excellence in clinical neurophysiology and furthering the understanding of central and peripheral nervous system function in health and disease through education, research, and the provision of a forum for discussion and interaction.

Founded in 1946 and originally named the American Electroencephalographic Society (AEEGS), ACNS is the major professional organization in the United States devoted to the establishment and maintenance of standards of professional excellence in clinical neurophysiology in the practice of neurology, neurosurgery and psychiatry. ACNS members utilize neurophysiology techniques in the diagnosis and management of patients with disorders of the nervous system and in research examining the function of the nervous system in health and disease.

ABOUT THE FALL COURSES

The 2016 Fall Courses are designed around two rapidly-evolving areas of clinical neurophysiology, Neuropyschologic Intraoperative Monitoring (NIOM) and Intensive Care Unit EEG Monitoring (ICU EEG). Educational activities will cover both basic methodologies for those practitioners new to NIOM and ICU EEG, and innovative techniques. Last year’s morning courses, Epilepsy Surgery and Pediatric EEG will again be offered for the 2016 Fall Courses.

FALL COURSES LEARNING OBJECTIVES

Intensive Care Unit EEG Monitoring (ICU EEG)

At the conclusion of this course, participants should be able to:
1. Recognize common indications for CEEG in the ICU setting in neonates, children, and adults;
2. Interpret EEG patterns encountered in the ICU, including seizures, periodic patterns and other background patterns important for prognosis and management;
3. Utilize quantitative EEG methods to see long-term trends, screen for seizures rapidly, and to detect signs of ischemia;
4. Describe the value and limitations of routine EEG and continuous EEG monitoring to predict neurologic outcomes in hypoxic ischemic encephalopathy;
5. Recognize the specific EEG patterns induced by different anesthetics used in general anesthesia and in the ICU;
6. Select appropriate equipment for ICU-EEG monitoring, including networking and data storage options;
7. Determine optimal staffing, data review, and reporting practices.

Neuropyschologic Intraoperative Monitoring (NIOM)

At the conclusion of this course, participants should be able to:
1. Recognize the appropriate methods and setting for a variety of NIOM techniques commonly utilized;
2. Identify appropriate methods and setting for a variety of NIOM techniques uncommonly utilized;
3. Discuss NIOM case presentations including interpretation of neurophysiologic data;
4. Recognize some of the technical challenges in performing and interpreting NIOM;
5. Identify updated information on NIOM practices.

Epilepsy Surgery Update

At the conclusion of this course, the participant should be able to:
1. Discuss concepts and approach to Stereo-EEG;
2. Discuss several approach to minimally invasive epilepsy surgery;
3. Describe principles of different stimulation techniques in the treatment of epilepsy and choose the appropriate intervention for individual patients.

Pediatric EEG Update

At the conclusion of this course, participants should be able to:
1. Apply an organized approach to the interpretation of neonatal EEG recordings;
2. Recognize the cardinal clinical and EEG features of neonatal seizures and epilepsy;
3. Identify the cardinal clinical and EEG features of pediatric seizures and epilepsy.

TARGET AUDIENCE

The Society's educational activities are directed to clinical neurophysiologists, neurologists, psychiatrists, physiatrists, neurosurgeons, trainees in these disciplines and other physicians and researchers who utilize clinical neurophysiologic techniques and knowledge in the diagnosis and management of patients with disorders of the peripheral and central nervous system.

ACCREDITATION STATEMENT

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 sponsorship of ACNS. ACNS is accredited by the ACCME to provide continuing medical education for physicians.

CREDIT DESIGNATION

ACNS designates the Fall Courses for the maximum number of AMA PRA Category 1 Credit(s)™ indicated below:

- Intensive Care Unit EEG Monitoring (ICU EEG): 10 AMA PRA Category 1 Credits™
- Neuropyschologic Intraoperative Monitoring (NIOM): 12.5 AMA PRA Category 1 Credits™
- Epilepsy Surgery Update: 1.5 AMA PRA Category 1 Credits™
- Pediatric EEG Update: 1.5 AMA PRA Category 1 Credits™

Physicians should claim only credit commensurate with the extent of their participation in the activity.

IMPORTANT DATES

Housing Open Now! Registration Open Now!

- September 8, 2016: Housing Deadline
- September 8, 2016: Advance Registration Deadline
- September 12, 2016: Registration Cancellation Deadline

For complete program information and to register, visit www.acns.org/meetings/fall-courses/2016-fall-courses.

THE ACNS 2016 FALL COURSES WILL BE HELD AT THE SHERATON MUSIC CITY:

777 McGavock Pike, Nashville, TN 37214

ACNS Group Rate: $199/night; single/double occupancy
Housing Open Now! Housing Deadline: September 8, 2016
Visit the ACNS website for hotel and travel information (http://www.acns.org/meetings/fall-courses/2016-fall-courses).

Reservations will be accepted on a space-available basis at the standard hotel rate after the housing deadline of September 8, 2016. Please reserve your rooms before the deadline to take advantage of the group rate.
Morning Courses
7:30 – 9:00am

Epilepsy Surgery Update
Saturday, September 24
Course Co-Directors: Stephan U. Schuele, MD, MPH, FACNS & William O. Tatum, DO, FACNS

AGENDA:
7:30am Intracranial EEG Using Stereo-EEG
Stephan U. Schuele, MD, MPH, FACNS
8:00am Stereotactic Minimally Invasive Epilepsy Surgery
William O. Tatum, IV, DO, FACNS
8:30am Neurostimulation: Choices and Challenges
Amir M. Arain, MD
9:00am Adjourn

Pediatric EEG Update
Sunday, September 25
Course Co-Directors: Cecil D. Hahn, MD, MPH, FACNS & Tobias Loddenkemper, MD, FACNS

AGENDA:
7:30am Introduction to Neonatal EEG
Cecil D. Hahn, MD, MPH, FACNS
8:00am Neonatal Epilepsy – Clinical and EEG Features
Tammy Tsuchida, MD, PhD, FACNS
8:30am Pediatric Epilepsy – Clinical and EEG Features
Tobias Loddenkemper, MD, FACNS
9:00am Adjourn

TWO-DAY COURSES
Saturday, September 24 & Sunday, September 25 (9:15am – 5:00pm)

Neurophysiologic Intraoperative Monitoring (NIOM)
Course Co-Directors: Gloria Galloway, MD, FACNS & Marc R. Nuwer, MD, PhD, FACNS

AGENDA:
Saturday, September 24
9:15am Welcome
Marc R. Nuwer, MD, PhD, FACNS
9:20am SEP
Aatif M. Husain, MD, FACNS
10:05am MEP
Ronald Emerson, MD, FACNS
10:50am Coffee Break & Visit Exhibits
11:10am BAEP
Alan Legatt, MD, PhD, FACNS
11:55am Lunch & Visit Exhibits
1:00pm Endovascular NIOM
Jaime R. López, MD, FACNS
1:45pm Electrocorticography
Marc R. Nuwer, MD, PhD, FACNS
2:30pm Coffee Break & Visit Exhibits
2:45pm Cranial Nerve Mapping and Monitoring
Jaime R. López, MD, FACNS
4:20pm CP Angle Surgery/Microvascular Decompression
Alan Legatt, MD, PhD, FACNS
5:00pm Adjourn

Sunday, September 25
9:15am Welcome
Gloria Galloway, MD, FACNS
9:20am Anesthesia Considerations
Ronald Emerson, MD, FACNS
10:05am Lumbosacral Surgery
Gloria Galloway, MD, FACNS
10:50am Coffee Break
11:10am Billing and Coding
Marc R. Nuwer, MD, PhD, FACNS
11:55am Lunch
1:00pm Peripheral Nerve Monitoring TBD
1:45pm SDR
Gloria Galloway, MD, FACNS
2:30pm Coffee Break
2:45pm Tethered Cord
Aatif M. Husain, MD, FACNS
4:20pm Cauda Equina Monitoring TBD
5:00pm Adjourn

Program is tentative; topics and speakers are subject to change.
PROGRAM OVERVIEW

TWO-DAY COURSES
Saturday, September 24 & Sunday, September 25 (9:15am – 5:00pm)

Intensive Care Unit EEG Monitoring (ICU EEG)
Course Co-Directors: Tammy Tsuchida, MD, PhD & M. Brandon Westover, MD, PhD

AGENDA:

Saturday, September 24

9:15am  Introductory Remarks and Overview
        M. Brandon Westover, MD, PhD

9:25am  Seizures: Utility of CEEG for Detection – Adults
        Saurabh R. Sinha, MD, PhD, FACNS

9:55am  Seizures: Utility for CEEG Detection – Pediatric/Neonate
        Cecil D. Hahn, MD, MPH, FACNS

10:25am  Seizures: Terminology for Rhythmic and Periodic Patterns
          Suzette LaRoche, MD, FACNS

10:55am  Coffee Break & Visit Exhibits

11:10am  Seizure: Mechanisms & Influence on Outcome
         Tobias Loddenkemper, MD, FACNS

11:40am  Seizures: Impact of Treatment on Outcome: Risk-Benefit Calculus
         Aatif M. Husain, MD, FACNS

12:10pm  Lunch & Visit Exhibits

1:10pm  Seizures: Management in Neonates & Children
        Tobias Loddenkemper, MD, FACNS

1:40pm  Seizures: Management in Adults
        Aatif M. Husain, MD, FACNS

2:10pm  Seizures: Management of Refractory & Super-Refractory SE
        Eric S. Rosenthal, MD

2:40pm  Coffee Break & Visit Exhibits

2:55pm  HIE: Prognosis in Adults
        Peter W. Kaplan, MD, FRCP, FACNS

3:25pm  HIE: Prognosis in Children & Neonates
        Tammy Tsuchida, MD, PhD, FACNS

3:55pm  HIE: Emerging Quantitative Approaches to Prognosis
        Edilberto Amorim, MD

4:25pm  Case Presentations

5:00pm  Adjourn

Sunday, September 25

9:15am  QEEG: Overview of Available Tools & Uses
        Saurabh R. Sinha, MD, PhD, FACNS

9:45am  QEEG: Theory of Spectrograms
        M. Brandon Westover, MD, PhD

10:15am  QEEG: Seizure Recognition Tutorial
         Edilberto Amorim, MD

10:45am  Coffee Break

11:00am  QEEG: Ischemia Detection
        M. Brandon Westover, MD, PhD

11:30am  EEG in Toxic/Metabolic Encephalopathy (Delirium): Adults
         Peter W. Kaplan, MD, FRCP, FACNS

12:00pm  Lunch

1:00pm  EEG & aEEG in Encephalopathy: Neonatal/Pediatric
        Tammy Tsuchida, MD, PhD, FACNS

1:30pm  EEG in General Anesthesia
        Patrick L. Purdon, PhD

2:00pm  EEG in ICU Sedation Monitoring
        M. Brandon Westover, MD, PhD

2:30pm  Coffee Break

2:45pm  Multimodal & Invasive Monitoring
        Eric S. Rosenthal, MD

3:15pm  Staffing, Personnel, Workflow & Logistics
        Cecil D. Hahn, MD, MPH, FACNS

3:45pm  Billing & Coding
        Marc R. Nuwer, MD, PhD, FACNS

4:15pm  ICU EEG Guidelines
        Suzette LaRoche, MD, FACNS

4:45pm  Questions & Discussion

5:00pm  Adjourn

Program is tentative; topics and speakers are subject to change.