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PRESIDENT & CO-CHAIRS’ MESSAGE

On behalf of the American Clinical Neurophysiology Society (ACNS), it is our pleasure to welcome you to Charlotte for the 2015 ACNS Fall Courses. The Fall Courses are led by experts in the field and continue to provide an excellent opportunity for professional growth through education in rapidly-evolving areas of clinical neurophysiology.

The ACNS Course Committee has developed an exceptional program, including parallel courses on Intensive Care Unit Electroencephalography (ICU EEG) Monitoring and Neurophysiologic Intraoperative Monitoring (NIOM). We also think you will find the return of the Epilepsy Surgery and Pediatric EEG morning courses to be beneficial additions to this weekend’s program.

In addition to the courses, please do not hesitate to take advantage of the strong exhibitor presence, be sure to stop by the Exhibit Hall during meals and breaks as well as attend the Welcome Reception on Saturday evening. The Fall Courses also serves as a great opportunity to interact with other colleagues.

On behalf of the ACNS Council and Course Committee, we would like to thank everyone involved in the 2015 Fall Courses for ensuring their continued success. We hope that the courses provide a valuable educational opportunity for all in attendance and wish everyone a safe and enjoyable weekend in Charlotte.

Sincerely,

William O. Tatum, IV, DO, FACNS
President

Tobias Loddenkemper, MD, FACNS
Course Committee Co-Chair

Saurabh R. Sinha, MD, PhD, FACNS
Course Committee Co-Chair

SPECIAL THANKS TO THE FALL COURSE FACULTY

DR. LODDENKEMPER AND DR. SINHA WOULD LIKE TO RECOGNIZE AND THANK THE 2015 FALL COURSES FACULTY:

**Intensive Care Unit Electroencephalography (ICU EEG)**
- Nicholas S. Abend, MD, FACNS
- Cecil D. Hahn, MD, MPH, FACNS
- Susan T. Herman, MD, FACNS
- Aatif M. Husain, MD, FACNS
- Suzette M. LaRoche, MD, FACNS
- Marc R. Nuwer, MD, PhD, FACNS
- Courtney J. Wusthoff, MD

**Neurophysiologic Intraoperative Monitoring (NIOM)**
- Ronald G. Emerson, MD, FACNS
- Gloria Galloway, MD, FACNS
- Aatif M. Husain, MD, FACNS
- Alan D. Legatt, MD, PhD, FACNS
- Jaime R. López, MD, FACNS
- Marc R. Nuwer, MD, PhD, FACNS
- Stanley Skinner, MD, FACNS

**Epilepsy Surgery Update**
- Jonathan C. Edwards, MD, FACNS
- Stephan U. Schuele, MD, MPH, FACNS
- William O. Tatum, IV, DO, FACNS

**Pediatric EEG Update**
- William B. Gallentine, DO, FACNS
- Gautam Popli, MD
Not an ACNS Member? Join Now!

The benefits of joining are endless but here are just a few:

- Reduced fees for the Annual Meeting & Courses and In-Service Examination.
- Reduced dues for members in training and first-year practitioners.
- Access to the Online Member Directory.

Please visit the ACNS website, www.acns.org, for more information and ways to join!
GENERAL MEETING INFORMATION

Westin Charlotte Floor Plan

Registration Desk
Location: Providence Promenade, 1st floor
Friday, September 25  4:00 – 7:00pm
Saturday, September 26  6:00am – 5:00pm
Sunday, September 27  6:00am – 4:00pm

Business Center
The Westin Charlotte houses a FedEx Print & Ship center on the 2nd floor next to the Independence Room. Services include shipping, computer & internet access, printing and faxing. Prices will vary based upon services required.

Wireless Internet
The ACNS will not provide WiFi access in the session rooms. Delegates should download or print course materials ahead of arrival to the Fall Courses.

Photography and Recording Policy
Photography or video or audio recording of sessions, materials presented in sessions, or exhibits without written permission from ACNS is strictly prohibited. Please note that photographs and video taken by or on behalf of ACNS of event activities and attendees shall be the property of ACNS.

Meals
The following meals will be provided to Fall Courses delegates:

Saturday, September 26, 2015 (Providence Ballroom III; 1st floor)
Breakfast  7:00 – 9:00am
Lunch  12:00 – 1:00pm
Reception  5:00 – 6:00pm (hors d’oeuvres and cash bar)

Sunday, September 27, 2015
Breakfast  7:00 – 9:00am

Beverages will also be provided during scheduled breaks on Saturday and Sunday.

Nearby Restaurants
The following list includes restaurants within walking distance or a short cab ride from the Westin Charlotte. Please refer to this list for lunch options on Sunday, September 27 and dinner both days.

<table>
<thead>
<tr>
<th>Restaurant</th>
<th>Type</th>
<th>Price Range</th>
<th>Address/Distance from Westin Charlotte</th>
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<tbody>
<tr>
<td>Bentley’s</td>
<td>French</td>
<td>$$$</td>
<td>201 S. College St. (.4 miles)</td>
</tr>
<tr>
<td>Bernadin’s</td>
<td>New American</td>
<td>$$$</td>
<td>435 S. Tryon St (.2 miles)</td>
</tr>
<tr>
<td>Carolina Ale House</td>
<td>American</td>
<td>$</td>
<td>201 S. College St (.4 miles)</td>
</tr>
<tr>
<td>Brazz Carvery &amp; Brazilian Steakhouse</td>
<td>Steakhouse</td>
<td>$$$</td>
<td>500 S. College St (.1 miles)</td>
</tr>
<tr>
<td>King’s Kitchen</td>
<td>Southern American</td>
<td>$</td>
<td>129 W. Trade St (.7 miles)</td>
</tr>
<tr>
<td>Lola’s</td>
<td>American – Breakfast/Lunch</td>
<td>$</td>
<td>300 S. Brevard St (.2 miles)</td>
</tr>
<tr>
<td>Mimosa Grill</td>
<td>New American</td>
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<td>327 S. Tryon St (.3 miles)</td>
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<tr>
<td>Panera Bread Company</td>
<td>Bakery/Café</td>
<td>$</td>
<td>201 S. College St (.4 miles)</td>
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<tr>
<td>Red Ginger</td>
<td>Japanese Steakhouse &amp; Sushi</td>
<td>$</td>
<td>401 S. Tryon St (.2 miles)</td>
</tr>
<tr>
<td>Vapiano</td>
<td>Italian</td>
<td>$</td>
<td>201 S. Tryon St (.5 miles)</td>
</tr>
<tr>
<td>EpiCentre</td>
<td>Enso Asian Bistro &amp; Sushi Bar</td>
<td>$-$-$</td>
<td>Corner of 4th &amp; College St (.5 miles)</td>
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<tr>
<td></td>
<td>Firehouse Subs</td>
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<td></td>
<td>Five Guys Burgers &amp; Fries</td>
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<td></td>
<td>Jason’s Deli</td>
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<td></td>
<td>Moe’s Southwest Grill</td>
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CONTINUING MEDICAL EDUCATION (CME) INFORMATION

ACNS CME Mission

Purpose

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.

Content

ACNS is committed to providing continuing medical education to its members and others interested in clinical neurophysiology. Educational objectives include 1) Reviewing current knowledge of clinical neurophysiology including: electroencephalography, evoked potentials, electromyography, nerve conduction studies, intraoperative monitoring, polysomnography and other sleep technology, quantitative neurophysiological methods, magnetoencephalography, sleep disorders, epilepsy, neuromuscular disorders, brain stimulation, brain-computer interfacing, and related areas; and 2) Informing course and meeting attendees of recent technological developments and their implications for clinical practice.

Expected Result

Attendees will improve competence in clinical neurophysiology procedures and incorporate new technological advancements into their practice.

Gaps and Needs

In compliance with the Updated Accreditation Criteria of the Accreditation Council for Continuing Medical Education (ACCME), the Continuing Medical Education Committee of the ACNS has identified “professional practice gaps.” Definition: A “professional practice gap” is the difference between what a health professional is doing or accomplishing compared to what is achievable on the basis of current professional knowledge.

The following professional practice gaps and educational needs were identified by a combined effort of the Program, Course and CME Committees.

GAP 1. EMERGING AREAS OF PRACTICE

Neurophysiologic intraoperative monitoring (NIOM) and intensive care unit EEG monitoring (ICU EEG) are new and rapidly evolving areas of clinical neurophysiology. Few practicing neurologists have adequate training in these techniques, and physicians with competence in these areas are in great demand. Educational activities should cover both basic methodologies for those practitioners new to ICU EEG and NIOM, and innovative techniques.

GAP 2. GENERAL PRACTICE OF CLINICAL NEUROPHYSIOLOGY

Clinical neurophysiology procedures are performed by a large proportion of practicing US neurologists, many of whom have little or no formal training in clinical neurophysiology. Many clinical neurophysiology procedures (e.g. evoked potentials, invasive EEG) are performed at low volume at most centers, and a forum for review and hands-on interpretation are essential to maintain competence in these areas.

Several specific topics with significant gaps between current practice and ideal practice have been identified via review of the literature, review of clinical neurophysiology fellowship curricula, and surveys of ACNS members and Annual Meeting attendees.

These include:

• Peripheral neurophysiology: Pediatric EMG, critical illness related neurophysiology, and muscle ultrasound
• Basic EEG: Identification of normal variants, identification of artifacts, clinical correlation
• Pediatric EEG, especially neonatal EEG
• Digital EEG processing: Quantitative EEG and trends for use in the intensive care unit, source localization, coregistration with neuroimaging, etc.
• Full band EEG, Ultrafast and ultraslow EEG
• NIOM: Motor evoked potentials, guidelines and standards of care for NIOM (e.g. indications, cost effectiveness)
• Evoked potentials: Current role of short- and long-latency EPs
• Video–EEG monitoring, especially invasive EEG
• Sleep, Use of new scoring system, implications for patient care

Changes in Behavior/Practice

It is intended that, as a result of attending the meeting and/or courses, physician attendees will be able to identify changes in competence or performance that are desirable. Definitions: “Competence” is knowing how to do something. “Performance” is what the physician would do in practice, if given the opportunity.

Evaluation

The updated ACCME accreditation criteria are designed to integrate with the new requirements for maintenance of certification (for more information see www.ABPN.org). Physicians are expected to perform self-assessments of their practice, but the ACNS, as an organization accredited by the ACCME, is expected to measure how its educational activities assist physicians in this activity. Thus, there are new questions in the evaluation form. These questions address your intended changes in competence or performance. In a few months, we will contact all physician meeting attendees to ask you if you actually HAVE experienced changes in competence or performance. Your responses, now and in the future, will assist us and ultimately you in determining educational activities that are most useful to you.
CONTINUING MEDICAL EDUCATION (CME) INFORMATION

Meeting Description

The 2015 Fall Courses are designed around two of the new and rapidly-evolving areas of clinical neurophysiology, Neurological 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. Returning to the Fall Courses in 2015 are morning courses covering two additional topics, Epilepsy Surgery and Pediatric EEG.

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 neurophysiological techniques and knowledge in the diagnosis and management of patients with disorders of the nervous system.

Learning Objectives

INTENSIVE CARE UNIT EEG MONITORING (ICU EEG)
At the conclusion of this course, participants will 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 and periodic patterns;
3. Utilize quantitative EEG methods for data reduction and real-time detection of EEG changes in the ICU;
4. Select appropriate equipment for ICU-EEG monitoring, including networking and data storage options; and
5. Determine optimal staffing, data review, and reporting of results.

NEUROPHYSIOLOGIC INTRAOPERATIVE MONITORING (NIOM)
At the conclusion of this course, participants will be able to:
1. Identify the various types of NIOM and discuss their utilization;
2. Interpret NIOM Case based presentations;
3. Utilize NIOM Case based presentations to differentiate between usual and atypical changes;
4. Illustrate technical challenges associated with NIOM; and
5. Describe the current issues relevant to the practice environment of NIOM.

EPILEPSY SURGERY UPDATE
At the conclusion of this course, participants will be able to:
1. Understand the principles underlying Stereo-EEG and how to choose the appropriate method for an individual patient;
2. Discuss several approaches to minimally invasive epilepsy surgery; and
3. Understand the 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 will be able to:
1. Identify EEG patterns associated with inherited metabolic epilepsies;
2. Discuss EEG patterns associated with genetic epilepsies; and
3. Describe ictal EEG features of infantile spasms and various forms of hypsarrhythmia.

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.

CME Credit Designation

ACNS designates the Fall Courses for the maximum number of AMA PRA Category 1 Credit(s)™ indicated below. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Intensive Care Unit EEG Monitoring (ICU EEG):
12.5 AMA PRA Category 1 Credits™
Neurophysiologic Intraoperative Monitoring (NIOM):
12 AMA PRA Category 1 Credits™
Pediatric EEG:
1.5 AMA PRA Category 1 Credits™

ASET-CEU Credit Designation

ASET – The Neurodiagnostic Society has granted ASET Continuing Education (ACE) credits as follows for this program. Such crediting, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in these presentations.

Intensive Care Unit EEG Monitoring (ICU EEG) – 13 ASET-CEUs
Neurophysiologic Intraoperative Monitoring (NIOM) – 13 ASET-CEUs
Pediatric EEG Update – 1.5 ASET CEUs
Pediatric Surgery Updated – 1.5 ASET CEUs

Upon completion of the event attendees should follow the instructions below to claim ASET-CEU credits:

Print and sign your name on the ASET-CEUs Attendance Roster at the end of the program in order to receive ASET-CEUs. If you arrive late or need to leave the program early (by 30 minutes or more), write the time in the far right column. Your program director will determine the number of credit hours you might be eligible to receive.

You will also be asked to turn in your completed program evaluation form when you sign out. The evaluation forms are a very important part of the ASET-CEUs process.

A transcript of your ASET-CEUs hours will be sent to you upon request. If you would like to receive your transcript, please complete the ASET-CEUs Transcript form and mail or fax to the address at the bottom of this page. ASET-CEUs transcripts are free for members and $25.00 for non-members.

Policy on Financial Disclosures

• A transcript of your ASET-CEUs hours will be sent to you upon request.
• You will also be asked to turn in your completed program evaluation form when you sign out. The evaluation forms are a very important part of the ASET-CEUs process.
• A transcript of your ASET-CEUs hours will be sent to you upon request.
CONTINUING MEDICAL EDUCATION (CME) INFORMATION

It is the policy of ACNS to ensure balance, independence, objectivity and scientific rigor in all its individually sponsored or jointly sponsored educational programs. In order to comply with the ACCME's Updated Standards for Commercial Support, ACNS requires that anyone who is in a position to control the content of an educational activity discloses all relevant financial relationships with any commercial interest pertaining to the content of the presentation. Should it be determined that a conflict of interest exists as a result of a financial relationship of a planner of the CME activity, the planner must recuse himself or herself from the planning for that activity or relevant portion of that activity. All presentations for which the presenter disclosed a potential conflict of interest are peer reviewed by two members of the ACNS CME Committee with no relationships. If bias is found, the presenter is asked to make changes to the presentation and it is re-reviewed for bias before final approval. Refusal to disclose a conflict or the inability to resolve an identified conflict precludes participation in the CME activity. Complete conflict of interest disclosure information is printed in the final program for the activity. A learner may request additional information regarding the nature of a planner or speaker’s disclosure if “No Relevant Relationships” has been indicated below. To request additional information, contact the ACNS Executive office at info@acns.org.

Conflict of Interest Disclosures

Key: a. Grants/Research Support; b. Consultant; c. Stock/Shareholder (self-managed); d. Speaker’s Bureau; e. Advisory Board or Panel; f. Salary, Contractual Services; g. Other Financial or Material Support (royalties, patents, etc.)

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<tr>
<th>Council</th>
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<tr>
<td>Jeffrey W. Britton, MD, FACNS</td>
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<tr>
<td>Richard C. Burgess, MD, PhD, FACNS</td>
<td>Cleveland Clinic Foundation</td>
<td>No Relationships</td>
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<tr>
<td>Frank W. Drislane, MD, FACNS</td>
<td>Beth Israel Deaconess Medical Center</td>
<td>LWW (g)</td>
</tr>
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<td>Jonathan C. Edwards, MD, FACNS</td>
<td>Medical University of South Carolina</td>
<td>No Relationships</td>
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<tr>
<td>Gloria Galloway, MD, FACNS</td>
<td>Ohio State University Medical Center</td>
<td>Cambridge University Press (g)</td>
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<tr>
<td>Cecil D. Hahn, MD, MPH, FACNS</td>
<td>Hospital for Sick Children-Neurology</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Aatif M. Husain, MD, FACNS</td>
<td>Duke University Medical Center</td>
<td>Demos Publisher (g); Jazz Pharma (b, c); Sage Pharmaceuticals (e); UCB Pharma (a, d, e)</td>
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<td>Suzette M. LaRoche, MD, FACNS</td>
<td>Emory University School of Medicine</td>
<td>Demos Publishing (g)</td>
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<tr>
<td>Tobias Loddenkemper, MD, FACNS</td>
<td>Children’s Hospital Boston</td>
<td>AAN (g); Accordia (a); AES (g); CURE (a); Danny Did Foundation (a); EFA (a); Eisai (a); ERF (a); ETP (a); HHV-6 Foundation (a); Patents on epilepsy diagnosis and seizure detection (g); PCORI (a); PERF (a); Pfizer (a); Seizure (g); Upsher Smith (a, e)</td>
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<tr>
<td>Jaime R. Lopez, MD, FACNS</td>
<td>Stanford University</td>
<td>No Relationships</td>
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<tr>
<td>Cormac O’Donovan, MD, FACNS</td>
<td>Wake Forest Baptist Medical Center</td>
<td>No Relationships</td>
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<tr>
<td>Marc R. Nuwer, MD, PhD, FACNS</td>
<td>University of California, Los Angeles</td>
<td>Corticare (c); Sleep Med (f)</td>
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<td>Stephan U. Schuele, MD, MPH, FACNS</td>
<td>Northwestern University-Neurology</td>
<td>Danny Did Foundation (a); NIH (a); Sunovion</td>
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<td>Raj D. Sheth, MD, FACNS</td>
<td>Mayo Clinic/Nemours Clinic</td>
<td>No Relationships</td>
</tr>
<tr>
<td>William O. Tatum, IV, DO, FACNS</td>
<td>Mayo Clinic - Florida</td>
<td>No Relationships</td>
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<thead>
<tr>
<th>Course Committee (if not listed above)</th>
<th>Children's Hospital of Philadelphia</th>
<th>Demos Medical Publishing (g); NIH (a)</th>
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<tr>
<td>Nicholas S. Abend, MD, FACNS</td>
<td>University of South Florida</td>
<td>Cyberonics (g); Eisai (g); GSK (g); Sunovion (g); UCB (g)</td>
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<td>Mayo Clinic</td>
<td>No Relationships</td>
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<tr>
<td>Elliot Dimberg, MD</td>
<td>Emory University</td>
<td>Neuronecros, Inc. (g)</td>
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<td>Charles M. Epstein, MD, FACNS</td>
<td>Duke University Medical Center</td>
<td>No Relationships</td>
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<tr>
<td>William B. Gallentine, DO, FACNS</td>
<td>Beth Israel Deaconess Medical Center</td>
<td>Acorda Therapeutics (a); Biotide, Inc. (e); Epilepsy Therapy Development Project (a); Sage Therapeutics (a); UCB Pharma (a)</td>
</tr>
<tr>
<td>Susan T. Herman, MD, FACNS</td>
<td>Yale University</td>
<td>Allegan (b); Atlas of EEG in Critical Care, Wiley (g); Lundbeck (a, b); Neupace (b); Natus (b); UCB-Pharma (a); UpToDate Neurology (g); Upsher-Smith (a,b)</td>
</tr>
<tr>
<td>Lawrence J. Hirsch, MD, FACNS</td>
<td>Montefiore Medical Center</td>
<td>Several companies that market health care goods or services; none of them are related to the subject of my presentation. (c)</td>
</tr>
<tr>
<td>Alan D. Legatt, MD, PhD, FACNS</td>
<td>Brigham &amp; Women’s Hospital</td>
<td>Advance Medical (b); DigiTrace, Inc (f); Duke Clinical Research Institute (a); Sunovion, Inc (a); UCB, Inc (a)</td>
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6 ACNS Fall Courses SEPTEMBER 26-27, 2015 Westin Charlotte Charlotte, North Carolina
## CONTINUING MEDICAL EDUCATION (CME) INFORMATION

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<thead>
<tr>
<th>Name</th>
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<th>Relationships</th>
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<tbody>
<tr>
<td>Jeffery Liou, MD, FACNS</td>
<td>Harvard Medical School</td>
<td>No Relationships</td>
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<tr>
<td>Michael McGarvey, MD, FACNS</td>
<td>Hospital of the University of Pennsylvania</td>
<td>No Relationships</td>
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<tr>
<td>Yafa Minazad, DO, FACNS</td>
<td>So Cal Neurology</td>
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<td>Phillip Pearl, MD</td>
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<tr>
<td>Claus Reinsberger, MD</td>
<td>University of Paderborn</td>
<td>Sleepmed Inc. (b)</td>
</tr>
<tr>
<td>Alexander Rotenberg, MD</td>
<td>Boston Children's Hospital</td>
<td>Eisai Co. Ltd. (a); Neuro-motion Inc. (g); NeuroRex, Inc. (g)</td>
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<td>Elayna Rubens, MD, FACNS</td>
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<td>Mayo Clinic</td>
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<td>Seward Rukove, MD</td>
<td>Beth Israel Deaconess Medical Center</td>
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<td>Mark Scher, MD, FACNS</td>
<td>Case Western Reserve University</td>
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<td>Saurab R. Sinha, MD, FACNS</td>
<td>Duke University Medical Center</td>
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<td>Michael Sperling, MD, FACNS</td>
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<td>Nitin Tandon, MD</td>
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<td>Francis O. Walker, MD, FACNS</td>
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<td>Courtney J. Wusthoff, MD</td>
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### CME Committee (if not listed above)

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<tr>
<td>Rohit Das, MD, FACNS</td>
<td>Indiana University School of Medicine</td>
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</tr>
<tr>
<td>Evan J. Fertig, MD</td>
<td>Northeast Regional Epilepsy Group</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Pongkiat Kankirawatana, MD, FACNS</td>
<td>Children's of Alabama, UAB</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Mirela V. Simon, MD, FACNS</td>
<td>Massachusetts General Hospital</td>
<td>Demos Medical Publishing (g)</td>
</tr>
<tr>
<td>Christa Swisher, MD</td>
<td>Duke University Medical Center</td>
<td>No Relationships</td>
</tr>
</tbody>
</table>

### Course Faculty (if not listed above)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ronald Emerson, MD, FACNS</td>
<td>Hospital for Special Surgery</td>
<td>Allergan (c); Amgen (c); Bristol Myers Squibb (c); Dow Chemical (c); Eli Lilly (c); Express Scripts (c); General Electric (c); Johnson&amp; Johnson (c); Persyst (b); Reach Bionics (c); Teva Pharm (c); Thermo Fisher Scientific (c)</td>
</tr>
<tr>
<td>Stanley Skinner, MD, FACNS</td>
<td>Abbott Northwestern Hospital</td>
<td>Medtronic (g)</td>
</tr>
</tbody>
</table>

### Executive Office Staff

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Relationships</th>
</tr>
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<tbody>
<tr>
<td>Megan M. Hille, CMP</td>
<td>ACNS</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Cassie Peterson</td>
<td>ACNS</td>
<td>No Relationships</td>
</tr>
</tbody>
</table>

Key: a. Grants/Research Support; b. Consultant; c. Stock/Shareholder (self-managed); d. Speaker’s Bureau; e. Advisory Board or Panel; f. Salary, Contractual Services; g. Other Financial or Material Support (royalties, patents, etc.)

## Certificate of Attendance

Certificates of Attendance and CME certificates will be available to pre-registered delegates at the conclusion of each day for that day’s scheduled courses. Please visit the ACNS Website (http://www.acns.org/meetings/fall-courses/2015-fall-courses/cme-information) to claim your certificate. Delegates who registered on-site will be able to obtain a CME certificate at www.acns.org starting October 24, 2015.

Delegates are REQUIRED to complete session evaluations to obtain a CME Certificate or Certificate of Attendance. Delegates should log on to the website listed above and enter their last name and their ACNS ID# listed at the top of their Fall Courses confirmation form, included in their registration packet. The system will then ask delegates to indicate which sessions they attended, complete evaluation forms for their registered sessions, and then will generate a PDF certificate which may be printed or saved to the delegate’s computer. Session attendance and evaluation information are saved in the database, and certificates may be accessed again in the event the certificate is lost or another copy is required. Delegates will only be able to claim CME Certificates and Certificates of Attendance to the courses they are registered for.

Please note that certificates will not be mailed or emailed after the meeting. The online certificate program is the only source for this documentation. Please contact ACNS at info@acns.org for any questions. ACNS asks that all CME certificates be claimed no later than December 31, 2015.
PROGRAM AGENDA

Morning Courses (7:30 – 9:00am)

SATURDAY, SEPTEMBER 26

6:45 – 7:45am  Breakfast – Providence Promenade; 1st floor

EPILEPSY SURGERY UPDATE
Location: Providence Ballroom I; 1st floor
Course Co-Directors: Stephan U. Schuele, MD, MPH, FACNS & William O. Tatum, IV, DO, FACNS

Agenda:
7:30am  Intracranial EEG Using Stereo-EEG
   Stephan U. Schuele, MD, MPH, FACNS
7:55am  Discussion
8:00am  Stereotactic Minimally Invasive Epilepsy Surgery
   William O. Tatum, IV, DO, FACNS
8:25am  Discussion
8:30am  Neurostimulation: Choices and Challenges
   Jonathan C. Edwards, MD, FACNS
8:55am  Discussion
9:00am  Adjourn

SUNDAY, SEPTEMBER 27

6:45 – 7:45am  Breakfast – Providence Promenade; 1st floor

PEDIATRIC EEG UPDATE
Location: Providence Ballroom I; 1st floor
Course Co-Directors: William B. Gallentine, DO, FACNS & Gautam Popli, MD

Agenda:
7:30am  Epileptic Syndromes and Inborn Errors of Metabolism
   William B. Gallentine, DO, FACNS
7:55am  Discussion
8:00am  Genetic Epilepsy Syndromes: EEG Clues
   Gautam Popli, MD
8:25am  Discussion
8:30am  Infantile Spasms: Ictal and Interictal EEG Manifestations
   Tobias Loddenkemper, MD, FACNS
8:55am  Discussion
9:00am  Adjourn
PROGRAM AGENDA
TWO-DAY COURSES
SATURDAY, SEPTEMBER 26 & SUNDAY, SEPTEMBER 27 (9:15am – 5:00pm)

INTENSIVE CARE UNIT EEG MONITORING (ICU EEG)
Location: Providence Ballroom I; 1st floor
Course Co-Directors: Nicholas S. Abend, MD, FACNS & Saurabh R. Sinha, MD, PhD, FACNS

Agenda:
SATURDAY, SEPTEMBER 26
8:15 – 9:15am Breakfast – Visit Exhibits
Providence Ballroom III; 1st floor

9:15am Introductory Remarks and Overview
Saurabh R. Sinha, MD, PhD, FACNS

9:30am Adult Epidemiology
Saurabh R. Sinha, MD, PhD, FACNS

10:00am Neonatal and Pediatric Epidemiology
Courtney J. Wusthoff, MD, MS

10:30am Coffee Break & Visit Exhibits
Providence Ballroom III; 1st floor

10:45am Seizure and Periodic Pattern Terminology
Suzette M. LaRoche, MD, FACNS

11:15am Impact of Seizures – Clinical Data
Nicholas S. Abend, MD, FACNS

11:45am Lunch & Visit Exhibits
Providence Ballroom III; 1st floor

12:45pm Management in Neonates and Children
Tobias Loddenkemper, MD, FACNS

1:15pm Management in Adults
Aatif M. Husain, MD, FACNS

1:45pm Coffee Break & Visit Exhibits
Providence Ballroom III; 1st floor

2:00pm Background in Adults
Saurabh R. Sinha, MD, PhD, FACNS

2:30pm Background in Neonatal
Courtney J. Wusthoff, MD, MS

3:00pm Prognosis Adult
Suzette M. LaRoche, MD, FACNS

3:30pm Prognosis Neonatal and Pediatrics
Courtney J. Wusthoff, MD, MS

4:00pm Case Presentations – Panel Discussion

5:00pm Adjourn

SUNDAY, SEPTEMBER 27
8:15 – 9:15am Breakfast
Providence Promenade; 1st floor

9:15am Workshop and Cases
Susan T. Herman, MD, FACNS

10:45am Coffee Break
Providence Promenade; 1st floor

11:00am Utility
Cecil D. Hahn, MD, MPH, FACNS

11:30am Staffing, Personnel, Workflow & Logistics
Cecil D. Hahn, MD, MPH, FACNS

12:00pm Lunch (delegates on their own for lunch; see p.3 for a list of nearby restaurants)

1:00pm Ischemia Detection
Susan T. Herman, MD, FACNS

1:30pm Equipment, Networking & Electrodes
Saurabh R. Sinha, MD, PhD, FACNS

2:00pm Billing & Coding
Marc R. Nuwer, MD, PhD, FACNS

2:30pm Coffee Break
Providence Promenade; 1st floor

2:45pm ICU EEG Guidelines
Nicholas S. Abend, MD, FACNS

3:30pm Questions, Cases & Discussion

5:00pm Adjourn

Product Theaters
ACNS delegates are encouraged to attend the sponsored Product Theaters on Saturday, September 26 from 5:30 – 7:00pm. Each product theater is programmed by a single-supporting company and will feature presentations on topics and technologies selected by the company. Please see Product Theater information on p.15 for location and session descriptions.
PROGRAM AGENDA

TWO-DAY COURSES

SATURDAY, SEPTEMBER 26 & SUNDAY, SEPTEMBER 27 (9:15am – 5:00pm)

NEUROPHYSIOLOGIC INTRAOPERATIVE MONITORING (NIOM)
Location: Providence Ballroom II; 1st floor
Course Co-Directors: Gloria Galloway, MD, FACNS & Marc R. Nuwer, MD, PhD, FACNS

Agenda:

SATURDAY, SEPTEMBER 26

8:15 – 9:15am Breakfast – Visit Exhibits
Providence Ballroom III; 1st floor
9:15am Welcome
Marc R. Nuwer, MD, PhD, FACNS
9:20am SEP
Aatif M. Husain, MD, FACNS
10:05am MEP
Ronald G. Emerson, MD, FACNS
10:50am Coffee Break & Visit Exhibits
Providence Ballroom III; 1st floor
11:10am BAER
Alan D. Legatt, MD, PhD, FACNS
11:55am Lunch & Visit Exhibits
Providence Ballroom III; 1st floor
1:00pm Electrocorticography
Marc R. Nuwer, MD, PhD, FACNS
1:45pm Endovascular NIOM
Jaime R. López, MD, FACNS
2:30pm Cranial Nerve Mapping and Monitoring
Jaime R. López, MD, FACNS
3:15pm Coffee Break & Visit Exhibits
Providence Ballroom III; 1st floor
3:35pm Anesthesia in NIOM
Ronald G. Emerson, MD, FACNS
4:20pm Discussion
5:00pm Adjourn
5:00-6:00pm Welcome Reception
Providence Ballroom III; 1st floor

SUNDAY, SEPTEMBER 27

8:15 – 9:15am Breakfast
Providence Promenade; 1st floor
9:15am Welcome
Gloria Galloway, MD, FACNS
9:20am SDR Monitoring
Gloria Galloway, MD, FACNS
10:05am Case Studies in Posterior Fossa Surgery
Alan D. Legatt, MD, PhD, FACNS
10:50am Coffee Break
Providence Promenade; 1st floor
11:10am Nerve Root Stimulation
Gloria Galloway, MD, FACNS
11:55am Lunch (delegates on their own for lunch; see p.3 for a list of nearby restaurants)
1:00pm Cauda Equina Mapping and Monitoring
Stan Skinner, MD, FACNS
1:45pm Case Studies in SEP
Aatif M. Husain, MD, FACNS
2:30pm EMG of Peripheral Nerves
Stan Skinner, MD, FACNS
3:15pm Coffee Break
Providence Promenade; 1st floor
3:35pm Billing and Coding in NIOM
Marc R. Nuwer, MD, PhD, FACNS
4:20pm Discussion
5:00pm Adjourn

Product Theaters
ACNS delegates are encouraged to attend the sponsored Product Theaters on Saturday, September 26 from 5:30 – 7:00pm. Each product theater is programmed by a single-supporting company and will feature presentations on topics and technologies selected by the company. Please see Product Theater information on p.15 for location and session descriptions.
**EXHIBIT HALL INFORMATION**

**Exhibit Hall Hours**

**SATURDAY, SEPTEMBER 26  7:00am – 8:00pm**

Location: Providence Ballroom III; 1st floor

ACNS provides exhibit space at scientific meetings for commercial exhibits related to the fields of basic and clinical neurophysiology. The Society makes no attempt to evaluate any aspect of the material exhibited. Noncompliance with guidelines published by the ACNS has not been considered by the Society in allotting commercial space. Hence, acceptance of these commercial exhibits should not be construed as indicated sponsorship or approval of their products by ACNS.

**Exhibit Hall Floor Plan**

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<thead>
<tr>
<th>Table #</th>
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<td>Carolinas Healthcare System</td>
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<td>Moberg ICU Solutions</td>
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<td>UCB</td>
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### TABLE 4
**ABCN/ABRET**  
2509 W. Iles Ave.  
Suite 102  
Springfield, IL 62704  
P: (217) 726-7980  
F: (217) 726-7989  
abcn@att.net  
www.abcn.org  

ABRET Neurodiagnostic Credentialing & Accreditation offers five credentials (R. EEG T.*, R. EP T.*, CNIM*, CLTM*, CAP*) and three laboratory accreditation programs, LAB-EEG, LAB-NIOM, and LAB-LTM. Learn more about laboratory accreditation, view resources for technologists and receive assistance in recruiting neurodiagnostic technologists.

The American Board of Clinical Neurophysiology (ABCN) has a 65 year history of promoting excellence in Clinical Neurophysiology and offers examinations with added competency in Epilepsy Monitoring, Neurophysiologic Intraoperative Monitoring and Critical Care EEG. A General Clinical Neurophysiology Track is also available. International testing is available.

### TABLE 8
**Blackrock NeuroMed**  
630 Komas Drive  
Suite 200  
Salt Lake City, UT 84108  
P: (801) 994-5662  
F: (877) 623-6027  
sales@blackrockneuromed.com  
www.blackrockneuromed.com  

Blackrock NeuroMed’s Cervello® EEG/LTM systems provide advanced EEG technology including remote monitoring capabilities, Bluetooth connectivity and flexible integration and sampling rates for advanced research. All systems are supported with a comprehensive service package with start-to-finish integration, installation and expert IT support.

### TABLE 1
**Cadwell**  
909 N. Kellogg Street  
Kennewick, WA 99336  
P: (509) 735-6481  
F: (509) 783-6503  
info@cadwell.com  
www.cadwell.com  

Cadwell designs and manufactures a full range of neurophysiology focused systems since 1979. Clinical EEG, LTM, ICU cEEG, Ambulatory EEG with Q-Video Mobile2 and a USB-driven Photic for full EEG testing in an ambulatory device. The new Arc EEG family has everything you need.

### TABLE 3
**Carolinas Healthcare System**  
CHSMG - Development  
4135 South Street Blvd  
Suite 300  
Charlotte, NC 28217  
P: (704) 863-6000  
F: (704) 631-1101  
Sarah.foster@carolinashcar.org  
www.carolinashcare.org  

Carolinas HealthCare System (CHS), one of the nation’s leading and most innovative healthcare organizations, provides a full spectrum of healthcare and wellness programs throughout North Carolina and South Carolina. CHS has over 2,500 system-employed physicians and more than 60,000 employees, operating more than 40 hospitals and over 900 care locations. Due to our expanding healthcare system, we currently have exceptional opportunities in Charlotte and surrounding areas. CHS Neurosciences Institute is currently seeking 2 Adult Epileptologists and Carolinas Pediatric Neurology Care is seeking 2 Pediatric Epileptologists. Please visit our exhibit booth for more detail or contact us through http://www.choosecarolinashcare.org/.

### TABLE 13
**Compumedics**  
5015 W. WT Harris Blvd  
Suite E  
Charlotte, NC 28269  
P: (704) 749-3200  
F: (704) 749-3299  
info@compumedicsusa.com  
www.compumedics.com  

Compumedics Neuroscan is world-leader in the development of hardware and software for measuring and integrating all forms of brain activity. The systems developed by Compumedics Neuroscan have applications in all aspects of cognitive neuroscience and in medical diagnostics focused on sleep and neurology. The Company’s premiere product, the Curry Neurolimaging Suite, can integrate and co-register data from all neuroimaging modalities including EEG, MEG, MRI, fMRI, PET, SPECT, CT, DTI and ECOG. Compumedics neuroscan also has hardware and software solutions for the simultaneous acquisition of EEG and fMRI, now offering a simple salutation with a broad EEG frequency band, with high quality data.
TABLE 14
Ideal Health Careers, Inc.
3455 Peachtree Road, #500
Atlanta, GA 30326
P: (404) 816-9988
F: (404) 816-5688
info@idealhealthcareers.com
www.idealhealthcareers.com

Ideal Health Careers is a professional search firm that develops long-term relationships with our clients in order to help them source, hire, and retain neurodiagnostic talent. Our sole focus is the neurodiagnostic market, which enable us to become key strategic assets for our clients. Would you like to have a pipeline of clinical or managerial talent at your disposal? Please ask how we can help you dominate the battle for talent. Neurologists seeking opportunities are welcome to contact us at any time. We will also have several full-time opportunities for clinical neurophysiology (IOM) fellows in 2015, so please come by our booth for an introduction. www.idealhealthcareers.com or 404-816-9988.

TABLE 10
Ives EEG Solutions
25 Storey Avenue, Suite 118
Newburyport, MA 01950
P: (978) 358-8006
F: (978) 358-7825
patrick@iveseegsolutions.com
www.iveseegsolutions.com

Never have to remove EEG Electrodes again for imaging purposes. The Ives Imaging Friendly™ Electrode System provides a comprehensive selection of three separate imaging friendly EEG electrode types to record the patient’s EEG in the EMU or cEEG in the ICU.

TABLE 9
Moberg ICU Solutions
224 S. Maple St
Ambler, PA 19002
P: (215) 283-0860
F: (215) 283-0859
info@moberg.com
www.moberg.com

The Moberg CNS Monitor continuously records EEG and processed EEG trends, time-synchronized with other physiology. Multimodal monitoring with integrated video, EEG trends and physiology helps you evaluate patients’ neurological statuses. View correlations between EEG and parameters from other devices including vital signs, ICP, brain oxygen, cerebral blood flow, and more. Remotely review and annotate EEG and multimodal physiology. Advanced integrated neurophysiological monitoring is available today with the Moberg CNS Monitor.

TABLE 2
Natus Neurology
3150 Pleasant View Road
Middleton, WI 53562
P: (608) 829-8500
F: (608) 829-8775
madison.info@natus.com
www.natus.com

Natus Neurology is a leading provider of healthcare instrumentation used for the diagnosis and monitoring of neurological conditions including epilepsy, sleep disorders, cerebral vascular disorders and stroke, neuropathies, neuromuscular diseases and myopathies, as well as for neurosurgical procedures and neurophysiological research. In addition to computerized neurodiagnostic systems and software, Natus offers a complete line of supplies and accessories utilized in settings from private practice to hospitals. Natus product brands include: Bio-Logic, Dantec, Deltamed, Embla, Grass, Nicolet, Schwarzer, Stellate, Teca, Xltec. For more information, please visit us at www.natus.com.

TABLE 15
Nihon Kohden
15353 Barranca Parkway
Irvine, CA 92618
P: (949) 580-1555
F: (949) 580-1550
james_patla@nkusa.com
www.nihonkohden.com


TABLE 6
Persyst Development Corporation
12625 High Bluff Drive
Suite 213
San Diego, CA 92130
P: (858) 461-4542
F: (858) 461-4531
sales@persyst.com
www.persyst.com

For more than twenty years Persyst has produced the most trusted and innovative EEG analysis products. Today, Persyst is the world’s leading supplier of seizure detection, spike detection, and quantitative analysis software to every leading EEG manufacturer for continuous EEG monitoring, LTM and ambulatory EEG.
EXHIBIT HALL INFORMATION

TABLE 5
Rhythmlink International, LLC
1140 First Street South
Columbia, SC 29209
P: (803) 252-1222
F: (803) 252-1111
sales@rhythmlink.com
www.rhythmlink.com

Rhythmlink International is a medical device manufacturing company specializing in devices that help connect patients to machines to record or elicit physiologic information. Rhythmlink offers an array of monitoring devices including the first and only FDA cleared disposable MRI Conditional EEG products on the market and the new Invisa-Electrodes, artifact free CT imaging electrodes that offer the same superior EEG recording quality as our standard electrodes, but can be left on the patient during a CT scan.

TABLE 12
Signal Gear, LLC
27 Sweetwater Drive
Prosperity, SC 29127
P: (855) 439-4327
F: (800) 878-9804
team@signalgear.com
www.signalgear.com

SIGNAL GEAR® is a medical device company focused on designing and developing neurodiagnostic accessories. We currently offer products for IOM and EMG/NCS settings, but continue working hard to introduce new products. Founded on the premise that passionate, thoughtful study is key to innovation and creativity, we study the scientific literature, the patient and clinical practice. Our goal is to provide the optimal patient product for each specialty, from the clinical office setting to the operating room, by tirelessly testing products in our electrical, mechanical, and clinical test labs. All SIGNAL GEAR® products will be the best or we won’t sell them.

TABLE 11
SpecialtyCare
3100 West End Ave
Suite 800
Nashville, TN 37203
P: (615) 346-8801
F: (615) 345-5405
bashy.teague@specialtycare.net
www.specialtycare.net

SpecialtyCare is your partner for improved outcomes, patient safety, and financial results. We work with thousands of physicians every day, assisting in the delivery of exceptional care. Our expert clinicians are highly trained, certified, and work as integrated members of your team, dedicated to helping make your operating room as efficient as possible. When you want the certainty of clinical excellence, choose SpecialtyCare.

TABLE 7
UCB
1950 E. Park Drive
Smyrna, GA 30080
P: (770) 970-7500
F: (770) 970-8857
uscommunications@ucb.com
www.ucb.com

At UCB, we have a passionate, long-term commitment to discovering and developing innovative medicines that transform the lives of people living with severe immunological diseases and central nervous system disorders. With 8,500 employees in 40 countries, we invest approximately 28% of revenue in cutting-edge scientific research to meet unmet patient needs. For more information, visit www.ucb-usa.com.
PRODUCT THEATERS

Product Theaters will be held on Saturday, September 26 from 5:30-7:00pm. ACNS is pleased to introduce Product Theaters to this year’s Fall Courses. Each session is supported and programmed by a single supporting company and will feature presentations on topics and technologies selected by the company. CME credits are NOT available for the Product Theaters. Beverages and snacks will be served.

IMPORTANCE OF CEEG IN THE ICU – AN ASIAN EXPERIENCE

Presented By: Cadwell
Location: Providence Ballroom I; 1st floor
Instructor: Dr. Anita Kharbteng, MBBS
Clinical Business Director, Asia Pacific Cadwell

Although there is an increase in expertise in monitoring patients in the ICU, their brains are usually ‘monitored’ by traditional bedside clinical observations. Bedside assessment becomes progressively uninformative when patients are heavily sedated, placed in medical coma, or medically paralyzed.

Much information is lost by the fact that ICU EEG is usually performed as short intermittent recordings and not continuously. In order to have an impact on the ICU, monitoring of the electrocortical activity would have to be continuous and simple in terms of analysis and number of recording electrodes. Furthermore, EEG features which are immediately relevant for clinical decisions should be continuously available at the bedside and made possible to interpret by the attending physician day and night.

With new advances in digital technology, many of these impediments have been overcome, making ICU EEG a clinically relevant tool. New trend analysis packages have been developed to make EEG easier to analyze for non-experts and they sometimes give more information than the raw EEG data.

Continuous EEG allows for better evaluation of cerebral function, faster time to treatment and better prognostic information which results in quality care for the ICU patient.

If we concede that brain function is as worthy of monitoring as that of other organs then efforts should be made to provide a new standard of neurological management in the ICU.

Can we afford to leave out any vital sign?

Please join Dr Anita Kharbteng who will share the Asian Experience in Continuous EEG Monitoring in the ICU!

A PROMOTIONAL EDUCATIONAL PROGRAM ON VIMPAT® (LACOSAMIDE) C-V DATA IN THE TREATMENT OF PARTIAL ONSET SEIZURES IN ADULTS WITH EPILEPSY

Presented By: UCB
Location: Providence Ballroom II; 1st floor
Instructor: Dr. David King-Stephens, MD
Epileptologist, Director of Neurophysiology
California Pacific Medical Center

This program will highlight:
• VIMPAT indications, usage, and Important Safety Information
• Adjunctive therapy data
• Monotherapy trial design, results, and related data
• Loading dose trial design, results, and related data
• Dosing and other considerations
SAVE THE DATE!
American Clinical Neurophysiology Society

February 10-14, 2016 • Orlando, FL
Hilton Orlando Lake Buena Vista

www.acns.org

Advance Registration – Now Open!
Poster Abstract Submission Opens October 1, 2015