TABLE OF CONTENTS

Message from Course and Program Committee Co-Chairs ................................................................. 1

ACNS Information ................................................................................................................................. 2
  About the American Clinical Neurophysiology Society (ACNS). ......................................................... 2
  ACNS Council .................................................................................................................................... 2
  Annual Meeting and Courses Planning Committees ........................................................................ 2
  ACNS Executive Office ....................................................................................................................... 3

General Meeting Information .............................................................................................................. 4
  About the Annual Meeting & Courses ................................................................................................ 4
  Important Dates .................................................................................................................................. 4
  Headquarters Hotel and Housing Reservations ................................................................................. 4
  Registration Procedure ..................................................................................................................... 4
  New Orleans Visitor Information ....................................................................................................... 4

Continuing Medical Education (CME) Information ............................................................................. 5
  Meeting Description .......................................................................................................................... 6
  Target Audience ............................................................................................................................... 6
  Annual Courses Learning Objectives ................................................................................................. 6
  Annual Meeting Learning Objectives ............................................................................................... 6
  Accreditation Statement .................................................................................................................... 6
  Credit Designation ............................................................................................................................. 6

Young Investigator Travel Award ......................................................................................................... 7

Resident & Fellow Education SIG ......................................................................................................... 7

Social and Networking Events ............................................................................................................. 8

Award Recipients & Lectures ................................................................................................................ 9

Annual Course Program ....................................................................................................................... 10

Annual Meeting Scientific Program ..................................................................................................... 15

Registration Form ............................................................................................................................... 23
MESSAGE FROM COURSE AND PROGRAM COMMITTEE CO-CHAIRS

Dear Colleagues,

On behalf of the American Clinical Neurophysiology Society (ACNS) Council, we are thrilled to invite you to attend the 2020 Annual Meeting & Courses, taking place February 5-9, 2020 at The Roosevelt New Orleans in New Orleans, Louisiana. The ACNS Annual Meeting & Courses are designed to provide a review of the fundamentals as well as the latest scientific advances in central and peripheral neurophysiology. Experts will give presentations of substantial value for all healthcare professionals who utilize clinical neurophysiology.

The Program Committee is pleased to present an impressive selection of sessions for delegates to attend throughout the weekend. There was an outstanding set of session proposals submitted for consideration this year and we are confident that the program content will provide an exciting educational opportunity for all in attendance. This year, the Annual Courses include more sessions throughout the meeting and expanded offerings in peripheral neurophysiology. Also, the courses are organized along tracks that should minimize conflicts for most attendees.

Following the success of previous year’s Joint International Symposia, we are pleased to announce the inclusion of many sessions co-organized by our colleagues outside the United States. We are honored to welcome representatives from the Brazilian Society of Clinical Neurophysiology, the British Society of Clinical Neurophysiology, the Mexican Society of Clinical Neurophysiology, the Canadian Society of Clinical Neurophysiology, the Spanish Society of Clinical Neurophysiology and the Austrian Society of Clinical Neurophysiology. We look forward to the opportunity to learn from and collaborate with our international colleagues.

In addition to the scientific sessions, there will be opportunities for educational entertainment and networking. Additionally, attendees can socialize and network with exhibitors, colleagues and friends during the Welcome Reception on Friday, February 7.

Overall, the 2020 Annual Meeting & Courses will provide an opportunity for education, networking, and interaction with the latest technologies across the fields of clinical neurophysiology. We hope to see you in New Orleans!

Sincerely,

Frank W. Drislane, MD, FACNS
Course Committee Co-Chair

Courtney J. Wusthoff, MD, FACNS
Course Committee Co-Chair

Leslie Lee, MD, FACNS
Program Committee Co-Chair

Nicholas S. Abend, MD, MSCE, FACNS
Program Committee Co-Chair
ACNS INFORMATION

About the American Clinical Neurophysiology Society (ACNS)
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.

ACNS’ mission is to serve patients and society by empowering members to advance the science, practice and profession of clinical neurophysiology. This mission serves to fulfill the vision to optimize neurologic health through understanding of nervous system function.

ACNS Council

President
Cecil D. Hahn, MD, MPH, FACNS
Hospital for Sick Children

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Ohio State University Medical Center

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University of Texas

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Brigham & Women’s Hospital

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Eva K. Ritzl, MD, FACNS
Johns Hopkins University

Devon I. Rubin, MD, FACNS
Mayo Clinic

Sarah E. Schmitt, MD, FACNS
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Courtney J. Wusthoff, MD, FACNS
Stanford University

AMA Officer
Marc R. Nuwer, MD, PhD, FACNS
University of California Los Angeles

Journal Editor
Aatif M. Husain, MD, FACNS
Duke University Medical Center

Annual Meeting and Courses Planning Committees

Continuing Medical Education (CME) Committee

Co-Chairs:
Meriem Bensalem-Owen, MD, FACNS
Jong Woo Lee, MD, PhD, FACNS

Members:
Kapil Arya, MD, FACNS
Amy Crepeau, MD
Charles M. Epstein, MD, FACNS
Evan J. Fertig, MD
Gloria M. Galloway, MD, MBA, FACNS
Elizabeth Gerard, MD, FACNS
Hiba A. Haider, MD
Abeer J. Hani, MD

Monica Islam, MD
Pongkiat Kankirawatana, MD, FACNS
Fawad A. Khan, MD
Ammar Kheder, MD
Luis Carlos Mayor-Romero, MD
Juan Ochoa, MD, FACNS
Joel Oster, MD
Jun T. Park, MD, FAES
Karl Erwin Sanzenbacher, MD, MS, FACNS
Sarah E. Schmitt, MD, FACNS
Fahd Sultan, MD
Christa Swisher, MD, FACNS
Ron Tintner, MD

Ex-Officio:
Nicholas S. Abend, MD, MSCE, FACNS
Frank W. Drislane, MD, FACNS
Susan T. Herman, MD, FACNS
Leslie Lee, MD, FACNS
Courtney J. Wusthoff, MD, FACNS
ACNS INFORMATION

Course Committee

Co-Chairs:
Frank W. Drislane, MD, FACNS
Courtney J. Wusthoff, MD, FACNS

Members:
Elizabeth Gerard, MD, FACNS
Hiba A. Haider, MD, FACNS
Aatif M. Husain, MD, FACNS
Giridhar P. Kalamangalam, MD, PhD, FACNS
Ioannis Karakis, MD, PhD, MSc
Ruple S. Laughlin, MD, FAAN
Leslie H. Lee, MD, FACNS
Jeffrey Liou, DO
Lynn Liu, MD, FACNS
Jaime R. Lopez, MD, FACNS
Shavonne L. Massey, MD
Ana Lucila Moreira, MD
Viet Nguyen, MD, FACNS
Marc R. Nuwer, MD, PhD, FACNS
Jay S. Pathmanathan, MD, PhD
Phillip Pearl, MD, FACNS
Claus Reinsberger, MD, PhD, FACNS
Eva Ritzl, MD, FACNS
Alexander Rotenberg, MD, PhD
Elayna Rubens, MD, FACNS
Devon I. Rubin, MD, FACNS
Arnold J. Sansevere, MD
Sarah E. Schmitt, MD, FACNS
Stephan U. Schuele, MD, MPH, FACNS
Mirela V. Simon, MD, FACNS
William O. Tatum, DO, FACNS
Gregory Worrell, MD

Ex-Officio:
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Meriem Bensalem-Owen, MD, FACNS
Gloria M. Galloway, MD, MBA, FACNS
Leslie Lee, MD, FACNS
Jong Woo Lee, MD, PhD, FACNS

Program Committee

Co-Chairs:
Nicholas S. Abend, MD, MSCE, FACNS
Leslie Lee, MD, FACNS

Council Liaison:
Saurabh R. Sinha, MD, PhD, FACNS

Members:
Jayant N. Acharya, MD, DM, FAES, FACNS, FAAN, FANA
William J. Bosl, PhD
Richard C. Burgess, MD, PhD, FACNS
Bernard Allan Cohen, PhD, FACNS, FASNM
Elliot Dimberg, MD, FACNS
Jonathan C. Edwards, MD, MBA, FACNS
Ronald Emerson, MD, FACNS
William B. Gallentine, DO, FACNS
Cecil D. Hahn, MD, MPH, FACNS
Mark Hallett, MD, FACNS
Abeer J. Hani, MD
Aatif M. Husain, MD, FACNS
Akio Ikeda, MD, PhD, FACNS
Adam Juersivich, MD
Giridhar P. Kalamangalam, MD, PhD, FACNS
Peter W. Kaplan, MD, FRCP, FACNS
Ioannis Karakis, MD, PhD, MSc
Govri Lakshminarayan, MD
Suzette M. LaRoche, MD, FACNS
Ruple S. Laughlin, MD
Jong Woo Lee, MD, PhD, FACNS
Leslie Lee, MD, FACNS
Jaime R. Lopez, MD, FACNS
Faye McNall, MEd, REEGT
Daniela N. Minecan, MD, FACNS, FAES
Heidi M. Munger Clary, MD, MPH
Marcus C. Ng, MD, FRCP, CSCN(EEG)
Jonathan Norton, PhD, FACNS
Noor Pirzada, MD
Eva K. Ritzl, MD, FACNS
Alexander Rotenberg, MD, PhD
Devon I. Rubin, MD, FACNS
Arnold J. Sansevere Jr., MD
Stephan U. Schuele, MD, MPH, FACNS
Raj D. Sheth, MD, FAAN, FACNS
William O. Tatum, DO, FACNS
Martin Veilleux, MD, FACNS
M. Brandon Westover, MD, PhD, FACNS

Ex-Officio:
Meriem Bensalem-Owen, MD, FACNS
Frank W. Drislane, MD, FACNS
Jong Woo Lee, MD, PhD, FACNS
Courtney J. Wusthoff, MD, FACNS

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Phone: 414-918-9803
Fax: 414-276-3349
info@acns.org • www.acns.org

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Megan M. Hille, CAE, CMP, Executive Director, mhille@acns.org
Erin Trimmer, Senior Meetings Manager, etrimmer@acns.org
Elizabeth Mueller, Meetings Coordinator, emueller@acns.org
About the Annual Meeting & Courses
This year’s scientific program will feature the latest scientific advances in clinical neurophysiology presented by leading national and international experts in the field. This dynamic program has more choices than ever including the return of the Joint ACNS and International Society symposia, and speakers who are experts in their field. The parallel sessions will provide simultaneous sessions for interests in EEG, electrodiagnosis and neurophysiologic intraoperative monitoring.

The meeting also features a number of opportunities for networking, including a Professional Development Mentorship Program in which residents and fellow applicants are paired with senior ACNS members and provided an opportunity to connect.

**Important Dates**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Advance Registration Open</td>
<td>October 1, 2019</td>
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<tr>
<td>Poster Abstract Submission Open</td>
<td>October 1, 2019</td>
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<tr>
<td>Poster Abstract Submission Deadline</td>
<td>November 15, 2019</td>
</tr>
<tr>
<td>Poster Abstract Decision Notification</td>
<td>December 20, 2019</td>
</tr>
<tr>
<td>Housing Deadline</td>
<td>January 13, 2020</td>
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<tr>
<td>Advance Registration Deadline</td>
<td>January 13, 2020</td>
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<tr>
<td>Registration Cancellation Deadline</td>
<td>January 20, 2020</td>
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<tr>
<td>Courses Handout Website Open</td>
<td>January 31, 2020</td>
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<tr>
<td>CME Certificate Program Opens (pre-registered delegates)</td>
<td>February 8, 2020</td>
</tr>
<tr>
<td>CME Certificate Program Opens (delegates registering onsite)</td>
<td>March 8, 2020</td>
</tr>
<tr>
<td>CME Certificate Claim Deadline</td>
<td>April 3, 2020</td>
</tr>
<tr>
<td>Courses Handout Website Closes</td>
<td>April 28, 2020</td>
</tr>
</tbody>
</table>

**Register Online before January 13, 2020!**

To register online, go to the ACNS website: https://www.acns.org/meetings/annual-meeting-and-courses/2020-annual-meeting-and-courses/registration.

**Registration & Housing Open Now through January 13, 2020**

Take advantage of lower advance registration rates by registering online before 11:59pm ET on Monday, January 13, 2020. Onsite registration will be available in New Orleans, but rates will increase.

Discounted registration rates are available for:
- ACNS members;
- Residents and fellows;
- Technologists; and
- Attendees from outside the US and Canada.

The ACNS housing block at The Roosevelt New Orleans is now open, offering a group rate of $289/night. Make your reservation online at www.acns.org or by calling 866-227-5938 and mentioning the ACNS Annual Meeting.

**Headquarters Hotel and Housing Reservations**

The Roosevelt New Orleans
130 Roosevelt Way
New Orleans, LA 70112
(504) 648-1200

**Housing Reservations**

A block of rooms has been reserved for ACNS Annual Meeting & Courses delegates at the Roosevelt New Orleans. Reservations at the group rate will be accepted until January 13, 2020 OR until the block is full, whichever occurs first*. Reservations on a space-available basis after the housing deadline of January 13, 2020. We recommend booking your hotel as soon as your travel plans have been confirmed.

ACNS Group Rate: $289/night single/double occupancy

Group rate will be offered three days prior and three days following the dates of the Room Block, based on availability.

Housing Open: Now Open!
Housing Deadline: January 13, 2020

To make reservations online, visit the ACNS website: https://www.acns.org/meetings/annual-meeting-and-courses/2020-annual-meeting-and-courses/housing

To make reservations by phone, call 504-648-1200. If making reservations by phone, don’t forget to mention the ACNS Annual Meeting to receive the group rate!

**Registration Procedure**

Save on registration fees and avoid long lines onsite when you register before the advance deadline of January 13! Online registration is a fast an easy way to register in advance, however, delegates may also register by completing and mailing or faxing the PDF registration form available online or on page 22.

All registrations will be confirmed by email. If you do not receive a confirmation within two weeks of submission, please contact the ACNS Executive Office at (414) 918-9803 or info@acns.org.

**New Orleans Visitor Information**

Nearest Airport: Louis Armstrong New Orleans International Airport

Average February Temperatures: High 64° F, Low 42° F
CONTINUING MEDICAL EDUCATION (CME) INFORMATION

Educational Mission Statement

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.

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.

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 (ACME), 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
Several emerging areas of clinical neurophysiology have significant practice gaps in which the opportunities for training and mentoring fall short of the need for experienced and trained neurologists. Intraoperative monitoring, intensive care unit EEG monitoring, Video and Quantitative EEG and invasive evaluation for epilepsy surgery with Stereo EEG are growing areas of clinical neurophysiology with few practicing neurologists having adequate training in these techniques. Adult and pediatric physicians as well as neurodiagnostic technologists with competence in these areas are in great demand. Without additional specialized training, neurologists will not be competent to conduct these types of monitoring.

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, advanced EMG procedures) are performed at low volume at many centers and a forum for review and hands-on interpretation are essential to improve and 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, e.g. 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.
COmmittee on Educational Affairs

CONTINUING MEDICAL EDUCATION (CME) INFORMATION

Policy on Financial Disclosures
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.

Meeting Description
The ACNS Annual Meeting & Courses are designed to provide a solid review of the fundamentals and the latest scientific advances in both “central” and “peripheral” clinical neurophysiology. Presentations at the Annual Meeting & Courses are given by leading experts in the field and have value for health care professionals who utilize clinical neurophysiology. Sessions include symposia, workshops, courses and Special Interest Groups, featuring didactic lectures, expert panels, debates and interactive formats. Poster presentations at the Annual Meeting highlight the latest work conducted at clinical neurophysiology centers around the country.

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.

Annual Courses Learning Objectives
At the conclusion of the Annual Courses, the participant will be able to:

1. Describe the indications for use of clinical neurophysiology techniques in diagnosis of disorders of the nervous system;
2. Incorporate new neurophysiology procedures and technological advances into his/her own clinical practice; and
3. Perform and interpret a broad range of clinical neurophysiology procedures, and integrate the results of these tests into comprehensive patient management plans.

Annual Meeting Learning Objectives
At the conclusion of the Annual Meeting, the participant will be able to:

1. Discuss recent advances in electroencephalography, evoked potentials, ALS, magnetoencephalography, practice technologies, nerve conduction studies and other clinical neurophysiology techniques; and
2. Apply advances in clinical neurophysiology techniques to improve the diagnosis of neurologic disorders.

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 ACCME to provide continuing medical education for physicians.

Credit Designation
ACNS designates the Annual Meeting for a maximum of 17.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

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

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgery/Stero EEG Part I</td>
<td>6.5</td>
</tr>
<tr>
<td>Neurophysiologic Intraoperative Monitoring (NIOM) Part I</td>
<td>6.5</td>
</tr>
<tr>
<td>Intensive Care Unit EEG Monitoring (ICU EEG) Part I</td>
<td>6.5</td>
</tr>
<tr>
<td>Video-EEG Basic</td>
<td>2</td>
</tr>
<tr>
<td>EMG/Peripheral Nervous System</td>
<td>6.5</td>
</tr>
<tr>
<td>Epilepsy Surgery/Invasive EEG Course Part II</td>
<td>1.5</td>
</tr>
<tr>
<td>Neurophysiologic Intraoperative Monitoring (NIOM) Part II</td>
<td>5</td>
</tr>
<tr>
<td>Intensive Care Unit EEG Monitoring (ICU EEG) Part II</td>
<td>3</td>
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<tr>
<td>Autonomic Neurophysiology</td>
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</table>

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Credit(s)</th>
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</thead>
<tbody>
<tr>
<td>Director’s Symposium</td>
<td>2</td>
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<tr>
<td>Basic EEG</td>
<td>3</td>
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<tr>
<td>Video-EEG Advanced</td>
<td>2</td>
</tr>
<tr>
<td>Evoked Potentials</td>
<td>1.5</td>
</tr>
<tr>
<td>Neonatal EEG Workshop: Year of the Premie</td>
<td>1.5</td>
</tr>
<tr>
<td>CPT Coding Changes</td>
<td>2</td>
</tr>
<tr>
<td>Neuromodulation/Stimulation in Human Brain</td>
<td>3</td>
</tr>
<tr>
<td>Ultrasound Workshop</td>
<td>3</td>
</tr>
</tbody>
</table>

Continuing Medical Education Program: 2020 ACNS Annual Meeting & Courses FEBRUARY 5-9, 2020 THE ROOSEVELT NEW ORLEANS NEW ORLEANS, LOUISIANA
Several young physician investigators will be awarded travel fellowships of $1,000 each. These fellowships are determined based upon the ranking of the applicant’s abstract by the Program Committee.

Eligibility Criteria
Applicant must be: (1) a current ACNS member or apply for membership concurrent with application for Travel Award; (2) a resident, fellow, or junior faculty within two years of completion of fellowship training; and (3) be the first author of an abstract submitted to the Annual Meeting. Applicant must meet all the aforementioned criteria in order to be considered for the Young Investigator Travel Award. Prior recipients of Travel Fellowships are not eligible for additional Travel Fellowship awards.

Selection
Awardees will be chosen based on the quality of submitted abstracts, as ranked by the ACNS Program Committee. A total of six travel fellowships will be awarded for the ACNS 2020 Annual Meeting. Additional travel awards may be awarded if funding is available.

Award
Awardees will receive complimentary registration for the meeting and reimbursement of travel funds up to $1,000, upon provision of an expense voucher, and original receipts. Awardees will be recognized at an award ceremony during the Annual Meeting. Awards are one-time only.

The ACNS Resident & Fellow Education Committee has organized a SIG, featuring case presentations made by trainees in clinical neurophysiology. Authors submitting case report posters may elect during the submission process to have their case considered for a podium presentation in this SIG.

Eligibility Criteria
To be eligible, submitters must be currently enrolled in a CNP-related training program (residency or fellowship) and submit a case report poster presentation by the deadline of November 15, 2019.

Selection
Presentations will be chosen based on the quality of the submitted abstracts, as ranked by the ACNS Resident and Fellow Education Committee. Submitters will be notified no later than December 19, 2019.

Award
Selected cases will be presented during the Resident & Fellow SIG on Saturday, February 8 at 9:00am. In addition, the case presenter will receive $200 off registration to the 2021 Annual Meeting & Courses in Austin, Texas.

Procedures
Upon close of abstract submission, the ACNS Program Committee will review, evaluate, and rank abstracts, including all candidates for consideration to receive a travel award. The Program Committee Co-Chairs will select the final six awardees based on the collective rankings from the Program Committee. ACNS will notify awardees of decision no later than December 19, 2019. Awardees will then be expected to accept invitation by the deadlines set forth in their acceptance notifications, as well as register for the Annual Meeting, and secure travel arrangements. Upon provision of an expense voucher, including original receipts, reimbursement will be provided to award recipients, no later than 30 days after the Annual Meeting.

Cancellation Policy
Award recipients are expected to register to attend the Annual Meeting by the deadlines set forth in their acceptance notification. If an award recipient cancels their registration prior to the meeting, the Travel Award may be withdrawn from the individual and designated to another candidate.
Mentor Program Meet and Greet & Career Development Panel
Thursday, February 6, 2020
5:45-7:45pm
This panel discussion will provide guidance to residents, fellows and early-stage neurologists to plan and build a successful career in Clinical Neurophysiology. A panel of experts will share their experience on various career pathways in clinical neurophysiology, including academia, transition to private practice, collaboration with industry and telemedicine. The audience will learn about the clinical duties, education, innovation and research, administration and leadership, finance, regulatory and medicolegal issues of different practice models and how each of them impacts quality of life.

**Panelists:**
- Jeffrey Britton, MD, FACNS
  Professor of Neurology, Mayo Clinic School of Medicine
  Perspective: Clinician educator and division chief
- Eric Anderson, MD, PhD
  Chair of Neurology, SOC Telemed; Medical Director/Director of Telemedicine, Corticare; Owner, Intensive Neuromonitoring
  Perspective: Working in Tele-CNP
- M. Brandon Westover, MD, PhD, FACNS
  Massachusetts General Hospital
  Perspective: Clinician researcher about NIH funding in CNP
- Jay S. Pathmanathan, MD, PhD
  Assistant Professor, University of Pennsylvania
  Perspective: Working and applying for funding at the VA
- Andrea Hakimi, DO, FACNS, FAES
  Epilepsy Director, UMG/Neuroscience Associates
  Perspective: Working in a private/semiprivate setting
- Martha J. Morrell, MD
  Chief Medical Officer, Neuropace
  Perspective: Working in and collaborating with industry

 Lennon FOR A MENTOR?
Interested in guiding the next generation of Clinical Neurophysiologists?

**Welcome Reception**
Friday, February 7, 2020
7:30-9:00pm
Dr. Cecil D. Hahn, MD, MPH, FACNS formally invites all Annual Meeting Delegates to attend the ACNS Welcome Reception on Friday, February 7, from 7:30-9:00pm in the Exhibit Hall.

**New Member Breakfast**
Saturday, February 8, 2020
7:00-8:30am
ACNS members who have joined the Society in the past year are invited and encouraged to attend the New Member Breakfast. ACNS leaders will be in attendance to welcome you to the Society and to discuss all the benefits ACNS membership has to offer.

**professional Development Mentor Program**
Participants in the ACNS Professional Development Mentor Program are welcome to make use of a designated meeting area in the common areas on Friday and Saturday during breaks and lunches. Please look for the designated tables as a place to meet up!

**International Attendee Breakfast**
Saturday, February 8, 2020
7:00-8:30am
International meeting attendees are invited to join ACNS leadership for a breakfast and networking.

**Look Up for the ACNS Professional Development Mentor Program!**
The program is seeking both senior faculty willing to provide guidance and mentorship, as well as residents and fellows looking for direction in their careers both in the larger field of CNP and within ACNS.

**Join in and network with some of the best neurophysiologists in the world!**
The goals of the ACNS Professional Development mentor program are to:
- Foster career development in Clinical Neurophysiology;
- Encourage active participation in the many activities of ACNS; and
- Facilitate networking among ACNS members.

For more information on being a mentor or mentee please go to https://www.acns.org/education/residents-and-fellows and sign up for the program when you register to attend the 2020 ACNS Annual Meeting in New Orleans!
AWARD RECIPIENTS & LECTURES

2020 Herbert H. Jasper Award
Ronald Lesser, MD, FACNS

The Jasper Award is presented annually to an individual who has made a lifetime of outstanding contributions to the field of clinical neurophysiology. Dr. Lesser will be recognized and present the 2020 Jasper Award Lecture during a general session on Friday, February 7, 2020.

Dr. Lesser grew up in Los Angeles, attending Hollywood High School, Pomona College, and the University of Southern California School of Medicine. He then did his PGY1 year in Pediatrics at Mayo Clinic, in Rochester, Minnesota and two years in the United States Indian Health Service in Rapid City, South Dakota. After training in Psychiatry and then Neurology at Columbia-Presbyterian Medical Center, New York City, he was at the Cleveland Clinic from 1979-1986. Since then, he has been at Johns Hopkins University School of Medicine, where he is Professor of Neurology and Neurosurgery.

2020 Pierre Gloor Award
Richard C. Burgess, MD, PhD, FACNS

The Gloor Award is presented annually for outstanding current contributions to clinical neurophysiology research. Dr. Burgess will be recognized and will deliver the 2020 Gloor Award Lecture on Friday, February 7, 2020.

Dr. Burgess was responsible for bringing magnetoencephalography to the Cleveland Clinic in 2008. Since its inception at CCF, Dr. Burgess has conducted MEG assessments of more than 2,000 patients with complicated epilepsy, and has mentored many post-doctoral trainees in multi-year Magnetoencephalography Fellowships (including 9 international fellows). Since 2010, Dr. Burgess has been a member the Board of Directors of the American Clinical MEG Society (ACMEGS). As a leader of the ACMEGS Clinical Practice Guidelines taskforce, Dr. Burgess has promulgated magnetoencephalography clinical guidelines in 2011, which were also subsequently endorsed by the ACNS. From 2015 to 2018, Dr. Burgess served as President of the ACMEGS. He is also on the Executive Committee of the International Society for the Advancement of Clinical Magnetoencephalography.

2020 Robert S. Schwab Award
Francis O. Walker, MD, FACNS

The Schwab Award is presented annually to an individual who has made significant contributions in the area of clinical neurophysiology. Dr. Walker will be recognized and will deliver the 2020 Schwab Award Lecture on Saturday, February 8, 2020.

Dr. Walker earned his medical degree at Indiana University School of Medicine and completed residency and fellowship training at the Universities of Iowa and Michigan. He currently is a Professor of Neurology at Wake Forest School of Medicine where he established Diagnostic EMG Laboratory, The Section of Movement Disorders, the Deep Brain Stimulation Program for Parkinson’s Disease, The Botulinum Toxin program, and The Victor T. Rogers Huntington’s Disease Clinic. He has helped train 60 fellows and is the recipient of Wake Forest Medical Student Teaching and Faculty Mentoring Awards. He has authored or co-authored over 200 peer reviewed publications. His work in the field of Neuromuscular Ultrasound and his textbook are considered pioneering. Dr. Walker has also served on the ACNS Council and on the Editorial Boards of The Journal of the Neurological Sciences, the Journal of Clinical Neurophysiology, and Muscle and Nerve and he is a Past President of the American Association of Neuromuscular and Electrodiagnostic Medicine (AANEM).

Marc R. Nuwer Service Award
Marc R. Nuwer, MD, PhD, FACNS

Dr. Nuwer is Professor of Neurology and the Director of the Clinical Neurophysiology Fellowship Program at UCLA.

Dr. Nuwer has served ACNS and field of Clinical Neurophysiology enormously over the past 35 years, having served as president of ACNS from 1993-94 and of IFCN from 1997-2001. Dr. Nuwer has been a tireless advocate for ACNS and his members, representing ACNS in the AMA House of Delegates, at RUC and CPT, and as the chair of the Advocacy Committee all for more than a decade. He has instrumental in advocating for reimbursement for clinical neurophysiology. He holds a “permanent” seat on the ACNS Council and is the most fervent of ACNS’s supporters worldwide.

Dr. Nuwer is the inaugural recipient of the ACNS Service Award, which shall be known as the Marc R. Nuwer Service Award. The award will be presented during the ACNS Business Meeting on Saturday, February 8 at 5:30pm.
WEDNESDAY, FEBRUARY 5, 2020

**Intensive Care Unit EEG Monitoring (ICU EEG) - Part I**
9:00am-5:00pm

*Course Co-Chairs: Elizabeth Gerard, MD, FACNS and Courtney J. Wusthoff, MD, FACNS*

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00am</td>
<td>Welcome</td>
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<tr>
<td>9:05am</td>
<td>Logistics of ICU EEG Monitoring from Neonates to Adults</td>
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<td>9:30am</td>
<td>Discussion</td>
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<tr>
<td>9:40am</td>
<td>ACNS Terminology</td>
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<td>10:05am</td>
<td>Discussion</td>
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<td>10:25am</td>
<td>The Ictal-Interictal Continuum</td>
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<td>10:50am</td>
<td>Discussion</td>
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<td>11:00am</td>
<td>cEEG in Neonates</td>
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<td>11:25am</td>
<td>Discussion</td>
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<tr>
<td>11:35am</td>
<td>Neonatal and Pediatric Cases</td>
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<td>12:00pm</td>
<td>Lunch Break</td>
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<tr>
<td>1:00pm</td>
<td>“That’s a Seizure … Is It? Definitions of Electrographic Seizures and When to Trust Your Instincts</td>
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<td>1:25pm</td>
<td>Discussion</td>
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<tr>
<td>1:35pm</td>
<td>Treatment of Convulsive and Nonconvulsive Seizures and Status Epilepticus</td>
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<td>2:00pm</td>
<td>Discussion</td>
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<tr>
<td>2:10pm</td>
<td>NORSE, FIRES and Autoimmune Encephalitis</td>
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<tr>
<td>2:35pm</td>
<td>Discussion</td>
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<tr>
<td>2:45pm</td>
<td>Background, Reactivity and Toxic Metabolic Encephalopathy</td>
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<td>3:10pm</td>
<td>Discussion</td>
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<tr>
<td>3:20pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30pm</td>
<td>Anoxic Brain Injury and Myoclonic Status</td>
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<td>3:55pm</td>
<td>Discussion</td>
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</table>

**Neurophysiologic Intraoperative Monitoring (NIOM) - Part I**
9:00am-5:00pm

*Course Co-Chairs: Eva K. Ritzl, MD, FACNS and Mirela V. Simon, MD, FACNS*

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<tr>
<td>9:00am</td>
<td>Welcome and Introductions</td>
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<tr>
<td>9:05am</td>
<td>SEP Monitoring</td>
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<td>9:45am</td>
<td>MEP Monitoring</td>
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<td>10:25am</td>
<td>Coffee Break</td>
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<td>10:40am</td>
<td>BAEP Monitoring</td>
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<td>11:20am</td>
<td>EEG Monitoring</td>
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<td>12:00pm</td>
<td>Discussion</td>
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<tr>
<td>12:15pm</td>
<td>Lunch and Visit Exhibits</td>
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<tr>
<td>1:15pm</td>
<td>EMG and Nerve Recordings</td>
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<td>1:55pm</td>
<td>Anesthesia</td>
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<td>2:35pm</td>
<td>Error Avoidance in the OR: Technical and Non-Technical Issues</td>
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<td>3:15pm</td>
<td>Coffee Break</td>
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<tr>
<td>3:30pm</td>
<td>Medicolegal Issues</td>
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<td>4:10pm</td>
<td>Billing Issues</td>
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<td>4:50pm</td>
<td>Discussion</td>
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ANNUAL COURSE PROGRAM

Epilepsy Surgery/Stereo EEG - Part I
9:00am-5:00pm

Course Co-Chairs: Stephan U. Schuele, MD, MPH, FACNS and Giridhar Kalamangalam, MD, DPhil, FACNS

9:00am  Welcome and Overview
Giridhar Kalamangalam, MD, DPhil, FACNS

9:05am  Understanding the Noninvasive Data
Stephan U. Schuele, MD, MPH, FACNS

9:30am  Seizure Semiology: General Principle
Patrick Chauvel, MD

10:15am  Coffee Break

10:30am  Intracranial EEG: Physics and Physiology
Jean Gotman, PhD, FACNS

11:00am  Implant Strategy
Giridhar Kalamangalam, MD, DPhil, FACNS

11:30am  Neuropsychology for the Surgical Epileptologist
Daniel Drane, PhD

12:00pm  Stimulation Mapping
Birgit Frauscher, MD

12:30pm  Lunch Break

1:00pm  PVNH & Complex Lesional Epilepsy
François Dubéau, MD

1:30pm  Surgical Strategy in Adults
Nitin Tandon, MD

2:00pm  Neuromodulation
Lawrence J. Hirsch, MD, FACNS

2:30pm  Coffee Break

2:45pm  Pediatric Surgical Workup and SEEG
Elia Pestana-Knight, MD, FACNS

3:15pm  Surgical Strategy in Pediatric Epilepsy
Seelig S.D. Stone, PhD, MD

3:45pm  Was It All Worth It? Epilepsy Surgery Outcome
Lara E. Jehi, MD

4:15pm  Summary Comments
Stephan U. Schuele, MD, MPH, FACNS

4:30pm  Discussion

THURSDAY, FEBRUARY 6, 2020

Evoked Potentials
7:00-8:30am

Course Co-Chairs: Elayna Rubens, MD, FACNS and Viet Nguyen, MD, FACNS

7:00am  Brainstem Auditory Evoked Potentials (BAEPs)
Alan D. Legatt, MD, PhD, FACNS

7:30am  Visual Evoked Potentials (VEPs)
Aatif M. Husain, MD, FACNS

8:00am  Somatosensory Evoked Potentials (SEPs)
Elayna Rubens, MD

Neonatal EEG Workshop: Year of the Premie
7:00-8:30am

Course Chair: Shavonne L. Massey, MD

7:00am  Introduction ‘Year of the Premie’
Shavonne L. Massey, MD

7:10am  Ontogeny of the Neonatal EEG
Mark Scher, MD

7:50am  Interictal and Ictal Patterns in Premature Neonates
Courtney J. Wusthoff, MD, FACNS and Ronit Pressler, MD

Epilepsy Surgery/Invasive EEG Course Part 2 - SEEG/Case-Based Discussion
7:00-8:30am

Course Co-Chairs: Stephan U. Schuele, MD, MPH, FACNS and Giridhar Kalamangalam, MD, DPhil, FACNS

This course will feature real life case-based discussion and illustration of practical management decisions.
ANNUAL COURSE PROGRAM

Intensive Care Unit EEG Monitoring (ICU EEG) - Part II
9:00am-12:00pm

Course Co-Chairs: Elizabeth Gerard, MD, FACNS and Courtney J. Wusthoff, MD, FACNS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00am</td>
<td>Welcome</td>
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<tr>
<td>9:05am</td>
<td>Welcome, Elizabeth Gerard, MD, FACNS and Courtney J. Wusthoff, MD, FACNS</td>
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<tr>
<td>9:05am</td>
<td>Principles of Quantitative EEG Trends</td>
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<td>9:25am</td>
<td>Discussion</td>
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<td>9:35am</td>
<td>qEEG for Seizure Detection</td>
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<td>Discussion</td>
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<td>aEEG in Neonates</td>
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<td>Discussion</td>
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<td>Coffee Break</td>
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<tr>
<td>10:45am</td>
<td>Role of qEEG in Prognosis and Ischemia Monitoring</td>
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<td>11:10am</td>
<td>Discussion</td>
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<td>11:20am</td>
<td>qEEG Cases: Adult</td>
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<td>11:40am</td>
<td>qEEG Cases: Peds</td>
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12:00pm Lunch Break

1:00pm Corticobulbar MEP Monitoring with Cases and Brainstem Reflexes?
      Sedat Ulkatan, MD

1:35pm Functional Mapping of the Brain
      Mirela V. Simon, MD, FACNS

2:10pm Monitoring for Vascular Surgery
      Leslie H. Lee, MD, FACNS

2:45pm Discussion

Electromyography (EMG)/Peripheral
9:00am-5:00pm

Course Co-Chairs: Devon I. Rubin, MD, FACNS and Ruple S. Laughlin, MD, FAAN

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<tr>
<td>9:00am</td>
<td>Basic Concepts of Nerve Conduction Studies and Patterns of Abnormalities</td>
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<td>9:45am</td>
<td>Pitfalls of Nerve Conduction Studies</td>
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<td>10:30am</td>
<td>Coffee Break</td>
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<tr>
<td>10:45 am</td>
<td>NCS Demonstration: Basic Techniques and Pitfalls</td>
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<td>12:00pm</td>
<td>Lunch Break</td>
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<tr>
<td>1:00pm</td>
<td>EMG Waveforms — Recognition and Interpretation of Normal and Abnormal Waveforms</td>
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<td>2:00pm</td>
<td>EDX Approach to Peripheral Neuropathies</td>
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<td>2:30pm</td>
<td>EDX Approach to Neuromuscular Junction Disorders</td>
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<td>3:15pm</td>
<td>EDX Approach to Myopathies</td>
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<td>3:45pm</td>
<td>Coffee Break</td>
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<tr>
<td>4:00pm</td>
<td>NCS Demonstration Advanced Techniques, Including Repetitive Stimulation, Unusual NCS, and Cranial Nerve Studies</td>
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Neurophysiologic Intraoperative Monitoring (NIOM) - Part II
9:00am-3:00pm

Course Co-Chairs: Eva K. Ritzl, MD, FACNS and Mirela V. Simon, MD, FACNS

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<td>Monitoring for Brachial Plexus and Nerve Repair Surgery</td>
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<td>Coffee Break</td>
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<td>10:40am</td>
<td>Monitoring for Spinal Cord Tumor Surgery</td>
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<td>11:10am</td>
<td>Monitoring for Spinal Column Surgery</td>
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12:00pm Lunch Break
# ANNUAL COURSE PROGRAM

## CNP Director’s Symposium: Navigating the CNP Fellowship Landscape in the Era of Neuromuscular and Epilepsy Fellowships

**12:30-3:00pm**

**Course Co-Chairs:** Lynn Liu, MD, FACNS and Ioannis Karakis, MD, PhD, MSc

- **12:30pm** Welcome and Lunch
  - Lynn Liu, MD, FACNS and Ioannis Karakis, MD, PhD, MSc

- **1:00pm** The Impact of ACGME Epilepsy and Neuromuscular Fellowship Accreditation on CNP Positions and ABNP Board Examinations
  - Lynn Liu, MD, FACNS and Ioannis Karakis, MD, PhD, MSc

- **1:15pm** Navigating the CNP/EEG Fellowship Landscape in the Era of Epilepsy Fellowship
  - Jennifer Hopp, MD

- **1:50pm** Navigating the CNP/EMG Fellowship Landscape in the Era of Neuromuscular Fellowship
  - Eric Logigian, MD

- **2:25pm** Navigating the Mixed CNP Fellowship Landscape and Incorporating Other CNP Modalities (Sleep, IOM, Autonomic, etc)
  - Saurabh R. Sinha, MD, PhD, FACNS

## Video EEG Basic

**1:00-3:00pm**

**Course Co-Chairs:** William O. Tatum, DO, FACNS and Phillip Pearl, MD, FACNS

- **1:00pm** The Approach to Video-EEG Monitoring in the Differential Diagnosis of Patients with Recurrent Spells (epileptic vs nonepileptic). - Indications
  - William O. Tatum, DO, FACNS

- **1:25pm** Interpreting Semiological Signs During Video-EEG Monitoring Suggesting Focal and Generalized Seizure Onset (focal vs generalized). - Technique
  - Michael Sperling, MD, FACNS

- **1:50pm** Ontogeny of Semiology: Transitional Signs from Pediatrics to Adulthood
  - Luca Bartolini, MD

- **2:15pm** Classification of Epilepsy Syndromes for Treatment - Utility
  - Phillip Pearl, MD, FACNS

- **2:40pm** Discussion

## Autonomic Neurophysiology

**3:30-5:30pm**

**Course Co-Chairs:** Claus Reinsberger, MD, PhD, FACNS and Jeffrey Liou, DO

- **3:30pm** Introduction, Anatomy & Physiology of the Autonomic Nervous System
  - Claus Reinsberger, MD, PhD, FACNS

- **3:45pm** Autonomic Testing
  - Jeffrey Liou, DO

- **4:15pm** Neurological Disorders with Central Autonomic Failure
  - Alexandra Hovaguimian, MD

- **4:45pm** Peripheral Autonomic Failure
  - Peter Novak, MD, PhD

- **5:15pm** Discussion

## CPT Coding Changes: EEG Monitoring and Neurostimulation

**3:30-5:30pm**

**Course Chair:** Marc R. Nuwer, MD, PhD, FACNS

- **3:30pm** RUC Process to Value New Codes
  - Eva K. Ritzl, MD, FACNS

- **3:50pm** Neurostimulation Codes for VNS and RNS
  - Jonathan C. Edwards, MD, MBA, FACNS

- **4:15pm** 2020 New CPT Codes for Video-EEG and EEG Monitoring
  - Marc R. Nuwer, MD, PhD, FACNS

- **5:00pm** Discussion
FRIDAY, FEBRUARY 7, 2020

Basic EEG
7:00-10:00am
Course Co-Chairs: Ioannis Karakis, MD, PhD, MSc, FACNS and Jay S. Pathmanathan, MD, PhD

7:00am  Normal Adult EEG
Selim R. Benbadis, MD, FACNS

7:30am  Normal Neonatal and Pediatric EEG
Tammy Tsuchida, MD, PhD, FACNS

8:00am  Normal EEG Variants
Meriem Bensalem-Owen, MD, FACNS

8:30am  Artifacts
Ioannis Karakis, MD, PhD, MSc, FACNS

9:00am  Non Epileptiform Abnormalities
Hiba A. Haider, MD, FACNS

9:30am  Epileptiform Abnormalities
Jay S. Pathmanathan, MD, PhD

Neuromodulation/Stimulation in Human Brain
7:00-10:00am
Course Co-Chairs: Gregory Worrell, MD and Alexander Rotenberg, MD, PhD

7:00am  Introduction: Electrical Stimulation of Brain
Greg Worrell, MD, PhD

7:05am  Introduction: Non-Invasive Approaches
Alexander Rotenberg, MD, PhD

7:10am  TMS in Clinical Practice
Melissa Tsuboyama, MD

7:30am  Early Stage Clinical Transcranial Electrical Stimulation
Emiliano Santarnecchi, PhD

8:00am  Translational Brain Stimulation and Drug-Device Coupling
Alexander Rotenberg, MD, PhD

8:30am  Invasive Stimulation Approaches DBS for Epilepsy
Robert Fisher, MD, PhD

9:00am  RNS for Epilepsy
Brian Lundstrom, MD, PhD

9:30am  Next Generation Devices
Tim Denison, PhD

Ultrasound Workshop
7:00-10:00am
Course Co-Chairs: Ana Lucila Moreira, MD and Aatif M. Husain, MD, FACNS

7:00am  Basics on Ultrasound Image and Artifacts
Ana Lucila Moreira, MD

7:20am  Nerve Ultrasound: Upper Limb
Devon I. Rubin, MD, FACNS

7:40am  Nerve Ultrasound: Lower Limb
Ana Lucila Moreira, MD

8:00am  The Contribution of Ultrasound to ENMG: Making It Easier to Evaluate the Diaphragm
Ruple S. Laughlin, MD, FAAN

8:20am  Discussion

8:30am  Demonstration Stations, (30 Minutes Each - Rotation)
Median Nerve and Ulnar Nerve
Devon I. Rubin, MD, FACNS
Diaphragm
Ana Lucila Moreira, MD
Radial Nerve and US Lower Limb
Ruple S. Laughlin, MD, FAAN

Video EEG Advanced
8:00-10:00am
Course Co-Chairs: William O. Tatum, DO, FACNS and Phillip Pearl, MD, FACNS

8:00am  Localizing the Epileptogenic Zone Using Scalp-based Video-EEG Monitoring
William O. Tatum, DO, FACNS

8:35am  Comparing the Techniques Using EEG During Intracranial Video-EEG Monitoring
Imad Najm, MD

9:10am  Localizing the Epileptogenic Zone in Pediatric Patients with Video-EEG Monitoring
Phillip Pearl, MD, FACNS

9:45am  Discussion
### FRIDAY, FEBRUARY 7, 2020

**General Session**  
**10:30am**

**Presidential Address**  
Cecil D. Hahn, MD, MPH, FACNS  

**11:30am-1:00pm**  
**Lunch Break and Visit Exhibits**  
**Learning Lab - Ambulatory EEG Monitoring**

**Concurrent Sessions**  
**1:00-2:30pm**

**Continuous EEG Findings in Refractory Status Epilepticus**  
*Session Director: Teneille Gofton, MD, MSc, FRCPC, CSCN(EEG)*

- **1:00pm**  
  Continuous EEG Findings in Adult and Pediatric Patients with Refractory Status Epilepticus.  
  *Claude Steriade, MD*

- **1:30pm**  
  Applying Quantitative EEG to the Monitoring of Patients with Refractory Status Epilepticus  
  *Nicolas Gaspard, MD, PhD*

- **2:00pm**  
  Implications of cEEG Findings for Medication Prescribing and Weaning in Refractory Status Epilepticus  
  *Sara Hocker, MD, PhD*

**High Density EEG and Electrical Source Imaging in Clinical Practice**  
*Session Directors: Susan T. Herman, MD, FACNS and Catherine J. Chu, MD, MMSc*

- **1:00pm**  
  Clinical Indications for HD EEG and ESI  
  *Susan T. Herman, MD, FACNS*

- **1:20pm**  
  Electrical Source Imaging Techniques  
  *Matti Hamalainen, PhD*

- **1:40pm**  
  Validating HD EEG Results  
  *Brian Lundstrom, MD, PhD*

- **2:05pm**  
  Steps and Barriers to Setting Up an HD EEG / ESI Lab  
  *Adriana Bermeo-Ovalle, MD, FACNS*

**Mastering EMG Motor Unit Potential Analysis: Learning the Skill of Deliberate Practice**  
*Session Director: Devon I. Rubin, MD, FACNS*

- **1:00pm**  
  Overview of Skills to Master MUP Analysis  
  *Devon I. Rubin, MD, FACNS*

- **1:15pm**  
  Interpretation of Individual MUP Parameters  
  *Devon I. Rubin, MD, FACNS*

- **2:15pm**  
  Putting It All Together: Analyzing Unknown MUPs  
  *Devon I. Rubin, MD, FACNS*

**Update on Non-Invasive Presurgical Functional Mapping Methods in Children**  
*Session Director: James W. Wheless, MD*

- **1:00pm**  
  Introduction to Non-Invasive Presurgical Functional Mapping Methods in Children  
  *James W. Wheless, MD*

- **1:15pm**  
  MEG: Background and Clinical Utility in Pediatric Clinical Populations  
  *Roozbeh Rezaie, PhD*

- **1:35pm**  
  fMRI: Background and Clinical Utility in Pediatric Clinical Populations  
  *Asim Choudhari, MD*

- **1:55pm**  
  TMS: Background and Clinical Utility in Pediatric Clinical Populations  
  *Shalini Narayana, PhD*

**Wearables Against Death – SUDEP, Sleep, and Nocturnal Seizures**  
*Session Director: Marcus C. Ng, MD, FRCP, CSCN, FACNS*

- **1:00pm**  
  SUDEP and Breathing  
  *Milena Pavlova, MD*

- **1:30pm**  
  SUDEP, REM Sleep and Muscle Tone  
  *Marcus C. Ng, MD, FRCP, CSCN, FACNS*

- **2:00pm**  
  SUDEP and Wearable Devices  
  *Rani Sarkis, MD, MSc, FACNS*

**Coffee Break in the Exhibit Hall**

**Concurrent Sessions**  
**2:45-4:15pm**

**Continuous EEG of Hypoxic-Ischemic Brain Injury in The Era of Targeted Temperature Management**  
*Session Directors: Edilberto Amorim De Cerqueira Filho, MD and Jong Woo Lee, MD, PhD, FACNS*

- **2:45pm**  
  Biochemical and Histopathological Correlates of EEG  
  *Michel van Putten, MD, MSc, PhD*

- **3:15pm**  
  Electroclinical Assessment of Myoclonus and Myoclonus Status Epilepticus  
  *Monica Dhakar, MD, MS*

- **3:45pm**  
  Neuroimaging Correlates to Continuous EEG Monitoring: CCEMRC Collaborative Study  
  *Edilberto Amorim, MD*
ANNUAL MEETING SCIENTIFIC PROGRAM

Controversies in Neonatal Seizures
ACNS/British Society for Clinical Neurophysiology Joint Symposium
Session Directors: Ronit Pressler, PhD, MD and Tammy Tsuchida, MD, PhD, FACNS

2:45pm  EEG Characteristics and Minimum Seizure Duration in Neonatal Seizures
Tammy Tsuchida, MD, PhD, FACNS

3:15pm  Value of Automatic Seizure Detection in the NICU
Geraldine Boylan, MD

3:45pm  Role of Semiology and Classification in the Management of Neonatal Seizures
Ronit Pressler, PhD, MD

How Slow Can the Brain Go? Investigating the Dynamics of Slow Oscillations Following Acquired Brain Injuries
Session Directors: Rejean Guerriero, DO and Stuart Tomko, MD

2:45pm  Infraslow Activity in Postanoxic Encephalopathy
Michel van Putten, MD, MSc, PhD

3:15pm  No Lower Limit: The Slow and Infinitely Slow Waves that Mediate Secondary Injury and Death of Cerebral Cortex
Jed Hartings, PhD

3:45pm  Bilevel Spectral Analysis Reveals Millihertz Oscillatory Modulation in the EEG of Young Children
ShiNung Ching, PhD, MASc

Inpatient Weakness: Clinical and EDX Approach
Session Director: Ruple S. Laughlin, MD, FAAN

2:45pm  Failure to Ween: Clinical and EDX Findings in Neuromuscular Junction Disorders
Ruple S. Laughlin, MD, FAAN

3:15pm  Acute Inflammatory Polyradiculoneuropathies: Characteristic Findings and EDX Hallmark
Cory J. Kogelschatz, MD

3:45pm  ICU-Acquired Weakness: Clinical and Electrodiagnostic Features
Brent Goodman, MD

Concurrent Sessions
4:30-6:00pm

Nonconvulsive Status Epilepticus: Diagnostic Approach in Adults and Children
ACNS/Austrian Society for Clinical Neurophysiology Joint Symposium
Session Directors: Markus Leitinger, MD and Eugen Trinka, MD, MSc, FRCR

4:30pm  Diagnostic Criteria of Non-Convulsive Status Epilepticus (NCSE)
Markus Leitinger, MD

5:00pm  MIMICS and the Borderland of NCSE
Eugen Trinka, MD, MSc, FRCR

5:30pm  NCSE - Pediatric Diagnosis and Management
Nicholas S. Abend, MD MSCE, FACNS

It's Not All Child's Play: Presurgical Functional Mapping in Children Using Transcranial Magnetic Stimulation
Session Director: Alexander Rotenberg, MD, PhD

4:35pm  Fundamentals of TMS and Motor Mapping Protocols
Alexander Rotenberg, MD, PhD

5:00pm  TMS Language Mapping in Children: Challenges and Opportunities
Shalini Narayana, PhD

5:25pm  Clinical Utility of TMS and Its Integration with Other Noninvasive and Invasive Functional Mapping Modalities
James W. Wheless, MD

Selective Dorsal Rhizotomy: Making the Cut
Session Director: Monica P. Islam, MD, FACNS

4:30pm  Selective Dorsal Rhizotomy: A Set-Up for Success
Monica P. Islam, MD, FACNS

5:00pm  Conus Rhizotomy: Why is it Better?
Jeffrey R. Leonard, MD

5:30pm  Selective Dorsal Rhizotomy: Making the Grade
Jennifer L. McKinney, MD, FACNS

The Business of Clinical Neurophysiology
Session Directors: Matthew Luedke, MD and Suzette LaRoche, MD, FACNS

4:30pm  Business Lingo for the Clinical Neurophysiologist
Calvin Gardner, BS, MBA

5:00pm  Quality Measures for Clinical Neurophysiology
Matthew Luedke, MD

5:30pm  The Value Proposition for Preventing Burnout
Cormac O'Donovan, MD, FACNS

The Postictal State: Clinical Neurophysiology and Implications
Session Directors: Elson So, MD, FACNS and Lisa Bateman, MD

4:35pm  Boundaries of the Postictal State: Implications for Seizure Management
Lisa Bateman, MD

5:00pm  Postictal Semiology and EEG: Role in Seizure Focus Identification
Amy Crepeau, MD

5:25pm  Morbidities in the Postictal State: Recognition and Management
Elson So, MD, FACNS
ANNUAL MEETING SCIENTIFIC PROGRAM

General Session
6:15-7:30pm

6:15pm Jasper Award Presentation and Lecture
Ronald Lesser, MD, FACNS

6:45pm Gloor Award Presentation and Lecture
Richard C. Burgess, MD, PhD, FACNS

Welcome Reception
7:30-9:00pm
See page 9 for details.

SATURDAY, FEBRUARY 8, 2020

Concurrent Sessions
9:00-10:30am

Clinical Neurophysiology Resident and Fellow Special Interest Group
Session Director: Andrea Hakimi, DO, FACNS, FAES
9:00am SIG Introduction
Andrea Hakimi, DO, FACNS, FAES
9:05am Case Presentations (see page 8 for information on how to submit your case)

Complex Systems, Epilepsy and EEG
Session Director: Giridhar Kalamangalam, MD, PhD, FACNS
9:00am Complexity Science, Epilepsy and Cognition
Rodney Scott, MD, PhD
9:30am From Complex to Simple and Back: State Changes in the EEG
Giridhar Kalamangalam, MD, DPhil, FACNS
10:00am The Promise of Complex Systems Science in Clinical Epilepsy
Matthew Mahoney, PhD

Comprehensive Introduction to Clinical Neuromodulation
Session Director: Jay Shils, PhD, DABM, FACNS
9:00am Theory of Neural Stimulation
Jay Shils, PhD, DABM, FACNS
9:30am Computational Models of Neuromodulation Systems
Jeff Arle, MD, PhD
10:00am Theory to Practice
Mark Stecker, MD, PhD, FACNS

High Density EEG SIG: The High Density EEG Research Consortium
Session Directors: Susan T. Herman, MD, FACNS, and Catherine J. Chu, MD, MMSc
In this session, several consortium members will highlight their recent research findings and improvements in clinical practice.

Leonardo Bonilha, MD, PhD
June Yoshii-Contreras, MD
Travis Stoub, PhD
Benjamin Brinkmann, PhD
Michael Stein, MD
Jurriana Peters, MD, PhD
Walter Heine, MD, PhD

Staffing Models for Continuous Visual Surveillance in EMU and ICU Monitoring Units
Session Director: Olga Selioutski, DO, FACNS, FAES
9:00am Visual EEG Surveillance and Timely Event Reporting. Is It a Necessity or a Luxury?
Christa Swisher, MD, FACNS
9:25am Training Technologists, RNs and APPs on Use of QEEG
Susan T. Herman, MD, FACNS
9:50am Visual EEG Surveillance and Timely Event Reporting. Administrative Challenges
Sarah E. Schmitt, MD, FACNS
10:15am Panel Discussion
Christa Swisher, MD, FACNS, Susan T. Herman, MD, FACNS,
Sarah E. Schmitt, MD, FACNS and Suzette LaRoche, MD, FACNS
10:30am Coffee Break in the Exhibit Hall

Concurrent Sessions
11:00-12:30pm

IOM in Vascular Procedures
ACNS/ Spanish Society of Clinical Neurophysiology Joint Symposium
Session Directors: Concepcion Maetzu, MD and Leslie Lee, MD, FACNS
11:00am IOM in Carotid Endarterectomies
Ma Moreno Galera, MD
11:30am IOM in Intracranial Vascular Procedures
Jaime R. Lopez, MD, FACNS
12:00pm IOM in Thoracoabdominal Aneurisms
Guillermo Martin Palomeque, MD
ANNUAL MEETING SCIENTIFIC PROGRAM

Myoclonus: The Road Less Traveled
Session Director: Jayant Acharya, MD, DM, FACNS, FAES, FAAN
11:00am  Neurophysiological Evaluation of Myoclonus
Mark Hallett, MD, DM, FACNS
11:30am  Neurophysiology of Juvenile and Progressive Myoclonic Epilepsy
Jayant Acharya, MD, DM, FACNS, FAES, FAAN
12:00pm  The Spectrum of Post-Anoxic Myoclonus
Peter Kaplan, MB, BS, FRCP, FACNS

Presurgical Language Localization with Stereo-EEG: Challenges and Opportunities
Session Director: Ravindra Arya, MD, DM
11:00am  Technical Aspects of Signal Acquisition and Planning of Stereo-EEG for Language Mapping
Eishi Asano, MD, PhD
11:20am  Analysis and Visualization of Functional Networks in Human Brain: Translating the Methodology from Subdural to Stereo Electrodes
Nathan Crone, MD
11:40am  Approaches to Pre-Surgical Language Mapping with Stereo-EEG and Their Diagnostic Performance
Ravindra Arya, MD, DM

Quantitative Electroencephalography: Applications in Pediatric Neurocritical Care
Session Director: Arnold Sansevere, MD
11:05am  Beyond Seizures: Integrating EEG with Clinical Care in the Pediatric Intensive Care Unit
Rejean Guerrero, DO
11:30am  Using Quantitative EEG as Part of Multimodality Neuromonitoring for Critically Ill Children
Brian Appavu, MD
11:55am  Training Your Bedside ICU Team for Preliminary Analysis of Quantitative EEG
Rishi Lalgudi-Ganesan, MBBS, MD, DM

Sleep-Related Epilepsy: Lessons from the Sleep Laboratory
Session Director: Steve A. Gibbs, MD, MSc, FRCPC
11:00am  Seizures in the Sleep Laboratory
Marcus C. Ng, MD, FRCPC, CSFN, FACNS
11:30am  Clinical and EEG Features of Sleep-Related Hypermotor Epilepsy
Steve A. Gibbs, MD, MSc, FRCPC
11:55am  The Use of Stereo-EEG in Drug-Resistant Sleep Related Epilepsy
Lino Nobili, MD, PhD

Lunch Break and Visit Exhibits
Learning Lab - Wearable Seizure Detection

Concurrent Sessions
2:00-3:30pm

Advanced Autonomic Testing
Session Director: Peter Novak, MD, PhD
2:00pm  Basic Autonomic Tests
Thomas C. Cheifitzky, MD
2:30pm  Testing of Central Autonomic Nervous System
Max J. Hizl, MD
3:00pm  Update of Orthostatic Intolerance Syndromes, Grading of Dysautonomia and Inflammatory Small Fiber Neuropathies
Peter Novak, MD, PhD

Approach to Surgery for Low Grade Glioma: Is an Epilepsy Evaluation Necessary?
Session Director: Jessica Templer, MD
2:00pm  The Brain Tumor Surgeon Perspective
Matthew Tate, MD, PhD
2:20pm  The Epileptologist Perspective
Jessica Templer, MD
2:40pm  Resection: ECOG is Necessary
Doug Nordli, MD, FACNS
3:00pm  Resection: ECOG is Not Necessary
William O. Tatum IV, DO, FACNS

Long-term Video EEG Monitoring: In the EMU, ICU and at Home
Session Director: Stephan U. Schuele, MD, MPH, FACNS
2:00pm  EMU Monitoring
Susan Agostini, REEG, CLTM
2:30pm  ICU Monitoring
Jay Gavvala, MD, MSCI
3:00pm  Ambulatory Monitoring
Stephan U. Schuele, MD, MPH, FACNS

Neuromodulation in Refractory Epilepsy
ACNS/Mexican Clinical Neurophysiology Society Joint Symposium
Session Directors: Daniel San Juan de Orta, MD, FACNS and Gregory Worrell, MD
2:00pm  Emerging Applications of Electrical Brain Stimulation in Brain and Mind
Gregory Worrell, MD
2:30pm  Update in Deep Brain Stimulation in Epilepsy
Ana Luisa Velasco, MD, PhD
3:00pm  Transcranial Direct Current Stimulation in Epilepsy
Daniel San Juan de Orta, MD, FACNS
ANNUAL MEETING SCIENTIFIC PROGRAM

Prediction Analytics for Forecasting Seizure Risk in Critically Ill Patients
Session Director: France W. Fung, MD

2:00pm EEG Risk Factors for Seizures in the Critically Ill
Aaron Struck, MD

2:30pm Sensitivity of Quantitative EEG Tools for Seizure Detection in Critically Ill Patients
Hiba A. Haider, MD, FACNS

3:00pm Enhancing Feasibility of EEG Monitoring in Critically Ill Pediatric Patients
France W. Fung, MD

3:30pm Coffee Break in the Exhibit Hall

Concurrent Sessions 3:45-5:15pm

Clinical Neurophysiology of Repetitive Head Impacts
Session Directors: Claus Reinsberger, MD, PhD, FACNS and Jonathan C. Edwards, MD, MBA, FACNS

3:45pm Alterations of Brain Structure by Repetitive Head Impacts - Truth or Myth?
Inga Koerte, MD

4:15pm The EEG of Repetitive Health Impacts
Claus Reinsberger, MD, PhD, FACNS

4:45pm Alteration of Sleep by Repetitive Head Impacts
Jeffrey Liou, DO

How Deep in the Brain Can You See with EEG, MEG and EEG-fMRI?
ACNS/Canadian Society for Clinical Neurophysiology Joint Symposium
Session Director: Eishi Asano, MD, PhD

3:45pm How Deep in the Brain Can You See with EEG?
Richard Wennberg, MD, MSc, PhD

4:15pm How Deep in the Brain Can You See with MEG?
Christophe Grova, PhD

4:45pm How Deep in the Brain Can You See with EEG-fMRI?
Jean Gotman, PhD, FACNS

My Patient's Dizzy, Now What?: Autonomic Neurophysiology through Clinical Cases
Session Director: Mitchell Miglis, MD

3:45pm Introduction to Autonomic Testing and Disorders of Autonomic Hyperactivity
Mitchell Miglis, MD

4:15pm Disorders of Autonomic Failure and the Utility of Sweat Testing in Clinical Practice
Dong-In Sinn, MD

4:45pm Autoimmune Autonomic Syndromes and Future Autonomic Measures
Srikanth Muppidi, MD

Neuromonitoring in Neonates with Critical Congenital Heart Disease
Session Director: Janette A. Mailo, MD, PhD

3:45pm Continuous EEG Monitoring in Neonates with Critical CHD and ECMO
Shavonne L. Massey, MD

4:15pm Amplitude Integrated EEG for Early Recognition of Brain Injury in Neonates with Critical Congenital Heart Disease
Nathalie Claessens, MD, PhD

4:45pm Neuromonitoring Using Continuous EEG and Quantitative EEG in Critically Ill Neonates
James J. Riviello, MD

Spanish Symposium: Epilepsia de Inicio Temprano /Early Onset Epilepsies. The Colombian Experience
Session Directors: Elia Pestana-Knight, MD, FACNS and Adriana Bermeo-Ovalle, MD, FACNS

3:45pm Hallazgos Electro-Clinicos en Ninos Con Epilepsia de Inicio Temprano Debido a Infecciones Perinatales
Maria Fernanda Lengua, MD

4:15pm Hallazgos Electro-Clinicos en Ninos con Epilepsia de Inicio Temprano Debido a Condiciones Metabolicos/Findings in Children with Early Onset Epilepsy Due to Pre and Perinatal Infections. The Columbian Experience.
Isabel Camacho, MD

4:45pm Cirugia Para Epilepsia de Inicio Temprano/Epilepsy Surgery for Early Onset Epilepsy. The Columbian Experience.
Juan Carlos Perez Poveda, MD

General Session 5:30-7:00pm

5:30pm ACNS Business Meeting

6:00pm Schwab Award Presentation and Lecture
Francis O. Walker, MD, FACNS

6:30pm Voodoo Neurology
Ann Tilton, MD
ANNUAL MEETING SCIENTIFIC PROGRAM

SUNDAY, FEBRUARY 9, 2020

Concurrent Sessions
8:00-9:30am

Battle-Lines are Drawn: Is it HD-EEG vs MEG, or EEG with MEG?
Session Director: Anto Bagic, MD, PhD, FACNS, FAES

8:00am  I Tried, In My Hands, Both Work
Robert Knowlton, MD, MPH

8:30am  I Combined Them and Got Best Results
Chris Plummer, MD

9:00am  I Know What I Like, but the Data Tells a Story...
Giovanni Pellegrino, MD

EEG in Epileptic Encephalopathies in Childhood
ACNS/Brazilian Clinical Neurophysiology Society Joint Symposium
Session Director: Luís Otávio Caboclo, MD, MSc, PhD

8:00am  Hypsarrythmia
Luís Otávio Caboclo, MD, MSc, PhD

8:30am  ESES - CSWS Spectrum
TBD

9:00am  Status Epilepticus Encephalopathies in Childhood
Ana Hamad, MD

SEEG Implantation Strategy in Epileptic Patients: Illustrative Cases
Session Director: Jun Park, MD, FAES

8:00am  Illustrative Case
Naíara Garcia-Losarcos, MD

8:30am  Illustrative Case
Elia Pestana-Knight, MD, FACNS

9:00am  Illustrative Case
Guadalupe Fernandez-Baca, MD

9:30am Coffee Break

8:00-11:30am

Diversity in Leadership Symposium
Director: Gloria M. Galloway, MD, MBA, FACNS

8:00am  Diversity in Neurology - Solutions Toward a More Integrated Workforce
Roy Hamilton, MD

8:30am  Shared Knowledge from Experiences as an Academic Neurologist/Leader
Barbara Jobst, MD, FACNS

9:00am  Burnout and Career Satisfaction Among Neurologists
Neil Bquis, MD

9:30am Coffee Break

10:00am Roundtable Discussions
Career and Contract Negotiations
Barbara Jobst, MD, FACNS and Sarah E. Schmitt, MD, FACNS

Creating Balance in Work and Life
Gloria M. Galloway, MD, MBA, FACNS, and Neil Bquis, MD

Establishing Networks
Susan T. Herman, MD, FACNS, and Suzette LaRoche, MD, FACNS

Planning Promotion
Roy Hamilton, MD

Concurrent Sessions
10:00-11:30am

Controversies in Neurostimulation and Epilepsy Surgery
Session Director: Dawn Eliashiv, MD, FACNS

10:00am  Pro: RNS Should be the New Standard of Care with Temporal Lobe Seizures Prior to Resective Epilepsy Surgery
David King Stevens, MD

10:15am  Con: Resective Epilepsy is Potentially Curative and Should be Our First Aim
Jerome Engel, MD, PhD

10:30am  Pro: Insular Resection is Feasible
Robert Gross, MD, PhD

10:45am  Con: Neurostimulation is the Treatment of Choice for Insular Epilepsy
Dawn Eliashiv, MD, FACNS

11:00am  Pro: MR Guided Ablation Should be the First Treatment for Mesial Temporal Lobe Epilepsy
Robert Gross, MD, PhD

11:15am  Con: Standard Anteromesial Resection is the Preferred Treatment for MTLE
Jerome Engel, MD, PhD
ANNUAL MEETING SCIENTIFIC PROGRAM

Stat EEGs: Use, Abuse, and the Role of New Rapid-EEG Devices
Session Director: Selim R. Benbadis, MD, FACNS

10:00am  Use and Abuse of Stat EEG: Indications, Current Use, and Challenges
Selim R. Benbadis, MD, FACNS

10:20am  The EEG in Non-Convulsive Status Epilepticus
Lawrence J. Hirsch, MD, FACNS

10:40am  Rapid EEG Devices: Comparative Review of Various Systems
Selim R. Benbadis, MD, FACNS

11:00am  Update in EEG CPT Codes and How They Apply to These New Rapid-EEG Options
Marc R. Nuwer, MD, PhD, FACNS

The Neurophysiology of Alzheimer's Disease
Session Directors: Rani Sarkis, MD, MSc and Alice Lam, MD, PhD

10:00am  The Electroclinical Spectrum of Hyperexcitability in Alzheimer's Disease
Alice Lam, MD, PhD

10:30am  The Neurophysiology of Sleep in Alzheimer's Disease
Rani Sarkis, MD, MSc

11:00am  Measuring Cortical Hyperexcitability in Alzheimer's Disease with Transcranial Magnetic Stimulation
Mouhsin Shafi, MD, PhD
REGISTRATION FORM

AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY
2020 ANNUAL MEETING & COURSES
February 5-9, 2020 | The Roosevelt New Orleans | New Orleans, Louisiana

(Please type or print clearly.)

ACNS ID# (optional) ___________________________________

First (Given) Name _____________________________________  Middle Initial  ________  Last (Family) Name ______________________________________________________

Designation (MD, PhD, DO, etc.) ___________________ Institution __________________________________________________________________________________________

Mailing Address __________________________________________________________________________________________________________________________

City ________________________________________________________________  State/Province _________________________________________________________

Zip/Postal Code _______________________________________  Country _______________________________________________________________________________

Phone _______________________________ Fax ____________________________  Email ______________________________________________________________

ANNUAL COURSES – Wednesday, February 5 – Friday, February 7, 2020

Please note that the scheduled times of some Courses listed below may conflict. Please refer to the Preliminary Program for complete Course scheduling information to make your selections.

<table>
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<tr>
<th>Hour</th>
<th>Course Details</th>
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<tr>
<td>Wednesday, February 5</td>
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<tr>
<td>9:00am-5:00pm</td>
<td>501: NIOM (Part I)</td>
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<td>☐ $250 ☐ $350 ☐ $125 ☐ $175</td>
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<td>9:00am-5:00pm</td>
<td>502: ICU EEG (Part I)</td>
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<td>9:00am-5:00pm</td>
<td>503: Epilepsy Surgery (Part I)</td>
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<td>Thursday, February 6</td>
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<td>7:00-8:30am</td>
<td>601: Evoked Potentials</td>
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<td>☐ $85 ☐ $115 ☐ $45 ☐ $70</td>
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<td>7:00-8:30am</td>
<td>602: Neonatal EEG Workshop</td>
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<td>7:00-8:30am</td>
<td>603: Epilepsy Surgery/Invasive EEG (Part II)*</td>
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<td>9:00am-12:00pm</td>
<td>611: ICU EEG (Part II)</td>
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<td>9:00am-3:00pm</td>
<td>612: NIOM (Part II)</td>
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<td>9:00am-5:00pm</td>
<td>613: EMG/Peripheral Nervous System</td>
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<td>12:30am-3:00pm</td>
<td>621: 6th Annual CNP Program Director’s Symposium</td>
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<td>1:30-3:00pm</td>
<td>631: Video-EEG Basic</td>
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<td>3:30-5:30pm</td>
<td>641: CPT Coding</td>
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<td>3:30-5:30pm</td>
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<td>Friday, February 7</td>
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<tr>
<td>7:00-10:00am</td>
<td>701: Basic EEG</td>
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<td>7:00-10:00am</td>
<td>702: Neuromodulation/Stimulation</td>
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<td>7:00-8:30am</td>
<td>703: Ultrasound Workshop</td>
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<td>8:30-10:00am</td>
<td>704: Video EEG (Part II)</td>
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<td>*Fee for 603: Epilepsy Surgery/Invasive EEG (Part II) is waived for any attendee who also registers for 503: Epilepsy Surgery (Part I).</td>
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Annual Courses Total (A): ____________________________

ANNUAL MEETING/SCIENTIFIC PROGRAM - Friday, February 7 through Sunday, February 9, 2020

<table>
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<th>Hour</th>
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<tr>
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<tr>
<td>10:00am</td>
<td>Annual Meeting Scientific Program</td>
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<td>Annual Meeting Scientific Program One-Day Registration</td>
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<td>☐ $295 ☐ $385</td>
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Annual Meeting Total (B): ____________________________
REGISTRATION FORM

Please check below the sessions you plan to attend which are included in the Annual Meeting registration fee. Pick one from each time segment. This information will be used to assign sessions to available rooms based on anticipated attendance. You are not obligated to attend the sessions you check.

**Friday, February 7**
1:00-2:30pm
- 711: Continuous EEG-Monitoring in Refractory Status Epilepticus
- 712: High Density EEG and Electrical Source Imaging in Clinical Practice
- 713: Mastering EMG Motor Unit Potential Analysis: Learning the Skill of Deliberate Practice
- 714: Update on Non-invasive Presurgical Functional Mapping Methods in Children
- 715: Wearables Against Death – SUDEP, Sleep, and Nocturnal Seizures

2:45-4:15pm
- 721: Continuous EEG of Hypoxic-Ischemic Brain Injury in The Era of Targeted Temperature Management
- 723: Inpatient Weakness: Clinical and EDX Approach
- 724: How Slow Can the Brain Go? Investigating the Dynamics of Slow Oscillations Following Acquired Brain Injuries

4:30-6:00pm
- 731: It’s Not All Child’s Play: Presurgical Functional Mapping in Children using Transcranial Magnetic Stimulation
- 732: Nonconvulsive Status Epilepticus: Diagnostic Approach in Adults and Children- ACNS/Austrian Society for Clinical Neurophysiology Joint Symposium
- 733: Selective Dorsal Rhizotomy: Making the Cut
- 734: The Business of Clinical Neurophysiology
- 735: The Postictal State: Clinical Neurophysiology and Implications

**Saturday, February 8**
9:00-10:30am
- 801: Clinical Neurophysiology Resident and Fellow Special Interest Group
- 802: Complex Systems, Epilepsy and EEG
- 803: Comprehensive Introduction to Clinical Neuroromodulation
- 804: High Density EEG SIG: The High Density EEG Research Consortium
- 805: Staffing Models for Continuous Visual Surveillance in EMU and ICU Monitoring Units

11:00am-12:30pm
- 811: Presurgical Language Localization with StereoeEG: Challenges and Opportunities
- 813: Myoclonus: The Road Less Traveled
- 814: Quantitative Electroencephalography: Applications in Pediatric Neurocritical Care
- 815: Sleep-Related Epilepsy: Lessons from the Sleep Laboratory

2:00-3:30pm
- 821: Advanced Autonomic Testing
- 822: Approach to Surgery for Low Grade Glioma: is an Epilepsy Evaluation Necessary?
- 823: Long-term Video EEG Monitoring: In the EMU, ICU and at Home
- 824: Neuromodulation in Refractory Epilepsy- ACNS/Mexican Clinical Neurophysiology Society Joint Symposium
- 825: Prediction Analytics for Forecasting Seizure Risk in Critically Ill Patients

3:45-5:15pm
- 831: Clinical Neurophysiology of Repetitive Head Impacts
- 833: My Patient’s Dizzy, Now What?: Autonomic Neurophysiology through Clinical Cases
- 834: Neuromonitoring in Neonates with Critical Congenital Heart Disease
- 835: Spanish Symposium: Epilepsia de inicio temprano/Early Onset Epilepsies. The Colombian Experience

**Sunday, February 9**
8:00-9:30am
- 901: Battle-lines are Drawn: Is it HD-EEG versus MEG, or EEG with MEG?
- 902: EEG in Epileptic Encephalopathies in Childhood-ACNS/Brazilian Clinical Neurophysiology Society Joint Symposium
- 903: SEEG Implantation Strategy in Epileptic Patients: Illustrative Case Discussions

9:00-11:30am
- 902: Battle-lines are Drawn: Is it HD-EEG versus MEG, or EEG with MEG?
- 903: EEG in Epileptic Encephalopathies in Childhood-ACNS/Brazilian Clinical Neurophysiology Society Joint Symposium
- 904: SEEG Implantation Strategy in Epileptic Patients: Illustrative Case Discussions

10:00-11:30am
- 912: Controversies in Neurostimulation and Epilepsy Surgery
- 913: Stat EEGs: Use, Abuse, and the Role of New Rapid-EEG Devices
- 914: The Neurophysiology of Alzheimer’s Disease

Social & Networking Events (no additional charge)

☐ I will attend the Welcome Reception on Friday, February 7 from 7:30-9:00pm.
☐ I am interested in taking part in the ACNS Mentorship Program. Please contact me for more information.
  ☐ I would like to be a mentor.  ☐ I would like to be a mentee.

I am interested in donating the ACNS Strategic Fund.

☐ General Strategic Fund $_______
☐ Educational Fund $_______
☐ Research Fund $_______
☐ International Fund $_______

Total Donation (C):_____________

24 2020 ACNS Annual Meeting & Courses  FEBRUARY 5-9, 2020  THE ROOSEVELT NEW ORLEANS  NEW ORLEANS, LOUISIANA
REGISTRATION FORM

Payment Information

Courses Total (A): __________ + Annual Meeting Total (B): __________ + Donation (C): __________ = GRAND TOTAL: __________

☐ Company Check – Make check payable to American Clinical Neurophysiology Society (in US Dollars, drawn on a US bank)

☐ Credit Card (check one): ☐ VISA ☐ MasterCard ☐ Discover

☐ Please invoice me.

Credit Card Number __________________________________________ Expiration Date __________

Card Holder Name __________________________________________

Authorized Signature __________________________________________ Date __________

*Registrations will not be processed without payment and signature.*

Signature of Agreement. Please retain a copy for your records. You are hereby registering to attend the 2020 ACNS Annual Meeting & Courses, February 5-9, 2020, at The Roosevelt New Orleans in New Orleans, Louisiana. I understand that the event registration rate listed above will be charged to the credit card I have listed. I understand further that all registration charges must be paid in full upon completion of this form. If registration is not paid for in full at time of event, I may be asked to provide payment upon arrival at the meeting.

Cancellation Policy. Refund requests must be submitted in writing to ACNS prior to January 20, 2020. A $20 processing fee will be charged for all refunds. We regret refunds will not be guaranteed for requests postmarked or received after January 20, 2020.

Waiver. Submission of this registration form and payment of associated fee serves as agreement by the delegate to release the American Clinical Neurophysiology Society, The Roosevelt New Orleans, their respective agents, servants, employees, representatives, successors, and assigns, from any and against all claims, demands, causes of action, damages, costs, and expenses, including attorneys' fees, for injury to person or damage to property arising out of attendance at the ACNS Annual Meeting & Courses. In addition, the delegate hereby grants permission to use his/her likeness in a photograph or other digital reproduction in any and all of its publications, including website entries, without payment or any other consideration, agreeing that these materials will become the property of ACNS which has the right to edit, alter, copy, exhibit, publish or distribute this photo for purposes of publicizing its programs or for any other lawful purpose. Additionally, the delegate waives any right to royalties or other compensation arising or related to the use of the photograph.

Policies. I have been made aware of ACNS' data privacy and conduct policies and understand that my signature means that I will adhere to the said terms and policies.

☐ I wish to be included on the delegate list provided to supporters.

☐ I wish to be included on any published delegate list including programs, mobile apps, etc.

SPECIAL NEEDS

☐ I have a religious or allergy-related dietary restriction. Please explain:

______________________________________________________________________________________________________________________________________

☐ I have a need for physical assistance. Please explain:

______________________________________________________________________________________________________________________________________

How did you hear about this meeting?

☐ I'm an ACNS Member ☐ ACNS Website

☐ ACNS Emails ☐ ACNS Postcard

☐ Colleague/Wood of Mouth - Please specify: ______________________________________

☐ Through another organization/meeting - Please specify: ____________________________

☐ Other - Please specify: ______________________________________________________

Please return this registration form with required payment to
American Clinical Neurophysiology Society, Attn: Meetings Department
555 E. Wells Street, Suite 1100 • Milwaukee, WI 53202 • Fax: (414) 276-3349 • E-mail: info@acns.org
FEBRUARY 5–9, 2020

2020 Annual Meeting & Courses

New Orleans, Louisiana

THE ROOSEVELT NEW ORLEANS