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ABOUT THE AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY (ACNS)

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.

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.

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ABOUT THE AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY (ACNS)

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Hiring Remote Neuromonitoring Physicians

Who We Are

SpecialtyCare is the largest provider of Neuro Services in the nation, providing care to over 130,000 patients every year. As SpecialtyCare, the health of the patient always comes first. As a partner in Neuro Services, our physicians subspecialize in neurodiagnostic tests including EEG and IONM. We are dedicated to providing the highest quality care during the most complex procedures in spine surgery, brain surgery, cardiac surgery, vascular surgery, and orthopedic surgery. Our expertise in Neuro Services is relied upon to help reduce risk and improve patient safety.

Our physicians, while working from home, provide supervisory services to SpecialtyCare surgical neurophysiologists (SN) performing intraoperative neuromonitoring. These services are provided real-time, via a secure remote internet connection. This allows for real-time data observation and communication with the on-site surgical neurophysiologist, operating surgeon, anesthesiologist, and other operating room personnel as needed from a dedicated work space.

We are the largest provider of neuromonitoring services in the US. We’ve built our success on the foundation of clinical excellence and innovation. Our teledmedicine capabilities allow our neuromonitoring physicians to enjoy the challenges and rewards of servicing a variety of cases. Utilizing telehealth technology, our physician team partners with highly trained surgical neurophysiologists. The team is always passionate about delivering excellent patient care.

We are a people company. We are highly talented, and we take excellence seriously. Exceptional care and positive patient outcomes require that our team members be intensely dedicated to collaborating and driving excellence at every turn. Our Neurology practice supports our doctors so that our physicians can support what is important to them: providing IONM care while maintaining a work/life balance.

We collaborate with you to achieve your career goals. We offer generous learning and development opportunities and continuing education assistance to ensure we are continued leaders in the field.

What We Offer

• Generous sign on bonus
• Ability to create flexible schedules
• Comprehensive health, dental, vision, life, and insurance plans
• Flexible spending account plan (FSA) and health savings account (HSA)
• 401(k) with matching funds
• Medical malpractice insurance
• Student Loan Repayment assistance available
• Generous paid time off (PTO) plan
• Professional membership and dues allowance
• Clinical and leadership training opportunities
• Internal Credentialing Team to assist with obtaining and maintaining licensure and privileges
• State licensing, hospital, and credentialing fees are covered by SpecialtyCare

We want to talk to you - your unique perspective is important to us!
You must have an M.D. or D.O. degree and be board certified in Neurology. You’ll need to be eligible for unrestricted medical licensure in the states where we provide services and where you reside. We love to see IONM, EEG, EMG/NCS, and evoked potential interpretation experience. Board certification in clinical neurophysiology or a clinical fellowship in neurophysiology is preferred.

Please send your CV to our Physician Recruiter, Sarah Dyczewski, at sarah.dyczewski@specialtycare.net. We can’t wait to meet you!
SpecialtyCare is an Equal Opportunity and Affirmative Action Employer. Employment at SpecialtyCare is At-Will.

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GENERAL MEETING INFORMATION

ABOUT THE ANNUAL MEETING & COURSES
The ACNS Annual Meeting & Courses are the flagship educational programs 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 healthcare professionals who utilize clinical neurophysiology. Sessions include symposia, workshops, and courses, 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.

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.

BUSINESS MEETING
The ACNS Annual Business Meeting will be held during the General Session on Friday, March 1 from 1:15 - 2:45pm in Oceans Ballroom 3-4, 1st floor.

COURSE HANDOUTS
Course handouts will be available to download on the mobile app. Some slides have not been provided by the presenter and are, therefore, not available.

HEALTH & SAFETY
ACNS strongly encourages full vaccination of all meeting attendees, including booster doses, when appropriate and applicable. Masking is optional during the Annual Meeting & Courses sessions and social functions.

Those who test positive for COVID or exhibit symptoms are encouraged to remain at home and follow CDC guidelines for testing, isolation, and masking.

INTERNET
Wireless internet access is available to Annual Meeting & Courses delegates throughout the meeting space. To access the internet, use the following network credentials:

Network: Renaissance_CONFERENCE
Password: ACNS2024

MOBILE APP
Make the most of your conference experience with the ACNS 2024 Annual Meeting & Course Mobile App!

1. Download the eventScribe App: Go to the App Store or Google Play and search for eventScribe.
2. Login to the App: If you already have an account, login with your username (email) and password (access key) otherwise create an account. Use Event Code ACNS2024 to enter the app.

POSTER PRESENTATIONS
Poster presentations will be in the Exhibit Hall on Thursday, February 29, 11:15am - 12:45pm and Friday, March 1, 11:15am - 12:45pm. Poster abstracts and presentation dates can be found in the mobile app or in the Poster Abstract Supplement, available upon request at the registration desk.

Poster abstracts will be published in an online only publication of the Journal of Clinical Neurophysiology.

REGISTRATION DESK
Location: Oceans Ballroom Foyer, 1st Floor
Hours:
Wednesday, February 28 12:00 - 6:00pm
Thursday, February 29 7:00am - 6:00pm
Friday, March 1 7:00am - 6:00pm
Saturday, March 2 7:00am - 6:00pm
Sunday, March 3 7:00 - 10:00am

SPEAKER READY ROOM
Location: Labrid, 2nd Floor
Speakers must upload or revise/edit their PowerPoint presentations in the Speaker Ready Room. Final slides must be uploaded at least two (2) hours prior to the presentation. Presentations may not be uploaded or revised/edited in individual session rooms. Speakers are not permitted to use personal laptops during presentations.

Hours:
Wednesday, February 28 12:00 - 6:00pm
Thursday, February 29 7:00am - 6:30pm
Friday, March 1 7:00am - 6:30pm
Saturday, March 2 7:00am - 6:30pm
Sunday, March 3 7:00 - 10:00am
POLICIES

Photography and Recording Policy
Photography, video or audio recording (including screen capture) of these courses, materials, speaker likenesses or ACNS graphics without written permission from ACNS is strictly prohibited. Please note that photographs and video taken by or on behalf of ACNS shall be property of ACNS.

Smoking Policy
Smoking is not permitted during any Annual Meeting & Courses activity or event.

Cell Phone Protocol
Please ensure that cell phone ringers, pagers and electronic devices are silenced or turned off during all sessions.

MEETING CONDUCT POLICY

Meeting Conduct, Safety, and Responsibility Policy
The American Clinical Neurophysiology Society (ACNS) is committed to providing a safe, productive, and welcoming environment for all meeting participants and ACNS/EDI staff. All participants, including, but not limited to, attendees, speakers, volunteers, exhibitors, ACNS/EDI staff, service providers, and others are expected to abide by this Meeting Safety & Responsibility Policy. This Policy applies to all ACNS meeting-related events, online and in-person, including those sponsored by organizations other than ACNS but held in conjunction with ACNS events, in public or private facilities.

Responsible Drinking
At most ACNS networking events both alcoholic and non-alcoholic beverages are served. ACNS expects participants at our events to drink responsibly. ACNS and Meeting host event staff have the right to deny service to participants for any reason, and may require a participant to leave the event.

Personal Safety and Security
ACNS works diligently to provide a safe and secure environment at its meetings and events by working with venue staff to make sure meeting participants are safe. We ask that all attendees report any questionable or concerning activity to ACNS/EDI staff so that they can take immediate action. No concern is too small, if you see something, say something.

• Be aware of your surroundings at all times.
• Use the buddy system when walking to and from the event venue, networking event locations during early or late hours.
• Don’t wear your meeting badge on the street. Take it off as soon as you leave the building/venue.
• Don’t carry a lot of cash or credit cards. Leave these items in your hotel room safe.
• Don’t leave personal property unattended anywhere, anytime.

If it is an emergency or if you need immediate assistance, you should ask any ACNS/EDI staff member or the on-site security personnel to help you.

Unacceptable Behavior
• Harassment, intimidation, or discrimination in any form.
• Physical or verbal abuse of any attendee, speaker, volunteer, exhibitor, ACNS/EDI staff member, service provider, or other meeting guest.
• Examples of unacceptable behavior include, but are not limited to, verbal comments related to gender, sexual orientation, disability, physical appearance, body size, race, religion, national origin, inappropriate use of nudity and/or sexual images in public spaces or in presentations, or threatening or stalking any attendee, speaker, volunteer, exhibitor, ACNS/EDI staff member, service provider, or other meeting guest.
• Disruption of presentations at sessions, in the exhibit hall, or at other events organized by ACNS at the meeting venue, hotels, or other ACNS-contracted facilities.

ACNS has zero-tolerance for any form of discrimination or harassment, including but not limited to sexual harassment by participants or our staff at our meetings. If you experience harassment or hear of any incidents of unacceptable behavior, ACNS asks that you inform the ACNS President or ACNS Executive Director Megan M. Hille, CMP, CAE (mhille@acns.org) so that we can take the appropriate action.

ACNS reserves the right to take any action deemed necessary and appropriate, including immediate removal from the meeting without warning or refund, in response to any incident of unacceptable behavior, and ACNS reserved the right to prohibit attendance at any future meeting.
MEETING SPACE FLOORPLANS

FIRST FLOOR

Oceans Ballroom
Session Rooms:
Oceans Ballroom 1-2,
Oceans Ballroom 9-10, and
Oceans Ballroom 11-12
General Session and Session Room:
Oceans Ballroom 3-4
Exhibit & Poster Hall:
Oceans Ballroom 5-8

SECOND FLOOR

Speaker Ready Room:
Labrid
Product Theater:
Tarpon
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 and courses 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.

LEARNING OBJECTIVES
At the end of the Annual Meeting & 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;
4. Discuss recent advances in electroencephalography, evoked potentials, ALS, magnetoencephalography, practice technologies, nerve conduction studies and other clinical neurophysiology techniques; and
5. Apply advances in clinical neurophysiology techniques to improve the diagnosis of neurologic disorders.

ACCREDITATION STATEMENT
ACNS is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
ACNS designates the Annual Meeting & Courses for a maximum 30.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ASET CEUS
ASET - The Neurodiagnostic Society has granted ASET Continuing Education Units [ASET CEUs] for this program. Such crediting, however, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in these presentations.

The courses have been approved for 32.5 ASET-CEUs total.

To claim ASET-CEUs, please be sure to sign in at the registration desk with your ASET ID number each day.

EDUCATION 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 (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.
CONTINUING MEDICAL EDUCATION (CME) INFORMATION

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.
CONTINUING MEDICAL EDUCATION (CME) INFORMATION

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<td>Nicholas S. Abend, MD, MSCE, FACS</td>
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<td>Ravindra Arya, MD, DM, FACSNS</td>
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<td>Kapil Arya, MD, MBBS, FAAP, FANA, FACSNS</td>
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<td>Patricia Bacus, MD</td>
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<td>Giulia Benedetti, MD</td>
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<td>Sandor Beniczky, MD, PhD, FACSNS</td>
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<td>William Bosl, PhD, FACSNS, FAMIA</td>
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<td>Susan Bowyer, PhD</td>
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<td>Deborah Briggs, MD, FACSNS</td>
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<td>Jean E. Cibula, MD, FACS</td>
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<td>Amy Crepeau, MD, FACS</td>
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<td>Victoria Fernandez, MD, PhD, FACS</td>
<td>Head of Clinical Neurop physiology Service, Intraoperative Unit, Hospital Regional Universitario de Málaga</td>
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<td>Robert Fleischmann, MD</td>
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<td>Stephen Foldes, PhD</td>
<td>Barrow Neurological Institute</td>
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<td>France Fung, MD, MSc, FACNS</td>
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<td>Carolina Gorodetsky, MD</td>
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<td>Akio Ikeda, MD, PhD, FACNS</td>
<td>Department of Epilepsy, Movement Disorders and Physiology, Kyoto University Graduate School of Medicine</td>
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<td>Giridhar Kalamangalam, MD, DPhil, FACNS</td>
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<td>Tommi Raj, MD, PhD</td>
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<td>Gustavo E. Ramos Burbano, MD, MSc</td>
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<th>Role</th>
<th>Financial Relationships*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courtney J. Wusthoff, MD, MS, FACNS</td>
<td>Stanford University</td>
<td>Planner, Speaker, Reviewer</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Jimmy Yang, MD</td>
<td>The Ohio State Wexner Medical Center</td>
<td>Speaker</td>
<td>No Relationships</td>
</tr>
<tr>
<td>JoJo Yang, MD</td>
<td>UNC Chapel Hill</td>
<td>Planner</td>
<td>No Relationships</td>
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<tr>
<td>Gordon B. Young, MD</td>
<td>Western University, London, Ontario, Canada</td>
<td>Speaker</td>
<td>No Relationships</td>
</tr>
<tr>
<td>Sahar F. Zafar, MD, MSc</td>
<td>Mass General Hospital</td>
<td>Speaker</td>
<td>Marinus Pharmaceuticals (d)</td>
</tr>
<tr>
<td>Alejandro Zavala, MD, FACNS</td>
<td>Medica Sur Hospital and Clinical Foundation</td>
<td>Planner, Speaker</td>
<td>No Relationships</td>
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<tr>
<td>Andrew Zillgitt, DO, FAES, FACNS</td>
<td>Beaumont Health System</td>
<td>Reviewer</td>
<td>Eisai (d); Jazz (d); Neupace (b); SK Life Science (d); UCB (d)</td>
</tr>
<tr>
<td>Deepti Zutshi, MD, FAAN, FAES</td>
<td>Wayne State University School of Medicine</td>
<td>Planner, Speaker</td>
<td>No Relationships</td>
</tr>
</tbody>
</table>

*All financial relationships have been reviewed for relevance to the topic of the educational content. All relevant financial relationships have been mitigated according to ACNS policy including peer-review of slides and limitation of planner or speaker influence on content where applicable.

a. Grant/Research Support; b. Consultant; c. Stock Shareholder (self-managed); d. Speaker’s Bureau; e. Advisory Board; g. Other Financial or Material Support

CERTIFICATES OF ATTENDANCE & CME CERTIFICATES

CME certificates will be available to preregistered delegates at the end of each day of the meeting at https://www.acns.org/meetings/annual-meeting-and-courses/2024-annual-meeting--courses/cme-information.

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 the ID # listed at the top of their confirmation receipt. The system will then ask delegates to indicate which sessions they attended, to complete evaluation forms for each of those 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. Please note that certificates will not be mailed or emailed after the meeting. The online certificate program is the only source for this document. Please contact ACNS at info@acns.org for any questions. ACNS asks that all CME certificates be claimed no later than June 30, 2024.

SUPPORT ACKNOWLEDGMENT

ACNS gratefully acknowledges the following companies for their support of the 2024 Annual Meeting & Courses:

- Abbvie, Inc.
  (in-kind support of the “Botulinum Toxin Treatment under EMG Guidance: Hands-on” workshop)

- Cadwell Industries
  (in-kind support of the “Cranial Nerve Conduction” and “Botulinum Toxin Treatment under EMG Guidance: Hands-on” workshops)

- SPES MEDICA
  (in-kind support of the “Intraorbital Needle Electrode Placement for Intraoperative Monitoring of Cranial Nerv 3, 4, and 6” workshop)

- US Neuro
  (unrestricted educational grant in support of the “Ambulatory EEG: Clinical Indications and Challenges” scientific symposium)
SOCIAL & NETWORKING EVENTS

WELCOME RECEPTION
Thursday, February 29, 2024, 6:15 – 7:15pm
Location: Exhibit & Poster Hall, Oceans Ballroom 5-8
ACNS invites all meeting delegates to attend the Welcome Reception, the official kick-off of the meeting, in the Exhibit Hall on Thursday, February 29. All meeting delegates will receive one complementary drink ticket.

SPEED NETWORKING
Friday, March 1, 2024, 11:30am - 12:00pm
Location: Oceans Ballroom Foyer
Annual Meeting & Course delegates aim to meet and greet as many colleagues as possible in this fast-paced networking event, held on Friday, March 1, 11:30am - 12:00pm. Delegates are paired for 2-minute connections before rotating to the next colleague. This networking opportunity is available to all delegates. Take advantage of an opportunity to chat with potential employers, collaborators, and peers.

SPECIAL INTEREST GROUP (SIG) SOCIALS
Saturday, March 2, 2024, 6:30 – 7:30pm
Locations: Stereo EEG - Oceans Ballroom 1-2
NIOM - Oceans Ballroom 9-10
ICU EEG - Oceans Ballroom 3-4
Business of Clinical Neurophysiology - Oceans Ballroom 11-12
Come learn about the ACNS SIGs in Stereo EEG, NIOM, ICU EEG, and Business of Clinical Neurophysiology. Hear what they have planned in the coming months as they offer key educational content throughout the year. Visit the SIG page on the ACNS website to learn more about this member benefit and to view the upcoming schedule.

INTERNATIONAL ATTENDEE BREAKFAST
Sunday, March 3, 2024, 7:00 - 8:00am
Location: Oceans Ballroom Foyer
All international meeting attendees are invited to join the ACNS leadership for breakfast and networking in the Oceans Ballroom Foyer.

PROFESSIONAL DEVELOPMENT MENTORSHIP PROGRAM
Participants in the ACNS Professional Development Mentor Program are welcome to make use of a designated meeting area in the common areas during breaks and lunches. More information about the Professional Development Mentorship Program can be found on the ACNS website.
Help us transform pediatric epilepsy care.

Join our mission at Nemours Children's Health to pioneer a comprehensive pediatric neurosciences program in Orlando or Jacksonville, Florida. As a Pediatric Epileptologist, you’ll make a significant impact, delivering unparalleled care to children with epilepsy. With Jacksonville and Orlando ranking among the top 10 fastest-growing population centers in the U.S., the need for your expertise has never been greater.

Why choose us?
- Exceptional care for every child
- Fulfilling work environment
- Vision for a healthier future

Your Impact
- Be a part of a growing pediatric neuroscience program
- Provide exceptional epilepsy care
- Contribute to a healthier future

We Offer
- Base compensation in the top quartile in the market
- Annual incentive compensation that values clinical activity, academic accomplishments, & quality improvement
- Comprehensive benefits: health, life, dental, vision
- Mortgage assistance, relocation packages and 403B with employer match
- Not-for-profit status; eligibility for Public Service Loan Forgiveness

To apply, confidentially forward your CV to Zac Wilberger, physician recruiter, at zac.wilberger@nemours.org or scan the QR code for your preferred location.

To learn more, visit us at Nemours.org/Careers.

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ACNS Special Interest Groups (SIGs) are organized around several areas of CNP practice

Visit https://www.acns.org/membership/acns-special-interest-groups-sigs for more information

Join us in Orlando!
Special Interest Group (SIGs) Socials
Saturday, March 2, 2024
6:30 – 7:30pm

SIG Virtual Meet-Ups:
ICU EEG: March 7, 2024
Stereo EEG: April 11, 2024
NIOM: May 9, 2024
Business: May 23, 2024

ICU EEG
Directors: Shavonne Massey, MD, MSCE, FACNS and Brandon Foreman, MD, MS, FACNS
Next Meeting: March 7, 2024
The ACNS ICU EEG SIG aims to encourage members to discuss existing knowledge and updates in this field via three virtual webinars and through the ACNS Connect platform. Relevant guideline updates, novel research, and case-based discussions will be highlighted throughout the year to develop a community of ACNS members interested in ongoing engagement around critical care EEG monitoring topics.

NIOM
Directors: Michael McGarvey, MD, FACS and Stanley Skinner, MD, FACNS
Next Meeting: May 9, 2024
This is an open discussion forum for topics related to NIOM. Feel free to ask questions and have a dialogue with other members of our community.

BUSINESS OF CLINICAL NEUROPHYSIOLOGY
Directors: Pegah Afra, MD, FACNS and Matthew W. Luedke, MD, FACNS
Next Meeting: May 23, 2024
Business of Clinical Neurophysiology: This SIG aims to open up the dialogue, to discuss and share the business management aspects of the practice of clinical neurophysiology. We seek to empower and equip each other with the necessary knowledge to be successful clinician leaders for the betterment of patient care in our field.

STEREO EEG
Directors: Prachi Parikh, MD and Ramya Raghupathi, MD
Next Meeting: April 11, 2024
The field of SEEG is relatively new to most centers in the USA. The rapid and widespread adoption of SEEG has left trainees and mentors searching for foundational material to illustrate real-life practice principles. Contrast SEEG with scalp EEG's gradual diffusion into clinical practice: the systematic and informed approach – protocols, guidelines, expert opinions, and structured fellowship programs – of today.
Freedom from Outside Ownership

All of our physicians are equitable owners who are motivated to experiment with, develop, and rapidly deploy solutions to today’s biggest healthcare challenges. They are empowered to make decisions that are best for their patients and communities.

That’s what makes us different, and in today’s healthcare, that’s a good thing.

With a collaborative approach, we deliver comprehensive in-patient neurological care to our communities.

Scan to learn more
AWARD RECIPIENTS & LECTURES

PIERRE GLOOR AWARD PRESENTATION & LECTURE
“A Review of Periodicity in Electroencephalography”
Saturday, March 2, 2024
Gordon Bryan Young, MD
The Gloor Award is presented annually for outstanding current contributions to clinical neurophysiology research. Dr. Young’s lecture will provide an update on EEG patterns that includes a classification matched to clinical entities, their significance, underlying pathophysiological mechanisms as well as practical suggestions for EEGers in producing reports.

ROBERT S. SCHWAB AWARD PRESENTATION & LECTURE
“Motor Unit Potential: Measurements & Correlates”
Friday, March 1, 2024
Sanjeev D. Nandedkar, PhD
The Schwab Award is presented annually to an individual who has made significant contributions in the area of clinical neurophysiology. Dr. Nandedkar’s lecture will explore how the motor unit potential (MUP) measurements (amplitude, duration, phases, etc.) provide complimentary information about the MU architecture changes in pathology. The anatomic correlates of measurements derived from computer simulations will be presented to interpret common and unusual patterns of MUP shape.

HERBERT H. JASPER AWARD PRESENTATION
“Rethinking Seizures: How Current Concepts Fail to Meet Clinical Needs”
Saturday, March 2, 2024
Michael R. Sperling, 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. Sperling’s lecture will explore how the current definition and conception of what constitutes a seizure is lacking in precision and accuracy. He will expand on how the definition fails to account for some neurophysiological events that are clearly seizures, includes electrophysiological phenomena that are considered interictal, and may vary depending upon behavioral testing protocols. This lecture will also propose a new definition of seizures that includes specific electrophysiological, that of a sustained rhythmic, evolving ictal discharge, and behavioral features.

INNOVATION LECTURE
“MEP: How to Deal with Crossover & Brain Mapping: New Frontiers”
Thursday, February 29, 1:15pm
Silvia Mazzali-Verst, MD, PhD
The Innovation Lecture highlights innovators in evolving fields. Dr. Silvia Mazzali-Verst, MD, PhD will deliver her lecture on Thursday, February 29, 2024.

MARC R. NUWER SERVICE AWARD PRESENTATION
Friday, March 1, 2024
Alan D. Legatt, MD, PhD, FACNS
The Marc R. Nuwer Service Award is presented to an individual in recognition of outstanding service to ACNS and its members, including non-scientific contributions. Dr. Legatt will be recognized during the Annual Business Meeting on Friday, March 1, 2024.

ACNS DISTINCTION IN TEACHING AWARD
Friday, March 1, 2024
Rebecca Matthews, MD
The Distinction in Teaching Award recognizes a mid-career ACNS member for outstanding accomplishments in teaching clinical neurophysiology to fellows, residents, medical students or EEG technologists. Dr. Matthews will be recognized during the Annual Business Meeting on Friday, March 1, 2024.

ACNS DISTINCTION IN SERVICE AWARD
Friday, March 1, 2024
Adriana Bermeo-Ovalle, MD, FACNS, FAES
The Distinction in Service Award recognizes a mid-career ACNS member who has demonstrated outstanding service to the field of clinical neurophysiology at the institutional or national level. Dr. Bermeo-Ovalle will be recognized during the Annual Business Meeting on Friday, March 1, 2024.

PRESIDENT’S ADDRESS
“Clinical Neurophysiology Training: Historical Perspective, Current State and Future Directions”
Thursday, February 29, 1:15pm
Saurabh R. Sinha, MD, FACNS
Dr. Sinha’s address will focus on how the field of Clinical Neurophysiology has grown and evolved over the last century, accentuating the importance of the changing processes and curriculum for education and training.
## SCHEDULE AT A GLANCE

### WEDNESDAY, FEBRUARY 28, 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
</table>
| 2:30 - 4:00pm    | Course: Advanced EEG
                  | Course Director: Dan Weber, DO, FAES, FACNS                           | Oceans Ballroom 1      |
| 2:30 - 5:45pm    | Course: NIOM Part I
                  | Course Directors: Christine Hung, MD and Dinesh Nair, MD, PhD         | Oceans Ballroom 2      |
| 4:00 - 4:15pm    | Break                                                                 | Oceans Ballroom Foyer  |
| 4:15 - 5:45pm    | Course: Ictal Semiology Workshop
                  | Course Director: Naiara Garcia-Losarcos, MD                          | Oceans Ballroom 1      |

### THURSDAY, FEBRUARY 29, 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00 - 8:30am</td>
<td>Breakfast</td>
<td>Oceans Ballroom Foyer</td>
</tr>
</tbody>
</table>
| 8:00 - 9:30am    | Course: Introduction to MEG
                  | Course Director: Jeffrey Tenney, MD, PhD, FACNS                       | Oceans Ballroom 11-12  |
| 8:00 - 11:15am   | Course: ICU EEG Monitoring Part I
                  | Course Directors: Nicolas Gaspard, MD, PhD and France Fung, MD, MSc, FACNS | Oceans Ballroom 1-2   |
|                  | Course: NIOM Part II
                  | Course Directors: Christine Hung, MD and Dinesh Nair, MD, PhD         | Oceans Ballroom 3-4    |
|                  | Course: Stereo EEG Part I
                  | Course Directors: Birgit Frauscher, MD, PhD and Ammar Kheder, MD, FACNS | Oceans Ballroom 9-10   |
| 9:30 - 9:45am    | Break                                                                 | Oceans Ballroom Foyer  |
| 9:45 - 11:15am   | Course: Advanced MEG Processing
                  | Course Director: Sasha Alick-Lindstrom, MD, FACNS, FAES, FAAN        | Oceans Ballroom 11-12  |
| 11:15am - 12:45pm| Lunch | Poster Presentations                                                  | Exhibit & Poster Hall, Oceans Ballroom 5-8 |
| 11:30am - 1:00pm | CNP Program Directors Symposium: Recruitment for CNP Fellowship Programs:
                  | Lessons Learned and Facing Future Challenges
                  | Session Directors: Ioannis Karakis, MD, PhD, MSc, FACNS and Lynn Liu, MD, MS (HPE), FACNS | Oceans Ballroom 11-12 |
| 1:15 - 2:45pm    | General Session: 2023 Cosimo-Ajmone Marsan Award Presentation | Innovation Lecture | Presidential Address  |
| 3:00 - 4:30pm    | Course: Quantitative EEG Workshop
                  | Session Director: Fabio Nascimento, MD                                 | Oceans Ballroom 1-2    |
|                  | Advances and Controversies in Cortical, Brainstem, and Spine Neuromonitoring
                  | Session Director: Stan Skinner, MD, FACNS                             | Oceans Ballroom 3-4    |
|                  | Ictal-Interictal Continuum (IIC) Patterns Across the Age Spectrum
                  | Session Directors: Nicolas Gaspard, MD, PhD and France Fung, MD, MSc, FACNS | Oceans Ballroom 9-10   |
|                  | Growing a Successful Clinical Neurophysiology Service: From OR to ICU to Clinic
                  | Session Directors: Pegah Afra, MD, FACNS and Suzette LaRoche, MD, FACNS | Oceans Ballroom 11-12  |
| 4:30 - 4:45pm    | Break                                                                 | Exhibit & Poster Hall, Oceans Ballroom 5-8 |
| 4:45 - 6:15pm    | Intraorbital Needle Electrode Placement for Intraoperative Monitoring of Cranial Nerves 3, 4, and 6
                  | Session Directors: Matthew Hoffman, DO, PhD, FACNS and Tatsuya Oishi, MD | Oceans Ballroom 1-2    |
|                  | Electrodiagnostic Evaluation of Neuromuscular Junction Disorders
                  | Session Director: Rabia Malik, MD                                     | Oceans Ballroom 3-4    |
|                  | Next Generation of Neurophysiology-Informed Clinical Trials in Hypoxic-Ischemic Brain Injury
                  | Session Directors: Jong Woo Lee, MD, PhD, FACNS and Edilberto Amorim, MD | Oceans Ballroom 9-10   |

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| Courses | Scientific Program | Session will be presented in Spanish | Non-CME Session |
## SCHEDULE AT A GLANCE

<table>
<thead>
<tr>
<th>Time/Session</th>
<th>Event Description</th>
<th>Location</th>
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<tbody>
<tr>
<td>6:15 - 7:15pm</td>
<td>Welcome Reception</td>
<td>Exhibit &amp; Poster Hall, Oceans Ballroom 5-8</td>
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<tr>
<td>8:00 - 9:30am</td>
<td>Course: Sleep Medicine Year in Review 2024: What Clinical Neurophysiologists Need To Know</td>
<td>Oceans Ballroom 11-12</td>
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<td>Course Director: Madeleine Grigg-Damberger, MD, FACNS</td>
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<tr>
<td>8:00 - 11:15am</td>
<td>Course: ICU EEG Monitoring Part II</td>
<td>Oceans Ballroom 1-2</td>
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<td>Course Directors: France Fung, MD, MSc, FACNS and Nicolas Gaspard, MD, PhD</td>
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<tr>
<td>9:45 - 11:15am</td>
<td>Course: Challenging Evoked Potentials Cases</td>
<td>Oceans Ballroom 11-12</td>
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<td>Course Director: Erik Kobylarz, MD, PhD</td>
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<tr>
<td>11:15am - 12:45pm</td>
<td>Lunch</td>
<td>Exhibit &amp; Poster Hall, Oceans Ballroom 5-8</td>
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<tr>
<td>12:00 - 1:00pm</td>
<td>Product Theater</td>
<td>Tarpon, 2nd Floor</td>
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<tr>
<td>1:15 - 2:45pm</td>
<td>General Session: Schwab Award Presentation &amp; Lecture</td>
<td>Oceans Ballroom 3-4</td>
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<tr>
<td>3:00 - 4:30pm</td>
<td>Delving Deep into the Deep Learning for Neurophysiology</td>
<td>Oceans Ballroom 1-2</td>
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<td>Session Director: Giridhar Kalamangalam, MD, Dphil, FACNS</td>
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<tr>
<td>4:30 - 4:45pm</td>
<td>Break</td>
<td>Exhibit &amp; Poster Hall, Oceans Ballroom 5-8</td>
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<tr>
<td>4:45 - 6:15pm</td>
<td>Cranial Nerve Conduction Studies Hands-On Workshop</td>
<td>Oceans Ballroom 1-2</td>
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<td>Session Director: Ruple Laughlin, MD, FACNS</td>
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<tr>
<td>6:15 - 7:15pm</td>
<td>Intraoperative Neurophysiologic Monitoring in the Surgical Treatment of Neurovascular Compression Syndromes</td>
<td>Oceans Ballroom 11-12</td>
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<td>Session Directors: Ignacio Regidor, MD, PhD and Aatif M. Husain, MD, FACNS</td>
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### Friday, March 1, 2024

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<tr>
<td>7:00 - 8:30am</td>
<td>Breakfast</td>
<td>Exhibit &amp; Poster Hall, Oceans Ballroom 5-8</td>
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<tr>
<td>8:00 - 11:15am</td>
<td>Course: Business of Clinical Neurophysiology</td>
<td>Oceans Ballroom 3-4</td>
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<td>Course Directors: Eva Ritzl, MD, MBA, FACNS, FAAN and Uma Menon, MD, MBA, FACNS</td>
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<tr>
<td>9:30 - 9:45am</td>
<td>Break</td>
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<tr>
<td>11:30am - 12:00pm</td>
<td>Speed Networking</td>
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<td>12:00 - 1:00pm</td>
<td>Product Theater</td>
<td>Tarpon, 2nd Floor</td>
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<td>3:00 - 4:30pm</td>
<td>Ambulatory EEG: Clinical Indications and Challenges</td>
<td>Oceans Ballroom 9-10</td>
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<td>Session Director: Magdalena Warzecha, R. EEG/EP, CLTM, NA-CLTM</td>
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<td>Break</td>
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<td>4:45 - 6:15pm</td>
<td>Ambulatory EEG</td>
<td>Oceans Ballroom 9-10</td>
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<td>Session Directors: Aline Herlopian, MD and William Tatum, IV, DO, FACNS</td>
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<tr>
<td>6:15 - 7:15pm</td>
<td>The Role of the Thalamus During Stereoelectroencephalography (sEEG)</td>
<td>Oceans Ballroom 11-12</td>
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<td>Session Directors: Shruti Agashe, MD, MS, BME and Nicholas Gregg, MD</td>
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- Courses
- Scientific Program
- This session will be presented in Spanish
- Non-CME Session
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<td>7:00 - 8:00am</td>
<td>A Diverse &amp; Inclusive ACNS: Past Efforts, the Path Forward&lt;br.Session Director: Suzette LaRoche, MD, FACNS</td>
<td>Oceans Ballroom 11-12</td>
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<tr>
<td>8:00 - 9:30am</td>
<td>Course: SEEG Illustrative Case Discussions&lt;br.Course Director: Jun T. Park, MD, FACNS</td>
<td>Oceans Ballroom 1-2</td>
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<td>Course: Neonatal Neuromonitoring&lt;br.Course Director: Adam L. Numis, MD</td>
<td>Oceans Ballroom 3-4</td>
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<td>Course: Controversies in IOM&lt;br.Course Director: Jamie R. López, MD, FACNS</td>
<td>Oceans Ballroom 9-10</td>
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<td>Neurophysiology of Delirium&lt;br.Session Director: Rishi Ganesan, MBBS, MD, DM, FACNS</td>
<td>Oceans Ballroom 11-12</td>
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<tr>
<td>9:30 - 9:45am</td>
<td>Break</td>
<td>Oceans Ballroom 5-8</td>
</tr>
<tr>
<td>9:45 - 11:15am</td>
<td>Course: Neuromodulation Workshop: Epilepsy and Beyond&lt;br.Course Director: Lawrence J. Hirsch, MD, FACNS</td>
<td>Oceans Ballroom 1-2</td>
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<td>Complex Electrodiagnostic Waveforms – An Interactive Case-Based Approach to Interpreting Uncommon Waveforms&lt;br.Session Director: Devon I. Rubin, MD, FACNS</td>
<td>Oceans Ballroom 3-4</td>
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<td>The EEG as a Window to the Sedated Brain&lt;br.Session Directors: Maria J. Bruzzone Giraldez, MD, MSCR, FACNS and Eyal Kimchi, MD, PhD</td>
<td>Oceans Ballroom 9-10</td>
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<tr>
<td>11:15am - 12:45pm</td>
<td>Lunch</td>
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<tr>
<td>11:30am - 1:00pm</td>
<td>Career Development Panel: Career Pathways in Clinical Neurophysiology&lt;br.Session Directors: Ioannis Karakis, MD, PhD, MSC, FACNS and Lynn Liu, MD, MS (HPE), FACNS</td>
<td>Oceans Ballroom 11-12</td>
</tr>
<tr>
<td>1:15 - 2:45pm</td>
<td>General Session: Young Investigator Travel Award Presentation</td>
<td>Oceans Ballroom 3-4</td>
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<tr>
<td>3:00 - 4:30pm</td>
<td>Botulinum Toxin Treatment Under EMG Guidance: Hands-On Workshop&lt;br.Session Director: Jaime R. López, MD, FACNS</td>
<td>Oceans Ballroom 1-2</td>
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<td>Advances in Ischemia Neuromonitoring: From the Angio Suite to the ICU and Operating Theater&lt;br.Session Director: Edilberto Amorim, MD and M. Brandon Westover, MD, PhD</td>
<td>Oceans Ballroom 3-4</td>
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<td>Starts, Ends, Surroundings, and Bends - Effects of Anatomy on Recording and Stimulation of Action Potentials in Axons&lt;br.Session Director: Alan D. Legatt, MD, PhD, FACNS</td>
<td>Oceans Ballroom 9-10</td>
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<tr>
<td></td>
<td>Amyotrophic Lateral Sclerosis: Neurophysiological Natural History, Estimation and Quantification of Motor Units and Clinical-Electrophysiological Differential Diagnosis (Joint ACNS/IFCN Latinamerican Chapter Symposium)&lt;br.Session Director: Devon I. Rubin, MD, FACNS and Mark Bromberg, MD, PhD</td>
<td>Oceans Ballroom 11-12</td>
</tr>
<tr>
<td>4:30 - 4:45pm</td>
<td>Break</td>
<td>Oceans Ballroom Foyer</td>
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### SCHEDULE AT A GLANCE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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</table>
| 4:45 - 6:15pm | **New Trends in Electrical Source Imaging for Presurgical Epilepsy Evaluation: From Current Standard of Care to New Approaches**  
Session Directors: Prachi T. Parikh, MD and Birgit Frauscher, MD PhD | Oceans Ballroom 1-2 |
|               | **Multimodal Monitoring in Comatose Patients: EEG and Vascular Correlations and Outcome Prediction**  
Session Director: Olga Selioutski, DO, FACNS, FAES, FACN | Oceans Ballroom 3-4 |
|               | **Brain Mapping During Surgery (Joint ACNS/ Spanish Society for Clinical Neurophysiology Symposium)**  
Session Directors: Jaime López, MD, FACNS and Lidia Cabañes-Martínez, MD, FACNS | Oceans Ballroom 9-10 |
|               | **E/MEG Source Localization is Useful in Temporal Lobe Epilepsy: Myth or Fact**  
Session Directors: Ismail S. Mohamed, MD, FAES, FACNS and Jeffrey Tenney, MD, PhD, FACNS | Oceans Ballroom 11-12 |
| 6:30 - 7:30pm | **ACNS Special Interest Group (SIG) Socials**  
Stereo EEG | Oceans Ballroom 1-2 |
|               | NIOM | Oceans Ballroom 9-10 |
|               | ICU EEG | Oceans Ballroom 3-4 |
|               | **Business of Clinical Neurophysiology** | Oceans Ballroom 11-12 |

### SUNDAY, MARCH 3, 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
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<tr>
<td>7:00 - 8:30am</td>
<td><strong>Breakfast</strong></td>
<td>Oceans Ballroom Foyer</td>
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</table>
| 8:00 - 9:30am | **Thalamic Stereo EEG**  
Session Directors: Ramya Raghupathi, MD and Prachi Parikh, MD | Oceans Ballroom 1-2 |
Session Directors: Jaime R. López, MD, FACNS and Alejandro Zavala, MD, FACSN | Oceans Ballroom 3-4 |
|               | **A Deeper Understanding of Some Aspects of Neurophysiology**  
Session Director: David Gloss, MD, FACNS | Oceans Ballroom 9-10 |
|               | **Peripheral Neuropathies - Beyond Standard Neurophysiological Evaluation (Joint ACNS/Sociedade Brasileira de Neurofisiologia Clínica Symposium)**  
Session Directors: Marcondes C. França, Jr., MD, PhD and Catherine Marx, PhD | Oceans Ballroom 11-12 |
| 9:30 - 9:45am | **Break**                                                                                                               | Oceans Ballroom Foyer |
| 9:45 - 11:15am | **Psychiatry and Neurosurgery - Value of Auditory Evoked Potentials in High Risk Children and Adults (Joint ACNS/Egyptian Society of Neurology Symposium)**  
Session Directors: Ayat Allah Hussein, MD and Aatif M. Husain, MD, FACNS | Oceans Ballroom 1-2 |
|               | **Exploring Continuous EEG Monitoring in the Critically Ill: Rapid Availability, Long-Term Monitoring Candidates, and Limited Montages.**  
Session Directors: Lidia Cabañes-Martínez, MD, FACNS and Adriana Bermeo-Ovvalle, MD, FACNS, FAES | Oceans Ballroom 3-4 |
|               | **Research Highlights**  
Session Director: Olga Taraschenko, MD, PhD, FACNS | Oceans Ballroom 9-10 |
|               | **Clinical Neurophysiology Resident and Fellow Symposium**  
Session Directors: Pegah Afra, MD, FACNS and Jeffrey Britton, MD, FACNS | Oceans Ballroom 11-12 |

= Courses  = Scientific Program  = This session will be presented in Spanish  = Non-CME Session
### ANNUAL MEETING & COURSES

#### WEDNESDAY, FEBRUARY 28, 2024

#### 2:30 – 4:00pm

**Course: Advanced EEG**  
*Location: Oceans Ballroom 1*

Course Director: Dan Weber, DO, FAES, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Interpret the value of an electrical source derived from EEG;
2. Describe the role of functional connectivity analysis in epilepsy; and
3. Specify the role of AI in EEG interpretation.

- **2:30pm**  
  *Introduction to Advanced EEG, Beyond Visual Review*  
  Dan Weber, DO, FAES, FACNS

- **2:35pm**  
  *Electrical Source Imaging*  
  Susan T. Herman, MD, FACNS

- **3:00pm**  
  *EEG Functional Connectivity Analysis*  
  Patrick Davis, MD, PhD

- **3:25pm**  
  *The Future of AI in EEG Interpretation*  
  Sandor Beniczky, MD, PhD, FACNS

#### 2:30 – 5:45pm

**Course: Neuropsychological Intraoperative Monitoring - Part I**  
*Location: Oceans Ballroom 2*

Course Co-Directors: Christine Hung, MD and Dinesh G. Nair, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain the concepts and anatomy underpinning different NIOM modalities; and
2. Use NIOM modalities in basic and advanced applications.

- **2:30pm**  
  *Somatosensory Evoked Potentials & Central Sulcus Mapping*  
  Aatif M. Husain, MD, FACNS

- **2:55pm**  
  *Motor Evoked Potentials & Cortical & Subcortical Motor Mapping*  
  Matthew Hoffman, DO, PhD, FACNS

- **3:20pm**  
  *Electrocorticography & Functional Awake Mapping*  
  Reiner Henson See, MD

- **3:45pm**  
  *Discussion*

- **4:00pm**  
  *Break*

- **4:15pm**  
  *Monitoring of Motor & Somatosensory Cranial Nerves*  
  Jaime R. López, MD, FACNS

- **4:40pm**  
  *Brainstem Auditory Evoked Potential Monitoring*  
  Alan D. Legatt, MD, PhD, FACNS

- **5:05pm**  
  *Endonasal Surgery Monitoring*  
  Katherine M. Anetakis, MD

- **5:30pm**  
  *Discussion*

#### 4:00 - 4:15pm

**Coffee Break**  
*Oceans Ballroom Foyer*

#### 4:15 – 5:45pm

**Course: Ictal Semiology Workshop**  
*Location: Oceans Ballroom 1*

Course Director: Naiara Garcia-Losarcos, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Recognize seizure components in the ictal sequence and localize their symptomatogenic zones;
2. Understand the localizing and lateralizing significance of isolated clinical signs; and
3. Discuss how ictal semiology can be used to localize the epileptogenic zone.

- **4:15pm**  
  *Introductory Case: The Value of Seizure Semiology*  
  Naiara Garcia-Losarcos, MD

- **4:25pm**  
  *Case 1: Back to Basics*  
  Prakash Kotagal, MD, FACNS, FAAN

- **4:50pm**  
  *Case 2: A Complex Motor Seizure*  
  Stephan Schuele, MD, MPH, FACNS, FAAN

- **5:15pm**  
  *Case 3: What Made You Turn Your Head and Laugh?*  
  Charles Szabo, MD

- **5:40pm**  
  *Discussion*
THURSDAY, FEBRUARY 29, 2024

7:00 – 8:30am
Breakfast
Oceans Ballroom Foyer

8:00 – 9:30am
Course: Introduction to MEG
Location: Oceans Ballroom 11-12
Course Director: Jeffrey Tenney, MD, PhD, FACNS
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand differences between MEG and EEG recordings;
2. Identify the common, evidence-based indications for MEG in epilepsy surgery; and
3. Describe the fundamentals of source localization and interpret a MEG report.

8:00am How is it Different from EEG? – MEG Physics and Physiology
Susan Bowyer, PhD

8:25am When to Order MEG? - 10 Common, Evidence Supported Indications for MEG in Epilepsy Surgery
Anto I. Bagic, MD, PhD, FAES, FACNS

8:50am What Should I Expect? – MEG Source Localization and Reporting
Andrea Lowden, MD, FACNS

9:15am Discussion

8:00 – 11:15am CONCURRENT SESSIONS

Course: ICU EEG Monitoring Part I
Location: Oceans Ballroom 1-2
Course Co-Directors: France Fung, MD, MSc, FACNS and Nicolas Gaspard, MD, FACNS, PhD
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Review guidelines and consensus statements on CEEG monitoring in adult and pediatric ICUs;
2. Outline ACNS terminology and classification of rhythmic and periodic patterns and status epilepticus;
3. Identify ictal-interictal continuum patterns and status epilepticus and understand their potential impacts on outcomes; and
4. Review the use of EEG monitoring (including aEEG) and seizure detection in the pediatric and neonatal ICUs.

8:00am Introduction
France Fung, MD, MSc, FACNS and Nicolas Gaspard, MD, PhD, FACNS

8:05am Consensus & Guidelines on Continuous EEG in Critically Ill
Susan T. Herman, MD, FACNS

8:30am ACNS Terminology Part I
Lawrence J. Hirsch, MD, FACNS

8:55am ICU EEG Monitoring for Status Epilepticus
Nicolas Gaspard, MD, PhD

9:20 am Break

9:35am Ictal-Interictal Continuum (IIC)
Aaron Struck, MD, FACNS

10:00am Advanced Pediatric ICU EEG
Nicholas S. Abend, MD, MSCE, FACNS

10:30am Advanced Neonatal EEG
Courtney J. Wusthoff, MD, MS, FACNS

11:00am Discussion

Course: Neuropsychological Intraoperative Monitoring - Part II
Location: Oceans Ballroom 3-4
Course Co-Directors: Christine Hung, MD and Dinesh G. Nair, MD, PhD
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain the concepts and anatomy underpinning different NIOM modalities; and
2. Use NIOM modalities in basic and advanced applications.

8:00am Cervical Spine Monitoring
Felix Chang, MD

8:25am Thoracic & Lumber Spine Monitoring
Ronald Emerson, MD, FACNS

8:50am Sacral Spine Monitoring
Stanley A. Skinner, MD, FACNS

9:15am Discussion

9:45am Intraoperative Electromyography
Eric J. Mariuma, MD

10:10am Peripheral Nervous System Monitoring
Jessica Nance, MD

10:35am Deep Brain Stimulator Monitoring
Jay L. Shils, PhD, DABNM, FRCSC, FACNS

11:00am Discussion
THURSDAY, FEBRUARY 29, 2024

**Course: Stereo EEG Part I**
*Location: Oceans Ballroom 9-10*

**Course Co-Directors:** Birgit Frauscher, MD, PhD and Ammar Kheder, MD, FACNS

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Understand the fundamental principles of SEEG and how to formulate anatomo-electro-clinical hypothesis;
2. Describe the clinical indications and patient selection criteria for SEEG, including the unique aspects of pediatric patients; and
3. Discuss planning, and interpretation of SEEG to aid in the diagnosis and management of patients with drug-resistant epilepsy.

8:00am Challenges and Controversies in Indication and Patient Selection for SEEG
*Shasha Wu, MD, PhD*

8:30am Advanced Surgical Anatomy, Preoperative Planning and Imaging
*David Steven, MD, MPH, FRCSC, FACS*

9:00am SEEG Interpretation: Part 1 – Intermediate
*Steven Parrish Winesett, MD, MBA*

9:30am Break

9:45am SEEG interpretation: Part 2 – Advanced
*Birgit Frauscher, MD, PhD*

10:15am Anatomo-Electro-Clinical Correlation: Temporal vs. Extratemporal
*Laurence Martineau, MD, FRCPc, CSCN (EEG)*

10:45am Discussion

9:45am – 12:45pm

**Lunch & Poster Presentations**
*Exhibit & Poster Hall*
*Oceans Ballroom 5-8*

**11:00am – 1:00pm**

**CNP Program Directors Symposium: Recruitment for CNP Fellowship Programs: Lessons Learned and Facing Future Challenges**
*Location: Oceans Ballroom 11-12*

**Session Directors:** Ioannis Karakis, MD, PhD, MSc, FACNS and Lynn Liu, MD, MS (HPE), FACNS

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Review the experience of CNP fellowship program directors with recently launched, unifying recruitment processes;
2. Review the experience of CNP fellowship program directors with the traditional recruitment pathways; and
3. Discuss the lessons learned from the changing fellowship recruitment landscape, the challenges lying ahead and how to tackle them.

11:30am Introduction

11:35am Recruitment for the CNP/EEG Fellowship Programs through the AES Match
*Sarah E. Schmitt, MD, FACNS*

11:55am Recruitment for the CNP/EMG Fellowship Programs through the AANEM Portal
*Ruple S. Laughlin, MD, FACNS*

12:15pm Recruitment for the EEG/EMG and Other CNP Fellowship Programs Without a Standardized Process
*Deepthi Zutshi, MD, FAAN, FAES*

12:35pm A Unifying Recruitment Process for CNP Fellowship Programs: Lessons Learned and Challenges Lying Ahead
*Saurabh R. Sinha, MD, PhD, FACNS*

12:55pm Discussion

9:45am From Acquisition to Final Product: Demystifying the Elusive Dipole and Understanding Basic MEG Processing
*Sasha Alick-Lindstrom, MD, FACNS, FAES, FAAN*

10:10am MEG Evoked Fields: Available Modalities, Language Acquisition, and Comparison of Language Processing Methods
*Susan Bowyer, PhD*

10:35am Emerging MEG and Imaging Analysis Translational Research Methods
*Elizabeth M. Davenport, PhD*

11:00am Discussion

9:45am – 12:45pm

**Coffee Break**
*Oceans Ballroom Foyer*

9:45 – 11:15am

**Course: Advanced MEG Processing**
*Location: Oceans Ballroom 11-12*

**Course Director:** Sasha Alick-Lindstrom, MD, FACNS, FAES, FAAN

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Identify which intractable epilepsy cases would benefit from magnetic source imaging (MEG/MSI) and describe approved and advanced emerging methods for processing and multimodal imaging integration;
2. Understand evoked fields which may be acquired by MEG and useful for surgical planning purposes. This session will focus on language processing methodologies, their clinical utility and research advancements; and
3. Describe emerging methods and applications for advanced MEG processing. Emphasis will be on Alzheimer’s dementia and various translational research applications.
## General Session

**Location:** Oceans Ballroom 3-4

### 1:15 – 2:20pm

**1:15pm** Welcome  
*Frank W. Drislane, MD, FACNS and Lynn Liu, MD, MS (HPE), FACNS*

**1:20pm** Presentation of the 2023 Cosimo-Ajmone Marsan Award  
*Stephan U. Schuele, MD, MPH, FACNS*

### 1:25pm

**Introduction of the Innovation Lecture**  
*Frank W. Drislane, MD, FACNS*

### 1:30pm

**Innovation Lecture:**  
* MEP: How to Deal with Crossover & Brain Mapping: New Frontiers*  
*Silvia Mazzali-Verst, MD, PhD*

### 2:05pm

**Introduction of ACNS President**  
*Frank W. Drislane, MD, FACNS*

### 2:10pm

**Presidential Address:**  
*Clinical Neurophysiology Training: Historical Perspective, Current State and Future Directions*  
*Saurabh R. Sinha, MD, PhD, FACNS*

## Concurrent Sessions

### 3:00 – 4:30pm

**Course: Quantitative EEG Workshop**  
**Location:** Oceans Ballroom 1-2  
**Course Director:** Fabio A. Nascimento, MD

#### Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the basics of quantitative EEG;
2. Apply quantitative EEG in the context of seizure detection and identification of patterns in the ictal-interictal continuum; and
3. Apply quantitative EEG in the context of detection of brain ischemia, high intra-cranial pressure, and cortical spreading depolarization.

#### Schedule:
- **3:00pm** Introduction  
  *Fabio A. Nascimento, MD*
- **3:05pm** qEEG Basics + Detection of Seizures / IIC  
  *M. Brandon Westover, MD, PhD*
- **3:30pm** qEEG for Detection of Ischemia, High ICP, Depolarization  
  *Lawrence J. Hirsch, MD, FACNS*
- **3:55pm** qEEG Case-Based Game
- **4:20pm** Discussion

### Advances and Controversies in Cortical, Brainstem, and Spine Neuromonitoring

**Location:** Oceans Ballroom 3-4  
**Session Director:** Stan Skinner, MD, FACNS

#### Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe and critique means to monitor the corticospinal tract during supratentorial lesion resection;
2. Describe and select brainstem reflexes during various posterior fossa surgeries; and
3. Discuss and defend current neuromonitoring evidence with surgeons before and during extradural spine procedures.

- **3:00pm** When Surgeons Ask: What is the Evidence to Support Neuromonitoring in Extradural Spine Surgery?  
  *Stan Skinner, MD, FACNS*
- **3:25pm** Supratentorial Lesion Motor Monitoring: How do we Choose Transcranial v Direct Cortical Stimulation? Does NIOM per se Improve Outcomes?  
  *Andrea Szelenyi, MD, PhD*
- **3:50pm** Brainstem Reflexes: Which do we use in various Posterior Fossa Scenarios?  
  *Maria J. Tellez, MD*
- **4:15pm** Discussion

### Ictal-Interictal Continuum (IIC) Patterns Across the Age Spectrum

**Location:** Oceans Ballroom 9-10  
**Session Directors:** Nicolas Gaspard, MD, PhD and France Fung, MD, MSc, FACNS

#### Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define periodic and rhythmic and ictal-interictal continuum patterns across the age spectrum (adult, pediatric, neonatal);
2. Outline the associated risks of these patterns with seizures and outcomes (adult, pediatric, neonatal); and

- **3:00pm** Introduction
- **3:15pm** IIC EEG Patterns in Adults and Elderly  
  *Aaron Struck, MD, FACNS*
- **3:40pm** Periodic and Rhythmic Patterns and IIC in Critically Ill Children  
  *France Fung, MD, MSc, FACNS*
- **4:05pm** Brief Rhythmic Discharges (BDRs) in Critically Ill Neonates  
  *Janette Mailo, MD, PhD, FRCP*
Growing a Successful Clinical Neurophysiology Service: From OR to ICU to Clinic

Location: Oceans Ballroom 11-12

Session Directors: Pegah Afra, MD, FACNS and Suzette LaRoche, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand underlying process starting an IONM program and making decisions whether to utilize contract services, provide in-house monitoring or a hybrid of both;
2. Recognize key factors relevant to developing continuous EEG monitoring services and opportunities for expanding access to EEG services for hospitals of all sizes; and
3. Appreciate the challenges and considerations in incorporating NCS/EMG, including advanced techniques such as single fiber EMG, in a hospital EMG practice.

3:00pm Starting or Transitioning an IONM In-House Service
Pegah Afra, MD, FACNS

3:30pm Building and Expanding EEG Monitoring Services: Models for Success
Suzette LaRoche, MD, FACNS

4:00pm Incorporating NCS/EMG, Including Advanced Techniques, in the Hospital and Outpatient Setting
Devon Rubin, MD, FACNS

4:30 – 4:45pm Coffee Break
Exhibit & Poster Hall
Oceans Ballroom 5-8

Intraorbital Needle Electrode Placement for Intraoperative Monitoring of Cranial Nerves 3, 4, and 6

Location: Oceans Ballroom 1-2

Session Directors: Matthew Hoffman, DO, PhD, FACNS and Tatsuya Oishi, MD

This workshop is supported by an in-kind donation of equipment by Spes Medica.

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe the orbital anatomy relevant to placement of needle electrodes in extraocular muscles;
2. Evaluate techniques for recording EMG activity from cranial nerves 3, 4, and 6; and
3. Employ sensitive, selective, and safe techniques for recording and interpreting intraoperative free-running and triggered EMG responses from cranial nerves 3, 4, and 6.

4:45pm Orbital Anatomy and Techniques for Recording EMG from Extraocular Muscles
Matthew Hoffman, DO, PhD, FACNS

5:20pm Deep Intraorbital Electrode EMG Recordings from Extraocular Muscles
Tatsuya Oishi, MD

Electrodiagnostic Evaluation of Neuromuscular Junction Disorders

Location: Oceans Ballroom 3-4

Session Director: Rabia Malik, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe the technique, physiology and common technical pitfalls of repetitive nerve stimulation studies;
2. Explain the technique, physiology and common technical pitfalls of single fiber EMG studies; and
3. List and recognize common and uncommon neuromuscular junction diseases.

4:45pm Pearls and Pitfalls in Repetitive Nerve Stimulation (RNS) Studies
Rabia Malik, MD

5:15pm Introduction to Single Fiber EMG (SFEMG)
Ryan Jacobson, MD

5:45pm Common and Uncommon Disorders of the Neuromuscular Junction
Olivia Gutgsell, MD
Next Generation of Neurophysiology-Informed Clinical Trials in Hypoxic-Ischemic Brain Injury

**Location:** Oceans Ballroom 9-10

Session Directors: Jong Woo Lee, MD, PhD, FACNS and Edilberto Amorim, MD

**Learning Objectives:**

At the conclusion of this activity, the learner will be able to:

1. Discuss the unresolved questions raised by the TELSTAR trial regarding indication for treatment of seizures and patterns in the ictal interictal continuum in HIBI, rationale for TELSTAR2 and GRECO trials;
2. Describe the mechanism of postanoxic status epilepticus treatment targeted by the VIGAB-STAT study; and
3. Describe the mechanism of postanoxic status epilepticus treatment targeted by the VIGAB-STAT study.

4:45pm Introduction

5:00pm **RESTORE: buRst-supprESsion TO stop REfractory Status Epilepticus Post-Cardiac Arrest**
   Edilberto Amorim, MD

5:25pm **VIGAB-STAT: A Mechanism-Based Clinical Trial of Postanoxic Status Epilepticus**
   Carolina Maciel, MD, MSCR

5:50pm **TELSTAR2 and GRECO: Is There Sign of Intelligent Life after TELSTAR?**
   Michel van Putten, MD, PhD

Intraoperative Neurophysiologic Monitoring in the Surgical Treatment of Neurovascular Compression Syndromes

**Location:** Oceans Ballroom 11-12

Session Directors: Ignacio Regidor, MD, PhD and Aatif M. Husain, MD, FACNS

**Learning Objectives:**

At the conclusion of this activity, the learner will be able to:

1. Know the basics of pre-surgical electrodiagnostic studies of cranial nerves in patients with neurovascular compression syndromes;
2. Perform technical troubleshooting and optimizing the available intraoperative neurophysiologic techniques for mapping and monitoring useful in these surgeries; and
3. Identify the neurophysiological changes in the operating room and apply alarm criteria.

4:45pm Introduction

4:50pm **Preoperative Electrodiagnostic Studies of the Facial Nerve and Other Cranial Nerves**
   Lidia Cabañes-Martínez, MD, FACNS

5:15pm **Intraoperative Neurophysiology during Microvascular Decompression Surgery for Hemifacial Spasm**
   Guillermo Martín Palomeque, MD, FACNS

5:40pm **Intraoperative Neurophysiology During Microvascular Decompression Surgery for Trigeminal and Other Cranial Nerve Neuralgias**
   Jaime R. López, MD, FACNS

6:05pm Discussion

**6:15 – 7:15pm**

**Welcome Reception**

Exhibit & Poster Hall
Oceans Ballroom 5-8
FRIDAY, MARCH 1, 2024

7:00 – 8:30am  
**Breakfast**  
Exhibit & Poster Hall  
Oceans Ballroom 5-8

8:00 – 9:30am  
**Course: Sleep Medicine Year in Review 2024: What Clinical Neurophysiologists Need To Know**  
*Location: Oceans Ballroom 11-12*  
Course Co-Director: Madeleine M. Grigg-Damberger, MD  
**Learning Objectives:**  
At the conclusion of this activity, the learner will be able to:  
1. Learn how sleep is being evaluated using stereo-EEG and used to assess seizure localization, cognitive function, and parasomnias;  
2. Appreciate the latest developments in the impact of sleep and sleep disordered breathing in epilepsy, stroke, dementia, neuromuscular disorders, and neurodegeneration;  
3. Understand how sleep contributes to brain health; and  
4. Recognize the newest clinical and neurophysiological features differentiating CNS disorders of hypersomnolence and the evolving role of machine learning.

8:00am  
Latest Developments in Sleep and Epilepsy  
Birgit Frauscher, MD, PhD

8:25am  
Advances in Diagnosing and Understanding Central Hypersomnia Disorders  
Nancy Foldvary-Schaefer, DO, MS

8:50am  
Best Studies on Impact of Sleep in Neurological Disorders  
Madeleine M. Grigg-Damberger, MD, FACNS

9:15am  
Discussion

8:00 – 11:15am  
**CONCURRENT SESSIONS**

**Course: ICU EEG Monitoring Part II**  
*Location: Oceans Ballroom 1-2*  
Course Co-Directors: France Fung, MD, MSc, FACNS and Nicolas Gaspard, MD, PhD

**Learning Objectives:**  
At the conclusion of this activity, the learner will be able to:  
1. Describe the use of quantitative EEG for seizure detection in the ICU;  
2. Outline ACNS terminology and classification of background patterns in the ICU;  
3. Understand how EEG monitoring is used for classification of encephalopathy;  
4. Review use of CEEG and multimodal monitoring for other conditions (including anoxic brain injury, traumatic brain injury, brain death); and  
5. Explore advanced examples of ICU EEG monitoring through illustrative and interactive cases.

8:00am  
Introduction

8:05am  
Advanced Concepts in QEEG for Seizure Detection in the ICU  
Cecil D. Hahn, MD, MPH, FACNS

8:35am  
ACNS Terminology Part II  
Hiba A. Haider, MD, FACNS, FAES

9:00am  
ICU EEG Monitoring for Acute Encephalopathy  
Sarah E. Schmitt, MD, FACNS

9:25am  
Break

9:40am  
ICU EEG Monitoring in Acute Brain Injury  
Sahar F. Zafar, MD, MSc

10:10am  
Advanced Multimodal Monitoring  
Brandon Foreman, MD, MSc, FACNS, FNCS

10:35am  
Advanced Cases in ICU EEG Monitoring  
Suzette LaRoche, MD, FACNS

11:00am  
Discussion

**Course: Business of Clinical Neurophysiology**  
*Location: Oceans Ballroom 3-4*  
Course Directors: Eva Ritzl, MD, MBA, FACNS, FAAN and Uma Menon, MD, MBA, FACNS

8:00am  
Bridging the Gap - How to Talk to the “Suits”  
Jean E. Cibula, MD, FACNS

8:25am  
Health Systems and Payment  
Gregory Kapinos, MD, MS

8:50am  
cEEG/IOM Billing  
Marc R. Nuwer, MD, PhD, FACNS

9:15am  
Discussion

9:30am  
Break

9:45am  
Innovative Approaches to Resources  
Deborah Briggs, MD, FACNS

10:10am  
Health Policy Update  
Eva K. Ritzl, MD, MBA, FACNS

10:35am  
Conflictual Issues in CNP - What Happens if you are the “Suit”!  
Matthew W. Luedke, MD, FACNS, FAAN

11:00am  
Discussion
ANNUAL MEETING & COURSES
FRIDAY, MARCH 1, 2024

Course: Stereo EEG Part II
Location: Oceans Ballroom 9-10
Course Co-Directors: Birgit Frauscher, MD, PhD and Ammar Kheder, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the fundamental principles of SEEG and how to formulate anatomo-electro-clinical hypothesis;
2. Describe the clinical indications and patient selection criteria for SEEG, including the unique aspects of pediatric patients; and
3. Discuss planning, and interpretation of SEEG to aid in the diagnosis and management of patients with drug-resistant epilepsy.

8:30am Controversies in SEEG (Unilateral or Bilateral, Reimplant, Stimulation, Thalamic) Patrick Chauvel, MD and Birgit Frauscher, MD, PhD and Ammar Kheder, MD

9:30am Challenges in Functional Mapping with SEEG Ravindra Arya, MD, DM

10:15am Lessons from SEEG Failures - Neurological and Neurosurgical Perspective Stephan Schuele, MD, MPH, FACNS, FAAN and Robert Gross, MD, PhD

11:05am Discussion

9:45am Somatosensory Evoked Potentials (SEPs) Matthew Hoffman, DO, PhD, FACNS

10:15am Brainstem Auditory Evoked Potentials (BAEPs) Alan D. Legatt, MD, PhD, FACNS

10:45am Visual Evoked Potentials (VEPs) Erik Kobylarz, MD, PhD

11:15am – 12:45pm Lunch & Poster Presentations
Exhibit & Poster Hall
Oceans Ballroom 5-8

11:30am - 12:00pm Speed Networking
Location: Oceans Ballroom Foyer
Meet and greet as many colleagues as possible in this face-paced networking event. Delegates are paired for 2-minute connections before rotating to the next colleague.
Don’t forget to bring business cards!

12:00 - 1:00pm Product Theater
Presented by: Ceribell
Location: Tarpon, 2nd Floor
See page 55 for complete information.

1:15 – 2:45pm General Session
Location: Oceans Ballroom 3-4
CME will not be offered at this session
1:15pm Presentation of the 2023 Robert S. Schwab Award Paul Barkhaus, MD, FACNS

1:20pm Robert S. Schwab Award Lecture: “Motor Unit Potential: Measurements & Correlates” Sanjeev D. Nandedkar, PhD

1:55pm ACNS Member Business Meeting

Course: Challenging Evoked Potentials Cases
Location: Course 11-12
Course Director: Erik J. Kobylarz, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain the basics of evoked potential testing including the technical aspects of stimulation, recording, and signal generation;
2. Identify the components of brainstem auditory, visual, and somatosensory evoked potentials; and
3. Classify EP findings as normal or abnormal and provide an accurate interpretation of the findings when the study is abnormal.
FRIDAY, MARCH 1, 2024

3:00 – 4:30pm  CONCURRENT SESSIONS

Delving Deep into the Deep Learning for Neurophysiology
Location: Oceans Ballroom 1-2

Session Director: Giridhar Kalamangalam, MD, DPhil, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Discuss concepts of deep learning in artificial intelligence and its relationship with clinical neurophysiology and basic neuroscience;
2. Describe the application of deep learning to neurophysiological data for speech decoding and synthesis; and
3. Explain the evolution of learning computing structures and their application to the specific use case of visual systems.

3:00pm  Introduction
Giridhar Kalamangalam, MD, DPhil, FACNS

3:15pm  Deep Learning for the Neurophysiologist: An Introduction
Ravindra Arya, MD, DM, FACNS

3:40pm  From Brainwaves to Speech: Illuminating the Path with Deep Learning and Electrophysiology
Abbas Babajani-Feremi, PhD

4:05pm  Real Brains and Artificial Intelligence: A Closing Gap
Jose Principe

Ambulatory EEG: Clinical Indications and Challenges
Location: Oceans Ballroom 9-10

This session is supported, in part, by an unrestricted educational grant from US Neuro.

Session Director: Magdalena Warzecha, R. EEG/EP, CLTM, NA-CLTM

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define the patient groups for which AEEG is a valuable solution;
2. Understand the capabilities and limitations of AEEG; and
3. Learn about best practices for ambulatory EEG.

3:00pm  Ambulatory EEG: Best Practices and Limitations
Stephan Schuele, MD, MPH, FACNS, FAAN

3:25pm  Ambulatory EEG: Clinical Indications and Filling the Gap of Healthcare Disparities in Epilepsy
Anna Serafini, MD

3:50pm  Making Decisions: Which Pediatric Patients are Served Best by an Ambulatory EEG?
Loreto Rios-Pohl, MD

4:15pm  Discussion

OPM-Based Magnetoencephalography: A New Perspective on Magnetic Neurophysiology
Location: Oceans Ballroom 11-12

Session Directors: Pegah Afra, MD, FACNS and Timothy P. Roberts, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Recognize the multiple ways that OPM technology may impact magnetoencephalography, not just from increased sensitivity, but also by transformative opportunities to study participants who move;
2. Assess the relevance of OPM-based MEG to their research and clinical practice; and
3. Explain utility of OPM-based imaging, and how it helps us understand interactions between different regions of the nervous system during natural movement.

3:00pm  Beyond Sensitivity: Other Enabling Opportunities of OPMs
Timothy P Roberts, PhD

3:30pm  MEG Based on Optically-Pumped Magnetometers: Current State and Clinical Potential
Joonas Iivanainen, MD

4:00pm  OPM-Based Millisecond-Scale Functional Connectivity Between the Brain, Spinal Cord, and Muscle
Meaghan E. Spedden, PhD

4:30 – 4:45pm  Coffee Break
Exhibit & Poster Hall
Oceans Ballroom 5-8
### FRIDAY, MARCH 1, 2024

#### 4:45 – 6:15pm CONCURRENT SESSIONS

<table>
<thead>
<tr>
<th>Cranial Nerve Conduction Studies Hands-On Workshop</th>
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<tr>
<td><strong>Location:</strong> Oceans Ballroom 1-2</td>
</tr>
<tr>
<td><strong>Session Director:</strong> Ruple S. Laughlin, MD, FACNS</td>
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</tbody>
</table>

This workshop is supported by an in-kind donation of equipment from Cadwell Industries.

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Perform cranial nerve conduction studies (facial, blinks, spinal accessory, masseter inhibitory reflex and Jaw jerk);
2. Identify technical factors that can alter the NCS findings; and
3. Understand when these tests would be of clinical utility, and interpret the findings in the context of disease.

4:45pm Cranial NCS: Facial Motor NCS, Spinal Accessory NCS and Blink Reflexes

*Ruple S. Laughlin, MD, FACNS*

5:30pm Cranial NCS: Masseter Inhibitory Reflex, Jaw Jerk, Lateral Spread Studies

*Devon I. Rubin, MD, FACNS*

<table>
<thead>
<tr>
<th>Intraoperative Neurophysiological Monitoring of Human Cognitive Functions: Challenges and Limitations (Joint ACNS/CLA-IFCN Symposium)</th>
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<tbody>
<tr>
<td><strong>Location:</strong> Oceans Ballroom 3-4</td>
</tr>
<tr>
<td><strong>Session Directors:</strong> Daniel San Juan Orta, MD, FACNS, FAES and Kamylla Thiago de Almeida, MD</td>
</tr>
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</table>

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Review the cortical and subcortical IOM mapping of language and other cognitive functions. The Brazilian experience;
2. Describe practical adaptations of the premotor and visual IOM mapping in Mexico; and
3. Discuss advances, limitations and challenges to the implementation of intraoperative cortical-cortical evoked potentials in multiple centers, and potentials solutions.

4:45pm Practical Applications of Cortical and Subcortical IOM Mapping in Supplementary Motor Areas and Visual Cortices

*Daniel San Juan Orta, MD, FACNS, FAES*

5:15pm Implementation of Cortical and Subcortical IOM Mapping of Language and Other Cognitive Functions: The Brazilian Experience

*Kamylla Thiago de Almeida, MD*

5:45pm Use of Cortical-Cortical Evoked Potential in IOM of Cognitive Functions in Humans

*Riki Matsumoto, MD, PhD*

<table>
<thead>
<tr>
<th>Ambulatory EEG</th>
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<tr>
<td><strong>Location:</strong> Oceans Ballroom 9-10</td>
</tr>
<tr>
<td><strong>Session Directors:</strong> Aline Herlopian, MD and William O. Tatum, IV, DO, FACNS</td>
</tr>
</tbody>
</table>

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Recognize indications for AEEG and technical requirements for performing study;
2. Distinguish artifacts, epileptiform activity, and normal variants captured on AEEG recordings; and
3. Determine nature of spells captured on AEEG study.

4:45pm Introduction

5:05pm Epileptiform Activity and Benign Variants

*Sandor Beniczky, MD, PhD, FACNS*

5:15pm Diagnosis of “Spells”

*Barbara Dworetzky, MD*

5:40pm Pitfalls and Technical Limitations

*Stephan Schuele, MD, MPH, FACNS, FAAN*

6:05pm Discussion

<table>
<thead>
<tr>
<th>The Role of the Thalamus During Stereoelectroencephalography (sEEG)</th>
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<tr>
<td><strong>Location:</strong> Oceans Ballroom 11-12</td>
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<tr>
<td><strong>Session Directors:</strong> Shruti Agashe, MD, MS, BME and Nicholas Gregg, MD</td>
</tr>
</tbody>
</table>

**Learning Objectives:**
At the conclusion of this activity, the learner will be able to:
1. Describe potential electrophysiological biomarkers from thalamic sEEG recordings;
2. Assess the evidence guiding implantation of thalamic nuclei during sEEG in anticipation of permanent DBS/RNS implantation; and
3. Evaluate the role of thalamic stimulation trials during sEEG.

4:45pm Potential Electrophysiological Biomarkers from Thalamic sEEG Recordings

*Shruti Agashe, MD, MS, BME*

5:10pm Evaluate the Role of Thalamic Stimulation Trials During sEEG

*Nicholas Gregg, MD*

5:35pm Assess the Evidence Guiding Implantation of Thalamic Nuclei During sEEG in Anticipation of Permanent DBS/RNS Implantation

*Sandipan Pati, MD*
ANNUAL MEETING & COURSES
SATURDAY, MARCH 2, 2024

7:00 – 8:30am
Breakfast
Exhibit & Poster Hall
Oceans Ballroom 5-8

7:00 – 8:00am
A Diverse & Inclusive ACNS: Past Efforts, the Path Forward
Location: Oceans Ballroom 11-12
Session Director: Suzette LaRoche, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Recognize past efforts to promote equity and inclusion within the Clinical Neurophysiology community;
2. Become familiar with issues that ACNS members recognize as obstacles and areas for improvement in the promotion of DEI; and
3. Identify opportunities for improving diversity, equity, and inclusion in the future.

7:00am Review of Past Symposia
Gloria M. Galloway, MD, MBA, FABEM, FACNS

7:10am Review of DEI Survey Results
Sasha Alick-Lindstrom, MD, FACNS, FAES, FAAN

7:20am Small Group Discussion
Gloria Galloway, MD, MBA, FABEM, FACNS, Jaime R. López, MD, FACNS, Sarah Schmitt, MD, FACNS and Suzette LaRoche, MD, FACNS

7:50am Report Out/Wrap Up

8:00 – 9:30am   CONCURRENT SESSIONS

Course: SEEG Illustrative Case Discussions
Location: Oceans Ballroom 1-2
Course Director: Jun T. Park, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand how a hypothesis of epileptogenic zone is formulated;
2. Identify how a hypothesis of epileptogenic zone is used to strategize intracerebral electrode placements; and
3. Understand the concepts of SEEG.

8:00am Introduction
Jun T. Park, MD, FACNS

8:15 Illustrative Case Discussion I
Laurence Martineau, MD, FRCPc, CSFN (EEG)

8:40 Illustrative Case Discussion II
Roohi Katyal, MD

9:05 Illustrative Case Discussion III
Neil Fotedar, MD

Course: Neonatal Neuromonitoring
Location: Oceans Ballroom 3-4
Course Director: Adam L. Numis, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Compare and contrast the utility of continuous EEG (cEEG) versus clinical judgment or amplitude-integrated EEG (aEEG) for the diagnosis of seizures in the critically-ill neonate;
2. Assess the yield of cEEG for detection of neonatal seizures in high-risk conditions including hypoxia-ischemia, stroke, and congenital heart disease; and
3. Resolve the clinically relevant information that can be gained from cEEG in the evaluation of the term and preterm infant with neonatal encephalopathy.

8:00am Systematic Review of Continuous EEG (cEEG) in the Neonatal ICU: Comparing cEEG to Amplitude-Integrated EEG (aEEG) and Clinical Acumen for Seizure Identification
Courtney J. Wusthoff, MD, MS, FACNS

8:35am Resource Allocation of cEEG: Which High-Risk Neonates Should be Monitored for Evaluation of Seizures?
Shavonne Massey, MD, MSCE, FACNS

9:00am Beyond Seizures: Can cEEG Help Understand Brain Function and Prognosis in the Encephalopathic Term and Preterm Infant?
Tammy Tsuchida, MD, PhD, FACNS

9:25am Discussion

Course: Controversies in IOM
Location: Oceans Ballroom 9-10
Course Directors: Jamie R. López, MD, FACNS and Alejandro Zavala, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify important controversial topics in IOM, such as calculating the real cost/benefit of the NIOM;
2. Define the concept of “Scope of Practice Creep” in IOM;
3. Discuss the myths and realities about the “positive/improved” IOM changes that the surgeon wants to hear and how to avoid them; and
4. Discuss the ethics of providing surgeons with information they want to hear to retain them as clients.

8:00am Introduction
Jaime R. López, MD, FACNS and Alejandro Zavala, MD, FACNS

8:05am Brief Expert Panel Discussion of Controversial Topics in IOM followed by Audience Participation
Lidia Cabanes-Martinez, MD, FACNS, Ronald Emerson, MD, FACNS, Gloria Galloway, MD, MBA, FABEM, FACNS and Marc Nuwer, MD, PhD, FACNS
Neurophysiology of Delirium  
Location: Oceans Ballroom 11-12  
Session Director: Rishi Ganesan, MBBS, MD, DM, FACNS  
Learning Objectives:  
At the conclusion of this activity, the learner will be able to:  
1. Describe EEG findings in patients with delirium and its subtypes across the age spectrum;  
2. Describe neurophysiological basis of delirium, and  
3. Describe neurophysiological basis of delirium.  

8:00am Raw & Quantitative EEG Changes in Delirium  
Robert Fleischmann, MD  
8:30am Network Dysconnectivity in Delirium  
Rishi Ganesan, MBBS, MD, DM, FACNS  
9:00am Newer Approaches to Studying Brain Networks in Delirium  
Eyal Y. Kimchi, MD, PhD  

9:30 – 9:45am  
Coffee Break  
Exhibit & Poster Hall  
Oceans Ballroom 5-8  

Complex Electrodiagnostic Waveforms – An Interactive Case-Based Approach to Interpreting Uncommon Waveforms  
Location: Oceans Ballroom 3-4  
Session Director: Devon I. Rubin, MD, FACNS  
Learning Objectives:  
At the conclusion of this activity, the learner will be able to:  
1. Recognize the features and causes of unusual and complex nerve conduction study waveforms (motor, sensory, and repetitive nerve stimulation);  
2. Identify atypical or complex EMG waveforms and distinguish among different types of EMG waveforms; and  
3. Understand the significance of complex NCS and needle EMG waveforms in the context of peripheral nerve and neuromuscular disorders.  

9:45am Complex Needle Electromyography Waveforms  
Devon I. Rubin, MD, FACNS  
10:25am Complex Nerve Conduction Study Waveforms  
Christopher Lamb, MD  

9:45 – 11:15am  
CONCURRENT SESSIONS  
Course: Neuromodulation Workshop: Epilepsy and Beyond  
Location: Oceans Ballroom 1-2  
Course Director: Lawrence J. Hirsch, MD, FACNS  
Learning Objectives:  
At the conclusion of this activity, the learner will be able to:  
1. Compare and contrast the indications and effectiveness of the 3 approved forms of neuromodulation for refractory epilepsy (VNS, RNS and DBS);  
2. Describe the current and near-future utility of neuromodulation in a variety of pediatric neuropsychiatric conditions; and  
3. Appreciate emerging non-invasive methods of neuromodulation and determine which patients with a variety of conditions (including epilepsy) might benefit.  

9:45am Introduction  
9:50am Neuromodulation for Epilepsy in Adults  
Imran Quraishi, MD, PHD  
10:15am Neuromodulation in Pediatric Neurology and Psychiatry  
Carolina Gorodetsky, MD  
10:40am Applications of Non-Invasive Neuromodulation  
Melissa Tsuboyama, MD  
11:05am Discussion  

The EEG as a Window to the Sedated Brain  
Location: Oceans Ballroom 9-10  
Session Directors: Maria Bruzzone Giraldez, MD, MSCR, FACNS and Eyal Y. Kimchi, MD, PhD  
Learning Objectives:  
At the conclusion of this activity, the learner will be able to:  
1. Identify the key quantitative EEG findings of the developing brain under anesthesia;  
2. Identify the key quantitative EEG findings of the developing brain under anesthesia; and  
3. Distinguish the prevalent quantitative EEG patterns associated with altered states of consciousness in critically ill patients.  

9:45am The EEG as a Window to the Sedated Brain in the Pediatric Population  
Giulia Benedetti, MD  
10:10am The EEG as a Window to the Sedated Brain in the Perioperative Setting  
Paul S. Garcia, MD, PhD  
10:35am The EEG as a Window to the Sedated Brain in the Critically Ill  
Shawniqua Williams Roberson, M.Eng., MD, MSCI  
11:00am Discussion
11:30am - 1:00pm

Career Development Panel: Career Pathways in Clinical Neurophysiology

Location: Oceans Ballroom 11-12

Session Directors: Ioannis Karakis, MD, PhD, MSc, FACNS and Lynn Liu, MD, MS (HPE), FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Provide examples of various career pathways in clinical neurophysiology;
2. Provide interactive advice on the pros and cons of each of these pathways; and
3. Assess how each of these pathways impact lifestyle and quality of life.

11:30am Introduction

11:40am The Practice of Clinical Neurophysiology in a Major Academic Center
Emily Gilmore, MD, MS, FNCS, FACNS

12:00pm The Practice of Clinical Neurophysiology in the Community
Rajdeep Singh, MD, MS, FACNS, FAES

12:20pm The Practice of Clinical Neurophysiology through Telemedicine
Eric Anderson, MD, PhD, MBA

12:40pm The Practice of Clinical Neurophysiology through Collaboration with Industry
M. Brandon Westover, MD, PhD

1:15 – 2:45pm GENERAL SESSION

Location: Oceans Ballroom 3-4

1:15pm Presentation of the 2024 Young Investigator Travel Awards
Lynn Liu, MD, MS (HPE), FACNS

1:25pm Presentation of the 2024 Herbert H. Jasper Award
Frank W. Drislane, MD, FACNS

1:30pm Herbert H. Jasper Award Lecture: “Rethinking Seizures: How Current Concepts Fail to Meet Clinical Needs”
Michael R. Sperling, MD, FACNS

2:05pm Presentation of the 2024 Pierre Gloor Award
Cecil D. Hahn, MD, MPH, FACNS

2:10pm Pierre Gloor Award Lecture: “A Review of Periodicity in Electroencephalography”
Gordon Bryan Young, MD, FRCP, FAAN, FANA

3:00 – 4:30pm CONCURRENT SESSIONS

Botulinum Toxin Treatment Under EMG Guidance: Hands-On Workshop

Location: Oceans Ballroom 1-2

Session Director: Jaime R. López, MD, FACNS

This workshop is supported by an in-kind donation of equipment from Abbvie, Inc. and Cadwell Industries.

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the different botulinum;
2. Describe the benefit of using EMG; and
3. Accurately localize the commonly injected muscles in dystonia, spasticity, and migraine.

3:00pm Use of EMG Guidance and Hands-On Demonstration on How to Perform Botulinum Toxin Treatment Using Simulated Devices
Jaime R. López, MD, FACNS

3:25pm Botulinum Toxin Treatment in Neurologic Disorders—A Review
Felix Chang, MD

3:50pm Hands-On Demonstration on How to Perform Botulinum Toxin Treatment Using Simulated Devices
Alejandro Zavala, MD, FACNS

Advances in Ischemia Neuromonitoring: From the Angio Suite to the ICU and Operating Theater

Location: Oceans Ballroom 3-4

Session Directors: Edilberto Amorim, MD and M. Brandon Westover, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe applications and recent advances of machine learning for stroke prevention using intraoperative neurophysiology monitoring;
2. Understand the concepts and pitfalls of delayed ischemia prediction in subarachnoid hemorrhage; and
3. Identify barriers and opportunities to use rapid EEG for large vessel occlusion detection in adult and children in pre-hospital and emergency settings.

3:00pm Delayed Cerebral Ischemia Monitoring for Subarachnoid Hemorrhage in Critical Care: Qualitative and Quantitative Strategies
Jennifer Kim, MD, PhD

3:25pm Intraoperative Monitoring During Cardiovascular Interventions: Pushing the Envelope on Performance Through Machine Learning
Partha Thirumala, MD, FACNS

3:50pm Pre-Hospital and Emergency Room Rapid EEG Monitoring for Large Vessel Occlusion and Intracerebral Hemorrhage
Edilberto Amorim, MD

4:15pm Discussion
Starts, Ends, Surroundings, and Bends -- Effects of Anatomy on Recording and Stimulation of Action Potentials in Axons

Session Director: Alan D. Legatt, MD, PhD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe how far-field potentials are generated by action potentials in axons only when they are located at certain anatomically-determined points in the axons;
2. Describe how electrical fields within tissue stimulate axons, and how nerves are most easily stimulated where they bend and/or traverse a bony foramen; and
3. Describe the current flows elicited by TCMS and TCES, and how the anatomy of the brain and the axonal trajectories affect which structures are stimulated.

3:00pm Effects of Anatomy on Generation of Far-Field Potentials from Propagating Action Potentials in Axons
   Alan D. Legatt, MD, PhD, FACNS

3:30pm Biophysics of Stimulation of Axons and Action Potential Initiation Sites During Nerve Stimulation
   Jonathan Norton, PhD, FACNS

4:00pm Axonal Anatomy, Stimulating Current Flow, and Action Potential Initiation Sites During Magnetic and Electrical Brain Stimulation
   Tommi Raij, MD, PhD

Amyotrophic Lateral Sclerosis: Neurophysiological Natural History, Estimation and Quantification of Motor Units and Clinical-Electrophysiological Differential Diagnosis (Joint ACNS/Latin American Chapter Symposium)

Session Directors: Devon Rubin, MD, FACNS and Mark Bromberg, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe the anatomical and electrophysiological changes in motor nerves and muscle attributable to motor neuron degeneration/ALS;
2. Understand, interpret and use the information derived from the techniques used for the estimation/ quantification of motor units in motor neuron disease; and
3. Perform an appropriate approach to the clinical and electrophysiological diagnosis of motor neuron disease, in particular ALS.

3:00pm Clinical and Electrophysiological Differential Diagnosis with Diseases that Mimic ALS
   Devon Rubin, MD, FACNS

3:30pm Methods of Estimation and Quantification of Motor Units including MUNE, MUNIX, CMAP Scan. etc.
   Mark Bromberg, MD, PhD

4:00pm Natural History of Electrophysiological Changes in Motor Nerve Conductions and the Denervation Process in NMD/ALS
   Gustavo E. Ramos Burbano, MD, MSci

4:30 – 4:45pm
   Coffee Break
   Oceans Ballroom Foyer

4:45 – 6:15pm CONCURRENT SESSIONS

New Trends in Electrical Source Imaging for Presurgical Epilepsy Evaluation: From Current Standard of Care to New Approaches

Session Directors: Prachi Parikh, MD and Birgit Frauscher, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Discuss ESI and its use in presurgical evaluation by case demonstrations;
2. Review the different tools to facilitate ESI in clinical practice; and
3. Describe the role of ESI across different epileptic (interictal vs. ictal) and vigilance (wake vs. NREM vs REM) states on ESI.

4:45pm ESI is Useful in our Presurgical Armamentarium: Case Series
   Prachi Parikh, MD

5:10pm ESI: From Low-Resolution to Fully Automatic Approaches
   Daniel Mansilla, MD

5:35pm Ictal ESI: Advantages and Pitfalls
   Sandor Beniczky, MD, PhD, FACNS

6:00pm Discussion
ANNUAL MEETING & COURSES

SATURDAY, MARCH 2, 2024

Multimodal Monitoring in Comatose Patients: EEG and Vascular Correlations and Outcome Prediction
Location: Oceans Ballroom 3-4
Session Director: Olga Selioutski, DO, FACNS, FAES, FACN
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define multimodal monitoring practices utilized in the ICUs;
2. List multimodal monitoring modalities applicable in comatose patients; and
3. Define principals of combined vascular and EEG monitoring modalities applicable in comatose patients with various etiologies of coma.

4:45pm Introduction
4:50pm Multimodal Monitoring Practices in the ICUs
   Emily Gilmore, MD, MS, FNCS, FACNS
5:15pm Applicability of Near-Infrared Spectroscopy (NIRS) in ICU
   Jennifer Kim, MD, PhD
5:40pm Applicability of Diffuse Correlation Spectroscopy (DCS) in Monitoring of Critically Ill Patients
   Regine Choe, PhD

Brain Mapping During Surgery (Joint ACNS/ Spanish Society for Clinical Neurophysiology (SENFC) Symposium)
Location: Oceans Ballroom 9-10
Session Directors: Lidia Cabañes-Martínez, MD, FACNS and Jaime R. López, MD, FACNS
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define the various tools used in iONM for a safe and effective cortical mapping;
2. Plan a safe individual cortical mapping either in asleep or awake patients; and
3. Discuss common cortical mapping results and events.

4:45pm Introduction
4:55pm Mapping of Sensory and Motor Cortical Areas
   Alan D. Legatt, MD, PhD, FACNS
5:20pm Peculiarities of Neurophysiological Mapping in Awake Patients
   Victoria Fernandez, MD, PhD, FACNS
5:45pm Mapping of Language in Bilingual Patients
   Estela Lladó- Carbó, MD, PhD

E/MEG Source Localization is Useful in Temporal Lobe Epilepsy: Myth or Fact
Location: Oceans Ballroom 11-12
Session Directors: Ismail S. Mohamed, MD, FAES, FACNS and Jeffrey Tenney, MD, PhD, FACNS
Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the role of ESI and MSI in the presurgical evaluation of temporal lobe epilepsy and its mimics;
2. Interpret different patterns of EMSI source localization and their relationship to invasive recordings; and
3. Understand how advances in MEG signal analysis can improve the detection of deep mesial temporal generators and better characterize language networks.

4:45pm Introduction
4:50pm EEG Source Imaging in the Surgical Evaluation of Temporal Lobe Epilepsy
   Benjamin Cox, MD
5:15pm Improving Detection of Hippocampal Epileptiform Activity Using Magnetoencephalography
   Jeffrey Tenney, MD, PhD, FACNS
5:45pm Unraveling the Language Network: A Multi-Modal Approach with MEG and other Techniques
   Abbas Babajani-Feremi, PhD

6:30 – 7:30pm
Special Interest Group (SIG) Socials
Stereo EEG - Oceans Ballroom 1-2
NIOM - Oceans Ballroom 9-10
ICU EEG - Oceans Ballroom 3-4
Business of Clinical Neurophysiology - Oceans Ballroom 11-12
7:00 – 8:30am

Breakfast
Oceans Ballroom Foyer

8:00 – 9:30am  CONCURRENT SESSIONS

Thalamic Stereo EEG
Location: Oceans Ballroom 1-2

Session Directors: Ramya Raghupathi, MD and Prachi Parikh, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Highlight the significance of understanding thalamic function and its clinical applications;
2. Understand Thalamic sEEG: Gain insights into the principles, procedure, and importance of thalamic sEEG;
3. Explore the criteria and considerations for selecting patients and indications for thalamic sEEG;
4. Discuss potential biomarkers and their implications derived from thalamic sEEG signals; and
5. Review implantation techniques, limitations, and potential complications from a neurosurgical standpoint on thalamic implantation.

8:00am  Introduction
8:15am  Case Discussion
Prachi Parikh, MD
8:40am  Patient Selection and Indications
Francesca Pizzo, PhD
9:05am  Implantation Strategies and Neurosurgery Perspective
Jimmy Yang, MD

Peripheral Neuropathies - Beyond Standard Neurophysiological Evaluation (Joint ACNS/Sociedade Brasileira de Neurofisiologia Clínica Symposium)
Location: Oceans Ballroom 11-12

Session Directors: Catherine Marx, PhD and Marcondes França Jr, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe how to perform/interpret late onset responses and discuss how they can be used in the diagnosis/classification of peripheral neuropathies;
2. Describe the main causes of nodo/paranodopathies and key neurophysiological features in this group of neuropathies; and
3. Review the key features of sensory neuronopathies and review neurophysiological techniques to distinguish them from sensory.

8:00am  Late Responses – A and F Waves - In the Assessment of Peripheral Neuropathies
Jose Antonio Garbino, MD, PhD
8:25am  How to Recognize Nodo/Paranodopathies
Marcus Vinicius Pinto, MD, MS
8:50am  Neurophysiological Techniques in the Differential Diagnosis Between Sensory Polyneuropathies and Sensory Ganglionopathies
Marcondes França Jr, MD, PhD
9:15am  Discussion

Education and Training of Clinical Neurophysiology in Different International Health Care Systems. Are we Failing a Worldwide Need?
Location: Oceans Ballroom 3-4

Session Directors: Alejandro Zavala, MD, FACNS and Jaime R. López, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify the challenges in the training of clinical neurophysiologists in Spain, Mexico and the United States;
2. Describe the strengths in the training of physician clinical neurophysiologists in Spain, Mexico and the United States and propose applications of these strengths among the different health systems; and
3. Analyze the maldistribution of clinical neurophysiologists in Spain, Mexico and the United States, and propose possible incentives to alleviate the situation.

8:00am  Introduction
8:10am  Education and Training of Clinical Neurophysiology in Different International Health Care Systems. Are we Failing a Worldwide Need?
Jaime R. López, MD, FACNS
8:35am  Education and Training of Clinical Neurophysiology in Different International Health Care Systems, the Situation in Mexico
Samantha Pineda, MD
8:50am  Education and Training of Clinical Neurophysiology in Different International Health Care Systems. The Situation in Spain
Lidia Cabañes-Martínez, MD, FACNS
A Deeper Understanding of Some Aspects of Neurophysiology

Location: Oceans Ballroom 9-10

Session Director: David Gloss, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe why we use the stimulus settings for SSEPs;
2. Describe the underlying physiological changes of EEG changes seen during carotid surgery; and
3. Describe the meaning of positive results for direct brainstem MEPs.

8:00am Evoked Potential Settings
   Eva K. Ritzl, MD, MBA, FACNS, FAAN

8:25am Whys of Motor Mapping
   Alan D. Legatt, MD, PhD, FACNS

8:50am EEG Changes During Carotid Surgery
   David Gloss, MD, FACNS

9:30 – 9:45am Coffee Break
   Oceans Ballroom Foyer

9:45 – 11:15am CONCURRENT SESSIONS

Psychiatry and Neurosurgery - Value of Auditory Evoked Potentials in High Risk Children and Adults (Joint ACNS/Egyptian Society of Neurology Symposium)

Location: Oceans Ballroom 1-2

Session Directors: Ayat Allah F. Hussein, MD and Aatif M. Husain, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the basics of auditory evoked potentials, technical considerations in adults, normative values and clinical applications;
2. Understand auditory evoked potentials in infants and the normal development process and their role in assessment of Neurodevelopment delay in high risk infants; and
3. Learn the value of auditory evoked potentials in predicting coma outcomes.

9:45am Auditory Evoked Potentials Basics, Technical Considerations and Clinical Applications in Adults
   Hanan Hosney, MD

10:15am Utility of Auditory Evoked Potentials in Assessment of Neurodevelopment Delay in High Risk Infants
   Ayat Allah F. Hussein, MD

10:45am Value in Predicting Coma Outcomes with Auditory Evoked Potentials
   Aatif M. Husain, MD, FACNS

Exploring Continuous EEG Monitoring in the Critically Ill: Rapid Availability, Long-Term Monitoring Candidates, and Limited Montages

Location: Oceans Ballroom 3-4

Session Directors: Lidia Cabanés-Martínez, MD, FACNS and Adriana Bermeo-Ovalle, MD, FACNS, FAES

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify patterns that are highly associated with seizures and understand how can assist in identifying patients at heightened risk of experiencing seizures;
2. Acquire the knowledge to implement an early mobilization of EEG resources for the diagnosis of status epilepticus and gain insight into an EEG workflow that incorporates a risk-stratifying score; and
3. Identify rapid EEG and limited montages that are accessible and applicable within the local setting, thus expanding their utilization.

9:45am Introduction

9:50am Time is Brain: Accelerating Code Status Epilepticus to EEG Time
   Guillermo Martín Palomeque, MD, FACNS

10:15am Embracing the 2HELPS2B Seizure Risk Score: A Valuable Approach for Seizure Detection in the Hospital Settings
   Clio Rubinos, MD, MS, CR

10:40am Exploring Alternatives to Continuous EEG Monitoring: Beyond the Norm
   Maria Bruzzzone Giraldez, MD, MSCR, FACNS

11:05am Discussion
**Research Highlights**

*Location: Oceans Ballroom 9-10*

Session Director: Olga Taraschenko, MD, PhD

9:45am Implementation of an EEG Neuroanalyst Program Decreases Time to Seizure Detection & Seizure Burden  
*Hiba Haider, MD, FACNS, FAES*

10:00am Enhanced Sensitivity of Electrocorticography During Awake Craniotomy Using a Novel Circular Grid Electrode  
*Brin Freund, MD*

10:15am Varied Ion Channel Expression Explains Differences in Excitability Between and Within Human Peripheral Nerves in Vivo  
*Christopher Moore, PhD, FRCP*

10:30am Non-invasive Somatosensory Mapping to Plan Intracortical Electrode Implants for Brain-computer Interfaces  
*Stephen Foldes, PhD*

10:45am Centromedian Thalamic Deep Brain Stimulation for Idiopathic Generalized Epilepsy  
*Sihyeong Park, MD*

**Clinical Neurophysiology Resident and Fellow Symposium**

*Location: Oceans Ballroom 11-12*

Session Directors: Pegah Afra, MD, FACNS and Jeffrey Britton, MD, FACNS

9:45am Seizure Detection and Lateralization by a Thalamic Deep Brain Stimulation System  
*Gloria Ortiz Guerrero, MD*

10am Utility of RNS Therapy for Patients with Super-refractory Status Epilepticus  
*Christopher Martin, MD*

10:15am Refractory Carpal Tunnel Syndrome Secondary to Gout-associated Synovial Hypertrophy: Role of Neuromuscular Ultrasound  
*Hemani Ticku, MD*

10:30am Heart Ceasing and Breath Holding Spells  
*Patricia Bacus, MD*

10:45am Using CT-Perfusion in Ictal-Interictal Continuum  
*Sukriye Damla Kara Barnes, MD*
Through commitment, innovation, and community, Marinus is dedicated to the development of treatments for status epilepticus and rare epilepsies.

The RAISE Trial: A clinical study evaluating the efficacy and safety of investigational IV ganaxolone in refractory status epilepticus.

Intravenous ganaxolone is an investigational product not yet approved by the United States Food and Drug Administration (FDA).

To learn more, please visit us in the Exhibit Hall at Booth #116 or scan the QR code.

Contact us: medinfo@marinuspharma.com
EXHIBITS & PRODUCT THEATER

Oceans Ballroom

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EXHIBIT HALL SCAVENGER HUNT

Fill your ACNS Exhibit Hall Aquarium!

Collect fish stickers by visiting Exhibitors in the ACNS Exhibit Hall and fill your aquarium for a chance to win! Collect at least 6 stickers and return your aquarium card to the registration desk before 4:30pm on March 2nd to be entered in the raffle.

PRIZES INCLUDE:

- Complimentary 2024-25 ACNS membership
- Complimentary registration for the 2025 ACNS Annual Meeting & Courses in Baltimore, MD!

Three winners will be selected and announced via social media after the meeting.
Welcome to ACNS 2024 in Orlando, Florida!

Are you looking for ways to improve patient care or make your workflow more efficient?

If so then you should stop by BOOTH 302 to see how Rhythmlink can help.

With a full line of FDA Cleared Disposable EEG Electrodes and custom options, there’s a solution to meet your needs!

COME VISIT US AT BOOTH 302
EXHIBITOR INFORMATION

104

**ABRET Neurodiagnostic Credentialing and Accreditation**
http://www.abret.org

ABRET is the credentialing board for Electroencephalographic (EEG) Technologists, Evoked Potential (EP) Technologists, Neurophysiologic Intraoperative Monitoring (CNIM) Technologists, Long Term Monitoring (CLTM) Technologists, Autonomic Testing Professionals (CAP), Magnetoencephalography Technologists (CMEG), and NeuroAnalysts (NA-CLTM). Introducing a new microcredential in Complex Spine for CNIM technologists. Highlight your organization through lab accreditation, LAB-EEG, LAB-LTM, and LAB-IOM.

204

**Agupunt USA Corp.**

106

**American Board of Clinical Neurophysiology**
http://www.abcn.org

The American Board of Clinical Neurophysiology (ABCN) has a long history of promoting excellence in Clinical Neurophysiology. Examinations are available in General Clinical Neurophysiology, Epilepsy Monitoring, Neurophysiologic Intraoperative Monitoring, Critical Care EEG, and Pediatric EEG for physicians who have completed a qualifying Fellowship. International candidates are welcome. Online proctoring is available.

312

**American Clinical MEG Society**
http://www.acmegs.org

ACMEGS supports MEG centers in delivering quality comprehensive care to people with neurological disorders, by setting standards of care, advocating for access to high quality MEG center services, and providing education, knowledge, and other resources to its member centers.

102

**ASET - The Neurodiagnostic Society**
http://www.aset.org

ASET is the essential organization for Neurodiagnostic professionals. ASET provides its 7,700 members world-class education and training in both in-person and online environments, including the premier neurodiagnostic technology journal, “The Neurodiagnostic Journal.” Members also develop their careers through a unique community where professional advancement is fostered through a host of opportunities to connect and learn from colleagues. Discover the benefits of membership and how your Neurodiagnostic team can contribute to the advancement of neurodiagnostics. Join us in our mission to make a lasting impact on the field and elevate the standard of care for patients worldwide.

211 & 310

**Cadwell Laboratories, Inc.**
909 N Kellogg Street
Kennewick, WA 99336
http://www.cadwell.com

Cadwell designs sophisticated neurological solutions for leading healthcare institutions across the globe. We are the third largest neurotechnology company in the world and our focused product portfolio is ever-evolving to meet the needs of our customers. Our EEG, EMG/NCS/EP/US and SLEEP systems are streamlined for workflow efficiency and ease of use. Our industry-leading IONM systems help accelerate learning and teaching. We provide quality equipment, streamlined workflows, and industry-leading support to help you help others. Visit us at www.cadwell.com.

205 – 207

**Ceribell**
2483 Old Middlefield Way
Suite 120
Mountain View, CA 94043
http://ceribell.com/index.html

Ceribell Point-of-Care EEG empowers neurologists to efficiently expand EEG coverage across the hospital without over-extending their team. Continuous 24/7 seizure burden monitoring, real-time alerts, and remote access for EEG reads, anytime on any device, reduce the burden of STAT and afterhours EEG coverage on neurology and neurodiagnostic departments. Improve and streamline patient care in your hospital with Ceribell.

100

**Compumedics**
5015 West WT Harris Blvd
Suite E
Charlotte, NC 28269
http://compumedics.com

Compumedics offers innovative solutions for neuro-diagnostics ranging from Routine EEG studies to Long-Term-Monitoring. The “Curry” neuroimaging software suite, paired with Compumedics’ high density recording systems, helps optimize patient outcomes in Level 3/4 Epilepsy centers. The neXus 360 data management system provides web-based and remote physician access from any device with internet access. By defining life’s signals, our technology turns vast amounts of data into valuable information that leads to a more accurate diagnosis and consequently more effective therapy for some of the most serious health conditions.
**EXHIBITOR INFORMATION**

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<td>5950 La Place Court</td>
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<td>Suite #160</td>
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<td>Carlsbad, CA 92008</td>
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CortiCare provides continuous remote EEG Services for the ICU, NICU, or EMU using a robust infrastructure of registered EEG technologists and reading neurophysiologists. Our clinical team provides immediate notification of patient events so physicians can interpret neurocritical care data in real time. We are ready to provide support when and as needed. The CortiCap single-use, premeasured electrode set can be used by any healthcare staff to set up a 10-20 EEG and initiate CEEG monitoring quickly. For more information see us at Booth 304 or visit www.corticare.com.

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<td>11910 Fox Ridge Drive</td>
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<td>Plymouth, MI 48170</td>
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<td><a href="http://www.diximedus.com">http://www.diximedus.com</a></td>
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DIXI Medical - a world-leader in SEEG since 1975 is a designer and manufacturer of medical devices for functional and stereotactic neurosurgery for the treatment of epilepsy. Microdeep® - the original SEEG depth electrode is available with 5 -18 platinum contacts and is used in leading epilepsy programs world-wide. Stop by booth 202 and learn more about DIXI Medical USA's SEEG advantages or email info@diximedus.com

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<th>g.tec medical engineering GmbH</th>
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g.tec is a leading innovator in neurotechnology, specializing in advanced solutions for neuroscience and neurorehabilitation. The latest FDA-cleared cortiQ system offers real-time high-gamma neural activities, empowering researchers with unprecedented insights into functional brain mapping. Complementing this, g.tec's neuromodulation systems, including FDA-cleared stimulators and switching units, provide precise and customized control over electrical stimulation, and sEEG&ECOG recordings for clinical and research applications. These cutting-edge technologies enable researchers and clinicians to explore the complexities of the brain, paving the way for new treatments and interventions.

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Since 1991, inomed has developed and manufactured state-of-the-art products and treatments for customers working in the fields of intraoperative neuromonitoring (IONM), functional neurosurgery, pain therapy and neurological diagnostics. We help our customers provide safe and successful surgeries for their patients. In order to ensure the highest quality of service, we offer our customers a comprehensive package consisting of development and manufacturing to German quality standards, worldwide distribution, on-site services and educational classes. inomed Inc. is a subsidiary based out of Chicago IL, providing inomed’s unparalleled services to the United States.

| 112 | JAZZ Pharmaceutical |

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LifeSync Neuro is a trusted partner in neurodiagnostic and neuromonitoring technology, with a wide array of products and services. All LifeSync products are known for excellent signal quality and patient comfort. Our competitively priced, in-stock products can be shipped quickly, so you have what you need, when you need it.

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We are excited to introduce LVIS’s exclusive NeuroMatch® technology to attendees at the ACNS meeting. Visit us at booth 115 to experience firsthand our innovative techniques for reviewing EEG data.

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Marinus Pharmaceuticals, Inc. is developing treatments for seizure disorders. ZTALMY® (ganaxolone) oral suspension, CV is approved for seizures associated with cyclin-dependent kinase-like 5 (CDKLS5) deficiency disorder in patients 2 years of age and older. Ganaxolone is being studied in other seizure disorders, including an investigational IV formulation for refractory status epilepticus.
EXHIBITOR INFORMATION

107
Natus Medical, Inc.
http://www.natus.com

Natus delivers advanced technology and market-leading solutions across the full spectrum of neuro care. Since 1935 we have been committed to advancing the quality of patient care in the fields of EEG, EMG, EP, ICU, IOM, LTM, Sleep, research and application products. We manufacture products, supplies and software solutions that provide detection, trending and monitoring for a range of conditions, including seizures, epilepsy and other disorders that affect the brain. Natus Neuro is comprised of the most widely used and trusted names in the industry, including Xltek®, Grass® and Nicolet®.

317
Nemours Children’s Health
https://nemours.org

Nemours Children’s Health is one of the nation’s largest multistate pediatric health systems, which includes two free-standing children’s hospitals and a network of more than 70 primary and specialty care practices. Nemours Children’s seeks to transform the health of children by adopting a holistic health model that utilizes innovative, safe, and high-quality care, while also caring for the health of the whole child beyond medicine. Nemours places a strong emphasis on innovation and actively engage in cutting-edge research, clinical trials and medical breakthroughs to improve outcomes with the goal of enhancing the quality of life for families.

213
Neurelis, Inc.
https://neurelis.com

Neurelis, Inc. is an innovation-driven neuroscience company that provides a highly differentiated approach to target unmet medical needs. Neurelis is focused on the development and commercialization of product candidates and innovative delivery technologies for the broader central nervous system (CNS), including epilepsy and psychiatry. We are built on a foundation of people with a passion for progress and a passion for serving the needs of people with neurological disorders and those who care for them. In 2020, Neurelis reached a milestone in patient care with its first FDA-approved treatment. For more information, please visit http://www.neurelis.com.

301
Neuromonitoring Technologies
http://www.neuromonitoringtechnology.com
24/7/365 Continuous EEG Services
Immediate Care of ICU/EMU patients for improved outcomes

Neuromonitoring Technologies provides continuous “eyes-on” video EEG using telemedicine technology with the required 4/1 patient to ABRET® R.EEG T. & CLTM technologist ratio. Critical conditions (seizures, ischemia) require rapid recognition for immediate treatment that directly affects the course of an illness and the length of a hospital stay. NMT’s highly experienced, technologists, have proven success in correlating EEG, cardiovascular and hemodynamic parameters with clinical findings for immediate intervention by the in-house neurologist.

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NeuroPace, Inc.
455 N. Bernardo Avenue
Mountain View, CA 94043
http://www.neuropace.com

About the NeuroPace RNS® System: The RNS System is the world’s first and only closed-loop brain-responsive neurostimulation system designed to prevent epileptic seizures at their source. The RNS System treats seizures by continuously monitoring brain waves, detecting unusual activity, and automatically responding with imperceptible electrical pulses before seizures occur. Physicians can program the detection and stimulation parameters of the implanted RNS neurostimulator to personalize therapy for each individual. The RNS® System is an adjunctive therapy for adults with refractory, partial onset seizures with no more than two epileptogenic foci. See important safety information at http://www.neuropace.com/safety/

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Neurotech, LLC
626 W. Moreland Blvd
Waukesha, WI 53188
http://www.neurotechcveeg.com

Neurotech, LLC specializes in EEG services including in-home, long-term, and continuous hospital EEG monitoring. Accredited by the Joint Commission and partnered with many academic facilities, our in-home, long-term EEG monitoring services improves our patients’ comfort and provides a cost-effective alternative to a hospital stay. Neurotech cEEG Partners, LLC provides hospitals with continuous EEG monitoring in the ICU and EMU to improve patient safety and outcomes.
### EXHIBITOR INFORMATION

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<td>Neurovative Diagnostics is a Joint Commissioned Accredited company, who was founded by individuals with direct clinical EEG expertise and business professionals, with over 50 combined years of experienced in the neurodiagnostic field. While there are other similar service providers which would provide you similar services, we are a company of our word and integrity. The services we offer, and the way we provide them, is what separates us from everyone else. We instill compassion, convenience, and comfort throughout the patient journey and our customer service is one of the highest in the industry.</td>
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<td>Plainfield, IN 46168</td>
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<td><a href="http://www.teamngn.com">http://www.teamngn.com</a></td>
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<td>Next Gen Neuro (NGN) is a women and veteran-owned high quality, affordable EEG/cEEG service provider determined to make a difference in our field. Our passion is to seek opportunities to help all patient populations, with a special commitment to the most vulnerable patients and the most challenged areas of neurodiagnostic service coverage. We offer Real-Time Continuous Monitoring, Retrospective Review, Intermittent Clinical and Technical Review, Reading Physicians, and NeuroAnalyst services. Specializing in EMU &amp; ICU, Neonatal, Pediatric, Adult, and Intracranial Monitoring. We are the Next Generation of Partnership in Neurodiagnostic Care. Let us provide a tailored solution for your needs today.</td>
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<td>Nihon Kohden's Neurology product portfolio includes instrumentation for Epilepsy Monitoring, Electroencephalography, EEG &amp; PSG Ambulatory Recording, Polysomnography, Wireless EEG &amp; PSG, Home Sleep Testing/ PSG, Electromyography, Evoked Potentials, Intra-operative and cEEG ICU monitoring. Nihon Kohden’s instrumentation offers the flexibility and expandability needed to meet the changing demands of today’s neurodiagnostic field. In the U.S., the company is a trusted source for patient monitoring, sleep assessment, neurology and cardiology instrumentation solutions, and has been recognized for the highest customer satisfaction among U.S. hospitals and health systems for more than 10 consecutive years (MD Buyline). For more information, visit <a href="http://us.nihonkohden.com/">http://us.nihonkohden.com/</a>.</td>
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<table>
<thead>
<tr>
<th>214</th>
<th>Ochsner Health System</th>
</tr>
</thead>
<tbody>
<tr>
<td>1514 Jefferson Highway</td>
<td></td>
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<tr>
<td>New Orleans, LA 70121</td>
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<tr>
<td><a href="http://www.ochsner.org">http://www.ochsner.org</a></td>
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<tr>
<td>Ochsner Health is recruiting Neurologists to join our growing team in Louisiana &amp; Mississippi.</td>
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<tr>
<td>• Practice Neurology with Physician-led health system.</td>
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<tr>
<td>• Practice locations in the community or at our new state of the art neurosciences center.</td>
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<tr>
<td>• Limited on-call requirements.</td>
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<td>• Competitive salary above most areas of the country.</td>
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<td>• Electronic consults for immediate assistance without patient travel.</td>
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<tr>
<td>• Support of advanced rehab offerings in our innovative neurosciences center.</td>
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<tr>
<td>• Integrated Digital medicine (remote patient monitoring) to support a high touch care model.</td>
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<tr>
<td>• Telemedicine outpatient virtual visits.</td>
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<tr>
<td>Please view our website for more information and to apply: Ochsner.org/neurorecruitment</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>311</th>
<th>The Epilepsy &amp; Pregnancy Medical Consortium (EPMC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><a href="https://epilepsypregnancy.com/">https://epilepsypregnancy.com/</a></td>
<td></td>
</tr>
<tr>
<td>The Epilepsy &amp; Pregnancy Medical Consortium (EPMC) is dedicated to empowering people with epilepsy of childbearing age to advocate for their own care and helping clinicians to successfully meet the needs of their patients with epilepsy. In a single, reliable resource (epilepsypregnancy.com), we are standardizing and clarifying the information available around pregnancy and epilepsy. This includes giving doctors the knowledge and guidance to make informed decisions about pregnancy care. The information provided addresses all aspects of pregnancy care, from contraception to prenatal planning, to breastfeeding and postpartum care, and considers the needs of both people with epilepsy and their children.</td>
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<tr>
<th>201</th>
<th>Persyst Development Corporation</th>
</tr>
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<tbody>
<tr>
<td>420 Stevens Avenue</td>
<td></td>
</tr>
<tr>
<td>Suite 210</td>
<td></td>
</tr>
<tr>
<td>Solana Beach, CA 92075</td>
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<tr>
<td><a href="http://www.persyst.com/">http://www.persyst.com/</a></td>
<td></td>
</tr>
<tr>
<td>Persyst is the worldwide leader in EEG software. As standard of care, 211 of 233 members of the National Association of Epilepsy Centers use Persyst EEG monitoring and review. Similarly, 97 of 100 top U.S. Neurology hospitals use Persyst for EEG monitoring and review. Persyst is the only EEG trending and detection software integrated, sold &amp; supported by every major EEG manufacturer.</td>
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</tr>
</tbody>
</table>
EXHIBITOR INFORMATION

302

Rhythmlink
http://www.rhythmlink.com

Rhythmlink® International, LLC designs, manufactures and distributes medical devices and provides custom packaging, private labeling, custom products and contract manufacturing to its customers. Rhythmlink is recognized as a leader within its field at providing the important physical connection between patients and the diagnostic equipment to record or elicit neurophysiologic biopotentials.

Originally founded by neurodiagnostic technicians and engineers in 2002, Rhythmlink strives to provide continuous innovation and superior quality in all of its products. Based in Columbia, SC, Rhythmlink’s advancements and improvements in technology, business development and corporate branding have brought national and international recognition.

110

RosmanSearch
30799 Pinetree Road
Suite 250
Pepper Pike, OH 44124
http://www.rosmansearch.com

RosmanSearch is a Neurosurgery, Neurology and APP recruitment firm. We place quality providers with quality practices nationwide. We are the only search firm with dedicated teams specializing in neuroscience. Our mission is to be the best, the most expert, and the one that is known for quality—every time!

306

SK Lifescience
http://www.sklifescienceinc.com

At SK Life Science, we believe there is more to life when you connect health with happiness. We are a pharmaceutical company dedicated to finding new treatments that will address the needs of those living with central nervous system disorders. Together with our parent company, SK Biopharmaceuticals, we have a pipeline of eight compounds in development in CNS and oncology. For more information, please visit us at www.SKLifeScienceinc.com. As long as there are unmet needs, we keep working.

111

Soterix Medical
https://soterixmedical.com

Soterix Medical is a global leader in Noninvasive Neuromodulation and Neuromonitoring technologies. Founded in 2008, Soterix Medical is committed to bringing the most advanced medical technology into the hands of people who need it. Soterix Medical is launching its first intraoperative monitoring solution this year called MEGA-IOM leveraging its expertise in developing highly reliable, usable, and flexible systems. MEGA-IOM provides unmatched higher amplitude, longer stimulus duration, and incorporates the best-in-class amplifier specifications. It is a one stop comprehensive solution for the operating room.

305

SpecialtyCare
3 Maryland Farms
Suite 200
Brentwood, TN 37027
http://www.specialtycareus.com

With over 1,500 clinicians supporting over 400,000 procedures annually, SpecialtyCare provides the highest quality people, services, and technology to the operating room. More than 1,000 hospitals and 13,500 physicians trust SpecialtyCare to achieve exceptional outcomes, regulatory compliance, and financial results. By maintaining the SpecialtyCare Operative Procedural Registry (SCOPE™), the largest procedural database of its kind, we identify standards, determine benchmarks, disseminate best practices, and foster innovations and efficiencies that improve patient outcomes. Accredited and certified by The Joint Commission, SpecialtyCare develops expertise beyond industry requirements. Customers trust our highly trained clinicians delivering excellence in neuro, cardiac, and surgical services.

212

Spes Medica USA
25 Storey Avenue
#118
Newburyport, MA 1950
http://www.spesmedica.com

Spes Medica has over 20 years of experience in the development and production of neurodiagnostic products. Since the company was founded in 1999, today, we have valuable experience and know-how that enable us to provide high-quality and innovative solutions. The latest production technology, together with our highly qualified staff, meets high-quality standard products appreciated by our customers throughout the world.
EXHIBITOR INFORMATION

203
Stratus
4545 Fuller Drive
Suite 100
Irving, TX 75038
http://www.stratusneuro.com
Stratus is the nation's leading supplier of EEG solutions to hospitals and private practice. We strive to make EEG testing more efficient and effective for providers. Stratus offers an array of services, technology, and proprietary web-based EEG software to meet your needs. Our large pool of registered EEG techs provide EMU and ICU EEG monitoring 24/7/365, ambulatory and routine EEG, EEG pruning and annotation, and other solutions. We also support centralized and decentralized clinical trials.

314
US Neuro
http://usneuro.net
US Neuro provides Neurodiagnostic services throughout the country currently servicing 16 states. Services include IONM, and EEG.

206
Vituity
http://www.vituity.com/careers/
For 50 years, Vituity has driven positive change in the business and practice of healthcare. All of our 5,000+ clinicians across 450 practices are essential in our mission to transform care delivery and improve lives. Learn more about rewarding neurology careers at vituity.com/careers.

210
Weaver and Company
http://weaverandcompany.com
Weaver and Company, manufacturer of Nuprep® Skin Prep Gel and Ten20®Conductive Paste was founded in Colorado, and now our products can be found in over 75 countries around the world. Nuprep lowers impedance to improve tracings. Ten20 allows electrodes to remain in place while allowing transmittance of electrical signals.

303
Neuro Supply, Inc.
http://www.neurosupply.com
Located in the heart of the technology district in Milford, OH, Consolidated Neuro Supply Inc. is a leading provider of health care products used to diagnose neurological disorders and monitor critical neurological structures during high-risk surgical procedures. With 20+ years of experience we continue to provide our customers with quality health care products while maintaining our focus on service and value. Product offerings include EMG needle electrodes, EEG electrodes, subdermal needle electrodes, pedicle screw and direct nerve stimulators.

307 – 309
Zeto, Inc
https://zeto-inc.com/
Zeto, Inc. is an award-winning, privately held medical technology company located in Santa Clara, California, that is focused on transforming the way electroencephalography (EEG) is performed at hospitals and clinics. Zeto's revolutionary FDA-cleared EEG headset and cloud platform bring the traditional EEG procedure to the 21st century.
This session is supported and programmed by Ceribell and will feature presentations on topics and technologies selected by Ceribell. CME credits are NOT available for this Product Theater.

FRIDAY, MARCH 1
12:00 - 1:00pm
Location: Tarpon, 2nd Floor

The Promise of AI in EEG Neurodiagnostics
Presented by: Ceribell
Speaker: Josef Parvizi, MD, PhD

Participants will learn about the opportunities and limitations of AI in healthcare in general and EEG interpretation in particular. The session will showcase real world stories to demonstrate how AI-powered point-of-care EEG can supplement conventional EEG practice and the impact it can have on critical care decision making at the bedside. The session will also address the problem of inter-rater variability in EEG interpretation, how AI training is affected by it, and how optimal AI designs may solve pervasive inconsistencies in the interpretation of ictal-interictal continuum cases.
SAVE THE DATE

2025 ACNS ANNUAL MEETING AND COURSES

Baltimore

Baltimore Marriott Waterfront

February 26-March 2