

2027 ACNS Annual Meeting & Courses

Seattle

Hyatt Regency Seattle | **March 6 – 9**

PRELIMINARY PROGRAM

ABOUT THE AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY (ACNS)

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

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

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Program Committee

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Joel M. Oster, MD, FACNS
Laveena Singla, MD, FACNS

GENERAL MEETING INFORMATION

About the Annual Meeting & Courses

The ACNS Annual Meeting & Courses are the Society's 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, 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.

REGISTRATION RATES

	Advanced		On-Site	
	Full Registration	Day Passes	Full Registration	Day Passes
ACNS Members♦	$800	$480	$920	$550
Non-Members♦	$1,135	$680	$1,305	$780
Fellow♦, Tech, RRC Members*	$450	$270	$500	$300
Non-Member Fellows, Tech, RRC*	$680	$410	$750	$450
Medical Students and Residents via CNP Discovery	$0	$0	$0	$0

*RRC = Reduced Rate Country. List of countries who qualify for reduced rates as defined by the World Bank.

♦ITP discount reflected in cart

Registration rates above include:

- Access to nearly 50 scientific program sessions, workshops, and courses featuring intermediate and the latest advances in Clinical Neurophysiology;
- A variety of opportunities to connect with leading experts in the field, such as panel discussions, Special Interest Group (SIG) Meet-Ups, and networking events;
- Access to the Exhibit & Poster Hall, including the Welcome Reception on Saturday, March 6; and
- Breakfast and coffee breaks are available Saturday through Tuesday, and lunch is served Saturday through Monday.

IMPORTANT DATES

Poster Abstract Submission Open . . . . October 1, 2026

Advance Registration Open . . . . . November 2026

Poster Abstract Submission Deadline . . . . . November 15, 2026

Poster Abstract Decision Notification . . . . . December 16, 2026

Housing Deadline . . . . . February 8, 2027

Advance Registration Deadline . . . . . February 25, 2027

Registration Cancellation Deadline . . February 26, 2027

CME Certificate Program Opens (pre-registered delegates) . . . . . March 6, 2027

CME Certificate Program Opens (delegates registering onsite) . . . . . March 15, 2027

CME Certificate Claim Deadline . . . . . April 15, 2027

Headquarters Hotel

Hyatt Regency Seattle
808 Howell Street
Seattle, WA 98101

Guest Room Rates

$249/night for Standard Room
Price per Additional Occupant Applied to Single Rate:
$0/night single/double occupancy
$25/night triple occupancy
$50/night quad occupancy

Rooms will be available at the group until the cut-off date of February 8, 2027, or until the block sells out, whichever occurs first. ACNS recommends booking housing as soon as your travel plans have been confirmed.

The ACNS Annual Meeting & Courses website is the ONLY ACNS-authorized system for registering for the conference or booking guest rooms at the Hyatt Regency Seattle. Should you be contacted by any group claiming to represent ACNS and urging you to book hotel rooms or register for the meeting through their services (especially at "lower" rates) please be aware that ACNS does not work through or contract with any such groups.

CONTINUING MEDICAL EDUCATION (CME) INFORMATION

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 are valuable for health care professionals who utilize clinical neurophysiology. Sessions include symposia, workshops and courses featuring didactic lectures, expert panels, 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 at 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, participants can:

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 of *21.75 AMA PRA Category I Credit(s)*™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

ASET CEUs

ACNS is in the process of applying to ASET to allow attendees to claim ASET CEUs for attendance at the Annual Meeting & Courses. More information will be made available online at https://www.acns.org/meetings/annual-meeting-and-courses/2027-annual-meeting--courses

CALL FOR POSTER ABSTRACTS

Scientific Content

The ACNS Annual Meeting is designed to provide the latest scientific advances in both central and peripheral clinical neurophysiology. Presentations at the Annual Meeting are given by leading experts in the field and provide value to health care professionals who utilize clinical neurophysiology. Poster presentations at the Annual Meeting highlight the latest work conducted at clinical neurophysiology centers around the country.

Who Should Attend

The ACNS Annual Meeting will have value for clinical neurophysiologists, neurologists, psychiatrists, physiatrists, neurosurgeons, trainees in these disciplines, other physicians and researchers, and neurophysiology technologists who specialize in clinical neurophysiology.

Submission Dates

Poster abstract submission will open on October 1, 2026. All abstracts must be submitted online by November 15, 2026, at 11:59pm ET. No exceptions will be made.

Online Abstract Submission

Poster abstracts must be submitted through the online abstract submission site. Complete instructions for submission are available online. Abstracts that have been mailed, emailed or faxed will not be accepted. Anyone may submit a poster abstract to ACNS. Membership in ACNS is not required for poster abstract submission.

Abstract Review

All abstracts submitted will be reviewed, evaluated for scholarly and relevant content, and graded in blinded fashion by the ACNS Program Committee. The review process takes approximately four weeks, and acceptance notification will be made by email no later than December 16, 2026.

Abstract Categories

Abstracts submitted to the ACNS 2027 Annual Meeting should be designated for consideration within one of the following categories to be considered for presentation:

Autonomic Function and its Disorders
Basic Neurophysiology
CNS Physiology
Critical Care Monitoring
Deep Brain and Cortical Stimulation
Digital/Quantitative EEG and Topography
EEG
EMG/NCV Testing
Epilepsy: Clinical
Epilepsy: Pathophysiology
Evoked Potentials
Functional Imaging
Intraoperative Monitoring
Magnetoencephalography
Neuromuscular Ultrasound
Other
Peripheral Nerve and Muscle Physiology
Peripheral Neuropathy
Sensory/Motor Physiology
Sleep
Stereo EEG
Video-EEG Monitoring for Epilepsy

Abstract Types

Two types of poster abstracts submissions will be accepted: Poster Abstract Regular Submission or Poster Abstract Case Report Submission. Both types of submissions will follow the same review process. Submitted abstracts are limited to 2,000 total characters. All required fields listed below, including the abstract title, will count towards this limit:

Poster Abstract Regular Submission
Introduction
Methods
Results
Conclusion

Poster Abstract Case Report Submission
Introduction
Case Report/Case History
Conclusion

Previous Publication or Presentation

Abstracts which have been published in journals, meeting proceedings, or other publications, as well as those presented at meetings prior to the ACNS meeting are eligible and welcome for submission. All poster abstracts presented at the Annual Meeting will be published in the Journal of Clinical Neurophysiology.

Poster Presentation Format

All posters at the 2027 Annual Meeting will be presented in-person, in New Orleans, Louisiana. E-poster presentations are not available. More specific details related to submission of poster materials and interactive poster tours/presentation are pending and will be provided with poster acceptance notifications.

Author Attendance Requirement

By submitting an abstract to ACNS 2027 Annual Meeting & Courses, abstract authors agree that at least one author will attend the meeting in-person and will be available to participate on the date and at the time assigned by the Program Committee. Virtual participation is not available. Authors will be notified of presentation dates and times at the time of notification of acceptance and are expected to make appropriate travel arrangements to ensure that at least one of the abstract's authors will be in attendance. All presenting authors are expected to register to attend the meeting by the deadline set forth in their acceptance notification. Abstracts for which an author is not pre-registered by the dates set forth will automatically be withdrawn from the program. Poster setup is tentatively scheduled for Saturday, March 6, 12:00 – 5:00pm and displayed Sunday, March 7 and Monday, March 8, 2027.

CALL FOR POSTER ABSTRACTS

Poster Cancellation Policy

At least one author or co-author on all posters is expected to register to attend the meeting for which they are accepted by the deadlines set forth in their acceptance notification. If this author cancels their registration prior to the meeting, the poster may be withdrawn from the program.

English Translation Review

All poster abstracts should be submitted in English. Poster abstract submitters for whom English is not a first language may request assistance from the ACNS International Relations Committee in reviewing abstract drafts for English language translation. To request translation assistance, please email the full text of your draft submission (in English) to Carrie Wegner at the ACNS Executive Office (cwegner@acns.org), allowing at least 7 days for review of the translation.

ACNS DEI Statement

ACNS strives to be a diverse and inclusive organization, in terms of race, religion, ancestry, national origin, age, gender, gender identity, marital status, parental status, sexual orientation, veteran status, membership to any labor or charitable organization, political ideology, disability or any other legally protected basis. It is the policy of ACNS to provide equal opportunities to all eligible persons.

Likewise, ACNS strives to maintain diverse and inclusive representation reflective of the breadth of expertise and practice settings within the clinical neurophysiology community.

Resident & Fellow Symposium and Featured Case Consideration

Those submitting Poster Abstract Case Reports may indicate during the submission process that they'd like to be considered for the Resident & Fellow Symposium and/or to be a Featured Case in the ACNS Newsletter. Submissions are open to all trainees in their residency or fellowship years.

The Resident & Fellow Symposium is tentatively scheduled for Monday, March 8 at 8:00am. The Resident & Fellow Education Committee will select finalists from among submitted case reports and will request brief (10-15 slide) presentations be submitted for review in December. Final selections for the symposium will be made, and submitters notified no later than January 18, 2027. Presenters must attend the Annual Meeting and present in-person at the symposium.

YOUNG INVESTIGATOR TRAVEL AWARDS

Several young physician investigators will be selected for these awards based upon the ranking of the applicant's abstract by the Program Committee.

Eligibility Criteria

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

Selection

Awardees will be chosen based on the quality of submitted abstracts, as ranked by the ACNS Program Committee. A total of six Travel Awards will be granted for the ACNS 2027 Annual Meeting & Courses.

Procedures

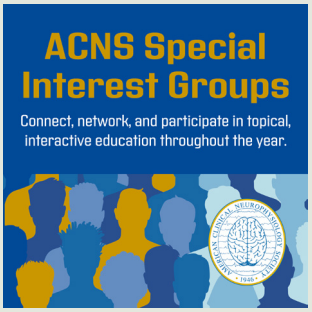
Upon close of abstract submission, the ACNS Program Committee will review, evaluate, and rank abstracts, including all candidates for consideration to receive an award. The Program Committee Co-Chairs will select the final six awardees based on the collective rankings from the Program Committee. ACNS will notify awardees of a decision no later than December 16, 2026. Awardees will then be expected to accept the invitation by the deadlines set forth in their acceptance notifications, as well as register for the Annual Meeting.

Cancellation Policy

Award recipients are expected to register to attend the Annual Meeting by the deadlines set forth in their acceptance notification. If an award recipient cancels their registration prior to the meeting or fails to register by the deadline, the Travel Award may be withdrawn from the individual and designated to another candidate.

SOCIAL & NETWORKING EVENTS

Special Interest Group (SIG) Meet-Ups



ICU EEG, NIOM and Stereo EEG
Saturday, March 6
1:00 - 2:00pm

Business of CNP and CNNE
Monday, March 8
1:00 - 2:00pm

Come learn about the ACNS SIGs in Stereo EEG, NIOM, ICU EEG, the Business of Clinical Neurophysiology and new this year, Computational Neurophysiology and Neural Engineering (CNNE)! Hear about what they have planned in the coming months as they offer key educational content and networking opportunities throughout the year.

Welcome Reception

Saturday, March 6, 2027
5:30 – 6:30pm
ACNS invites all delegates for drinks and hors d'oeuvres at the Welcome Reception in the Exhibit & Poster Hall on Saturday, March 6.

Professional Development Mentorship Program

Open only to ACNS members, the Professional Development Mentorship Program is an opportunity to network with some of the best neurophysiologists in the world during and after the ACNS Annual Meeting.

The goals of the program are to:

- Foster career development in Clinical Neurophysiology;
- Encourage active participation in the many activities of ACNS; and
- Facilitate networking among ACNS members.

Participants may sign up to serve as mentors or as mentees requesting a mentor when they register to attend the ACNS Annual Meeting. Mentors and mentees will be matched prior to the Annual Meeting and will be introduced to one another via email and are then free to correspond directly.

CNP Discovery

Friday, March 5, 2027
5:00 – 8:00pm
The American Clinical Neurophysiology Society (ACNS) is pleased to invite neurology residents and medical students to participate in CNP Discovery, a new program taking place at the 2027 Annual Meeting & Courses.

This program introduces residents to Clinical Neurophysiology (CNP) and the wide range of career opportunities it presents through a focused educational session and the chance to network with peers, fellows, and established members of ACNS.

All medical students and residents will be provided with **complimentary registration** to the Annual Meeting & Courses to participate in CNP Discovery.

CNP Discovery will provide insights and answer questions about:

- What is Clinical Neurophysiology?
- A Day in the Life of a CNP Fellow / Clinical Neurophysiologist

The journey continues with a networking reception immediately following the session. Mingle with fellows, faculty and ACNS leaders to keep asking questions, get to know different paths, and make new connections within the world of CNP.

To be eligible for complimentary Annual Meeting & Courses registration, students and residents should create an ACNS account and provide residency program information and graduation year prior to registering for the meeting.

DONATE MORE, COLLECT ALL FOUR!

Strategic Fund donations during the 2027 Annual Meeting & Courses registration period will earn contributors a series of Seattle-themed pins, presented on-site. The more you donate, the more pins you collect. Stack all four Seattle pins with a gift of $500 or more, then wear them proudly on your badge or lanyard!



EEG-SALMON:

Donations from $50-99



COFFEE KRAKEN:

Donations from $100-249



GENERAL SESSION SASQUATCH:

Donations from $250-499



PUPPY PIN:

Donations of $500 or more

Includes the option to cut to the front of the line for the Annual Meeting Puppy Hour, open Sunday and Monday during the lunch hour in the Exhibit Hall.

Puppy Hour

Sunday March 8, 1:00 - 2:45pm

Monday, March 9, 1:00 - 2:15pm

Join us in the Exhibit Hall as we welcome puppies from Motley Zoo Animal Rescue, a Seattle-area animal shelter! Puppies will be available for Annual Meeting attendees to enjoy some puppy cuddles. Up to four people can play with the puppies at a time, in five-minute increments on a first-come-first-served basis. Making a $500 or more donation to ACNS during the registration period will award you the Puppy Pin and give you the option to cut to the front of the line to pet the pups. It will be a tail-waggin' good time!



AWARD LECTURES & RECIPIENTS

The ACNS Awards Committee, chaired by Nicholas S. Abend, MD, MSCE, FACNS, is pleased to announce the following recipients of ACNS's 2027 awards who will be recognized at the upcoming Annual Meeting in Seattle, Washington.

Herbert H. Jasper Award



Ronald Emerson, MD, FACNS
The Herbert H. Jasper Award is presented annually to an individual who has made a lifetime of outstanding contributions to the field of clinical neurophysiology. Dr. Emerson will be recognized and will deliver the 2027 Jasper Lecture, paired with the Annual Business Meeting on Monday, March 8, 2027.

Pierre Gloor Award



Aatif M. Husain, MD, MBA, FACNS
The Pierre Gloor Award is presented annually for outstanding current contributions to clinical neurophysiology research. Dr. Husain will be recognized and will deliver the 2027 Gloor Lecture on Sunday, March 7, 2027.

Robert S. Schwab Award



Gloria M. Galloway, MD, MBA, FACNS
The Robert S. Schwab Award is presented annually to an individual who has made significant contributions in clinical neurophysiology. Dr. Galloway will be recognized and will deliver the 2027 Schwab Lecture on Sunday, March 7, 2027.

Marc R. Nuwer Service Award



Suzette M. LaRoche, MD, FACNS
The Marc R. Nuwer Service Award is presented annually to an individual in recognition of outstanding service to ACNS and its members, including non-scientific contributions. Dr. LaRoche will be recognized during the Annual Business Meeting on Monday, March 8, 2027.

ACNS Distinction in Teaching Award



Elizabeth Gerard, MD, FACNS
The Distinction in Teaching Award was created to recognize a mid-career ACNS member for outstanding accomplishments in teaching clinical neurophysiology to fellows, residents, medical students, or EEG technologists. Dr. Gerard will be recognized during the Annual Business Meeting on Monday, March 8, 2027.

ACNS Distinction in Service Award



Clio A. Rubinos, MD, FACNS
The Distinction in Service Award was created to recognize a mid-career ACNS member who has demonstrated outstanding service to the field of clinical neurophysiology at the institutional or national level. Dr. Rubinos will be recognized during the Annual Business Meeting on Monday, March 8, 2027.

Presidential Address



Courtney J. Wusthoff, MD, MS, FACNS
Saturday, March 6, 2027
11:30am – 1:00pm

Dr. Wusthoff will deliver the 2027 Presidential Address during the Annual Meeting and Courses opening General Session on Saturday, March 6, 2027.

SCHEDULE AT A GLANCE

SATURDAY, MARCH 6, 2027	
7:00 – 8:00am	**Breakfast**
8:00 – 9:30am	**411: Course: Introduction to Clinical Magnetoencephalography (MEG)** *Course Director: Jeffrey Tenney, MD, PhD, FACNS*
8:00 – 11:15am	**412: ICU EEG - Part I** *Course Directors: Shavonne L. Massey, MD, MSCE, FACNS and Fabio Nascimento E. Silva, MD, FACNS*
	413: Course: Stereo EEG — Cingulate Epilepsy - Part I *Course Directors: Jaysingh Singh, MD and Sandipan Pati, MD*
	414: NIOM — Part I *Course Directors: Mirela V. Simon, MD, MSc, FACNS and Tatsuya Oishi, MD, FACNS*
9:30 – 9:45am	**Coffee Break**
9:45 – 11:15am	**421: Course: The Business of Clinical Neurophysiology: Building Scalable EEG, IOM, and Tele-Neurophysiology Programs** *Course Directors: Yafa Minazad, DO, MMM, FACNS and Abdullah Alshammaa, MD*
11:15 – 11:30am	**Walking Break**
11:30am –1:00pm	**General Session: Young Investigator Travel Award Presentation | Presidential Address**
1:00 – 2:15pm	**Lunch**
	Special Interest Group (SIG) Meet-Ups NON CME ICU EEG NIOM Stereo EEG
2:15 – 3:45pm	**441: Course: Ambulatory EEG Workshop** *Course Directors: Aline Herlopian, MD and William O. Tatum, IV, DO, FACNS*
2:15 – 5:30pm	**442: Course: ICU EEG — Part II** *Course Directors: Shavonne L. Massey, MD, MSCE, FACNS and Fabio Nascimento E. Silva, MD, FACNS*
	443: Course: Stereo EEG — Cingulate Epilepsy — Part II *Course Directors: Jaysingh Singh, MD and Sandipan Pati, MD*
	444: Course: NIOM — Part II *Course Directors: Mirela V. Simon, MD, MSc, FACNS and Tatsuya Oishi, MD, FACNS*
3:45 – 4:00pm	**Coffee Break**
4:00 – 5:30pm	**451: Program Director's Symposium: Building the Future of Clinical Neurophysiology: Recruitment, Training, and Academic Advancement** *Session Directors: Katie L. Bullinger MD, PhD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS*
5:30 – 6:30pm	**Welcome Reception**

SCHEDULE AT A GLANCE

SUNDAY, MARCH 7, 2027	
7:00 – 8:00am	**Breakfast**
8:00 – 9:30am	**511: Course: Sleep Medicine Year in Review 2027: What Clinical Neurophysiologist Need to Know** *Course Director: Madeline M. Grigg-Damberger, MD, FACNS, FAES, FASSM*
	512: Course: The Motor Evoked Potential: Basic and Applied Concepts *Course Director: Jonathan A. Norton, PhD, FACNS*
	513: Pediatric EMG: The Challenges, Pitfalls, and Fun *Session Director: Jennifer L. McKinney, MD, FACNS*
	514: SEEG Implantation Strategy in Epileptic Patients: Illustrative Case Discussions *Session Director: Jun T. Park, MD, FACNS*
9:30 – 9:45am	**Coffee Break**
9:45 – 11:15am	**521: Bridging the Gap: MEG and SEEG as a Unified Presurgical EZ localization in Drug-Resistant Epilepsy** *Session Directors: Thandar Aung, MD, MS and Andrew J. Zillgitt, DO, FACNS, FAES*
	522: Neuromodulation Meets Quantitative EEG: Mapping Excitability, Connectivity, and Closed-Loop Therapy *Session Directors: Marcus Ng, MD, FRCPC, CSCN (EEG), FACNS; Giovanni Pellegrino, MD, PhD, FACNS and Sandipan Pati, MD*
	524: Signal Matters: Practical IONM Optimization from Brainstem to Roots *Session Directors: Elayna Rubens, MD, FACNS and Eva K. Ritzl, MD, MBA, FACNS*
	523: Research Highlights
	525: Continuous Muscle Fiber Activity Syndromes: Beyond the Stiff-Person Syndrome *Session Directors: Devon Rubin, MD, FACNS and Ignacio Regidor, MD, PhD*
11:15 – 11:30am	**Walking Break**
11:30am – 1:00pm	**General Session: Gloor Award Presentation & Lecture | Schwab Award Presentation & Lecture**
1:00 – 2:45pm	**Lunch**
	Puppy Hour
1:00 – 2:30pm	**541: Career Development Panel: Mentorship, Leadership, Entrepreneurship, and Team-Based Career Advancement in Clinical Neurophysiology** NON CME *Session Directors: Zubeda B. Sheikh, MD, MSCTS, FACNS and Fahd Sultan, MD, FACNS*
2:45 – 6:00pm	**551: Course: Neurostimulation Workshop** *Course Directors: Shruti Agashe, MD, MS-BME, Pegah Afra, MD, FACNS, FAES, FAAN, FANA and Jessica Falco-Walter, MD*
2:45 – 4:15pm	**552: First Seizure Clinic: Optimizing Neurophysiologic Evaluation and Healthcare Utilization** *Session Directors: Elizabeth Gerard, MD, FACNS and Cody Nathan, MD*
	553: Interpreting Neurophysiologic Data in the Context of Brain Tumors: Case-Based Discussions *Session Directors: Brin Freund, MD and Jessica W. Templer, MD*
	554: The Intraoperative Peripheral Nerve Monitoring Toolbox: Underutilized Techniques and Misunderstood Signals *Session Directors: Eric J. Mariuma, MD and Jessica Nance, MD*
4:15 – 4:30pm	**Coffee Break**
4:30 – 6:00pm	**561: Viewpoints in Intraoperative Neuromonitoring** *Session Directors: Khalil S. Husari, MD and Tatsuya Oishi, MD, FACNS*
	562: ACNS Equity Symposium *Session Directors: Sasha Alick-Lindstrom, MD, MPH FACNS, FAES, FAAN and Sarah E. Schmitt, MD, FACNS*
	563: When AI Backfires: Global, Legal, and Training Pitfalls in Clinical Neurophysiology *Session Director: Aatif Husain, MD, MBA, FACNS*

SCHEDULE AT A GLANCE

MONDAY, MARCH 8, 2027	
7:00 – 8:00am	**Breakfast**
8:00 – 9:30am	**611: Clinical Neurophysiology Resident and Fellow Symposium** *Session Directors: Katie L. Bullinger, MD, PhD, FACNS and Denise Chen MD, FACNS*
	612: Intraoperative Neurophysiological Monitoring of Spinal Cord Tumor Surgeries (ACNS/Spanish Society for Clinical Neurophysiology (SENFC) Joint Symposium) *Session Directors: Victoria Fernández, MD, PhD, FACNS and Lidia Cabañes-Martínez, MD, FACNS*
	613: Plexus and Peripheral Nerve Injuries: What a Clinical Neurophysiologist Should Know *Session Director: Andres De Leon, MD*
	614: From Expert Disagreement to Algorithmic Consistency: AI for EEG Interpretation *Session Directors: Nicholas S. Abend, MD, MSCE, FACNS and Craig A. Press, MD, PhD*
9:30 – 9:45am	**Coffee Break**
9:45 – 11:15am	**621: EEG Monitoring to Optimize Outcomes of Critically Ill Neonates** *Session Director: Shavonne L. Massey, MD, MSCE, FACNS*
	622: JCN Articles of the Year *Session Director: Stephan U. Schuele, MD, MPH, FACNS, FAAN*
	623: Neuromonitoring in Minimally Invasive and Lateral Access Spine Surgery *Session Directors: Daniel Vitantonio, MD and Lidia Cabañes-Martínez, MD, FACNS*
	624: The Gig's Up: How to Adapt to a Changing Health Care Climate by Establishing Your Own Business *Session Directors: Pegah Afra, MD, FACNS, FAES, FAAN, FANA and Matthew W. Luedke, MD, FACNS*
11:15 – 11:30am	**Walking Break**
11:30am – 1:00pm	**General Session: ACNS Annual Business Meeting | Jasper Award Presentation & Lecture** NON CME
1:00 – 2:15pm	**Lunch**
	Puppy Hour
	Special Interest Group (SIG) Meet-Ups NON CME Business SIG CNNE SIG
2:15 – 3:45pm	**641: Baby Unicorns and Teenage Zebras: Because Pediatric IONM is Never a Horse** *Session Directors: Katherine M. Anetakis, MD, FACNS and Christine Hung, MD, FACNS*
	642: Building a Qualified Neurodiagnostic Workforce to Support Clinical Neurophysiology Practice *Session Directors: Magdalena Warzecha, BS, R,.EEG/EP T, CLTM, NA-CLTM, FASET and Meriem Bensalem-Owen, MD, FACNS*
	643: Course: Botulinum Toxin Treatment Under EMG and Ultrasound Guidance: Hands-On Workshop *Course Director: Jaime R. López, MD, FACNS*
	644: The Many Faces of Temporal Lobe Epilepsy: Distinct Electrophysiological Phenotypes, Networks, and Surgical Implications *Session Directors: Ammar Kheder, MD, FACNS and Thandar Aung, MD, MS*

SCHEDULE AT A GLANCE

TUESDAY, MARCH 9, 2027	
7:00 – 8:00am	**Breakfast**
8:00 – 9:30am	**711: Beyond the Stimulator: A New Era of Cortical Mapping** *Session Directors: Matt Hoffman, DO, PhD, FACNS and Nuri Ince, PhD*
	713: Beyond Seizure Diaries *Session Director: Brian Lundstrom, MD, PhD, FACNS*
	714: Recognizing Seizure Semiology From Ictal Scalp-EEG Analysis: A Sherlock Holmes' Approach *Session Director: Neel Fotedar, MD*
9:30 – 9:45am	**Coffee Break**
9:45 – 11:15am	**721: Course: Value and Prognosis of Scoring Sleep and Breathing in Intensive Care Unit, Epilepsy Monitoring Unit and Intracranial StereoEEG** *Course Director: Madeleine M. Grigg-Damberger, MD, FACNS, FAES, FAASM*
	722: From Signal Change to Surgical Action: Real-Time IONM Interpretation Through Interactive Cases *Session Directors: Jonathan A. Norton, PhD, FACNS and Justin W. Silverstein, DHSc, FASNM, FASET*
	723: Non-Invasive Evoked Responses for Functional Mapping and Clinical Practice *Session Director: Brian Lundstrom, MD, PhD, FACNS*

SATURDAY, MARCH 6, 2027

7:00 – 8:00am

Breakfast

8:00 – 9:30am

411: Course: Introduction to Clinical Magnetoencephalography (MEG)

Director: Jeffrey R. Tenney, MD, PhD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain 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 Introduction
Jeffrey R. Tenney, MD, PhD, FACNS

8:05am How is it Different From EEG? — MEG Physics and Physiology
Elizabeth M. Davenport, PhD

8:30am When to Order MEG? — Ten Common, Evidence Supported Indications for MEG in Epilepsy Surgery
Andrew J. Zillgitt, DO, FACNS, FAES

8:55am What Should I Expect? - MEG Source Localization and Reporting
Clifford Calley, MD

9:20am Discussion
Jeffrey R. Tenney, MD, PhD, FACNS

8:00 – 11:15am Concurrent Sessions

412: Course: ICU EEG

Directors: Shavonne L. Massey, MD, MSCE, FACNS and Fabio Nascimento E. Silva, MD, FACNS

Learning Objectives: To be determined

8:00am EEG-Informed Management of Critically Ill Neonates
Janette A. Mailo, MD, PhD, FACNS

8:25am Periodic Patterns, Seizures, and Status Epilepticus in Critically Ill Children: Identification, Management, and Implications
Nicholas A. Abend, MD, MSCE, FACNS

8:50am FIRES/NORSE: A Clinical Review
Raquel Farias-Moeller, MD

9:15am Discussion

9:30am Break

9:45am ICU EEG Terminology: Impact of Background Features on Clinical Practice
Adam S. Greenblatt, MD

10:10am ICU EEG Terminology: Management of Peri-Ictal Patterns
Adriana Bermeo-Ovalle, MD, FACNS, FAES, FAAN

10:35am Integration of AI with Human Expertise in ICU EEG Interpretation
Jin Jing, PhD

11:00am Discussion

SATURDAY, MARCH 6, 2027

413: Course: Stereo EEG - Cingulate Epilepsy - Part I

Directors: Jaysingh Singh, MD and Sandipan Pati, MD

Learning Objectives:

1. Design an SEEG implantation strategy for suspected cingulate epilepsy;
2. Interpret SEEG findings to identify cingulate seizure onset and propagation networks;
3. Use cortical stimulation to refine localization and functional mapping; and
4. Integrate SEEG findings to guide surgical or neuromodulation treatment decisions.

8:00am Introduction
Jaysingh Singh, MD

8:05am When to Suspect Cingulate Epilepsy
Imad Najm, MD

8:30am Surgical Anatomy and Implantation Techniques for Cingulate Exploration
Jorje A. Gonzalez-Martinez, MD

8:55am Case Discussion - Building the SEEG Hypothesis
Stephan U. Schuele, MD, MPH, FACNS, FAAN

9:15am Discussion

9:30am Break

9:45am Introduction

9:50am Interictal and Ictal SEEG Features of Cingulate Epilepsy
Jay R. Gavvala, MD, MSCI, FACNS, FAES

10:15am Electrical Stimulation for Seizure Induction and Functional Mapping
Ravindra Arya, MD, DM, FACNS

10:40am Case Discussion - Interpretation of SEEG Data
Ramya Raghupathi, MD, FACNS

11:00am Discussion

414: Course: Neurophysiologic Intraoperative Monitoring (NIOM)

Directors: Course Directors: Mirela V. Simon, MD, MSc, FACNS and Tatsuya Oishi, MD, FACNS

Learning Objectives: To be determined

8:00am Intraoperative Neurophysiologic Mapping and Monitoring in Posterior Fossa Surgery-Surgery Specific Considerations
Mirela V. Simon, MD, MSc, FACNS

8:25am Anterior/Middle Fossa Surgery Monitoring (VEP, Trigeminal SSEPs, CN 346)
Dinesh G. Nair, MD, PhD, FACNS, M.B.B.S., M.Tech

8:50am Brainstem Reflexes
Alba Diaz Baamonde, MD

9:15am Discussion

9:30am Break

9:45am Cortical and Subcortical Sensory/Motor Mapping Techniques
Tatsuya Oishi, MD, FACNS

10:10am Anatomical-Functional Boundaries in Supratentorial Surgery- Protecting Cognitive Functions
Silvia Mazzali-Verst, MD, PhD, FACNS

10:35am Language Testing Workflow
TBD

11:00am Discussion

9:30 – 9:45am

Coffee Break

SATURDAY, MARCH 6, 2027

9:45 – 11:15am

421: Course: The Business of Clinical Neurophysiology: Building Scalable EEG, IOM, and Tele-Neurophysiology Programs

Directors: Yafa Minazad, DO, MMM, FACNS and Abdullah Alshammaa, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Compare major clinical neurophysiology practice models and select an appropriate structure for EEG and IOM services and develop a framework for implementing efficient EEG and IOM service lines;
2. Identify key reimbursement and coding risks in EEG and IOM workflows and apply strategies to improve compliance and financial performance; and
3. Design an operational model integrating in person and tele neurophysiology services, including staffing, scheduling, and workflow considerations.

9:45am	Introduction *Abdullah Alshammaa, MD*
9:50am	Operationalizing Clinical Neurophysiology: Integrating In Person and Telehealth Practice Models *Yafa Minazad, DO, MMM, FACNS*
10:15am	Reimbursement, Coding, and Compliance Across EEG and IOM *Marc R. Nuwer, MD, PhD, FACNS*
10:40am	Designing and Advancing IOM Programs: From Guidelines to Surgical Impact *Jaime R. López, MD, FACNS*
11:05am	Discussion *Abdullah Alshammaa, MD*

11:15 – 11:30am

Walking Break

11:30am – 1:00pm

General Session: Young Investigator Travel Award Presentation | Presidential Address

1:00 – 2:15pm

Lunch

Special Interest Group (SIG) Meet-Ups NON CME

Learn about the ACNS ICU EEG, Stereo EEG and NIOM SIGs. Hear about what they have planned in the coming months as they offer key educational content throughout the year. See page 8 for complete information.

2:15 – 3:45pm

441: Course: Ambulatory EEG Workshop

Directors: Aline Herlopian, MD and William O. Tatum, IV, DO, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Compare traditional video-EEG against wearable platforms to select appropriate monitoring for complex patient populations;
2. Evaluate AI and next-generation seizure detection algorithms to establish appropriate clinical trust in ambulatory EEG workflows; and
3. Apply evidence-based reasoning to challenging ambulatory EEG cases using wearable technologies and AI-assisted tools for clinical decision-making.

2:15pm	Introduction *William O. Tatum, IV, DO, FACNS*
2:20pm	From Traditional Long-Term Monitoring to Wearable Technologies *David King-Stephens, MD*
2:45pm	Leveraging Artificial Intelligence to Support AEEG Workflow and Manage Increasing Outpatient Volume *Jin Jing, PhD*
3:10pm	Challenging AEEG Cases from Clinical Practice *Fabio A. Nascimento E. Silva, MD FACNS*
3:35pm	Discussion *Aline Herlopian, MD*

SATURDAY, MARCH 6, 2027

2:15 – 5:30pm Concurrent Sessions

442: Course: ICU EEG

Directors: Shavonne L. Massey, MD, MSCE, FACNS and Fabio Nascimento E. Silva, MD, FACNS

Learning Objectives: To be determined

2:15pm Assessment of Consciousness in the ICU
Brian Appavu, MD

2:40pm Reactivity Testing in the ICU
Jaeho Hwang, MD, MPH

3:05pm Cardiac Arrest: Prediction of Outcomes Utilizing EEG Features
Michael J. van Putten, MD, MSc, PhD

3:30pm Discussion

3:45pm Break

4:00pm Multimodal Monitoring: A Case-Based Approach
Brandon Foreman, MD, MS, FACNS, FNCS

4:25pm QEEG: A Case-Based Approach
Rejean M. Guerriero, DO, FACNS

4:50pm Rapid EEG: A Case-Based Approach
Lawrence J. Hirsch, MD, FACNS

5:15pm Discussion

443: Course: Stereo EEG - Cingulate Epilepsy - Part II

Directors: Jaysingh Singh, MD and Sandipan Pati, MD

Learning Objectives:

1. Design an SEEG implantation strategy for suspected cingulate epilepsy;
2. Interpret SEEG findings to identify cingulate seizure onset and propagation networks;
3. Use cortical stimulation to refine localization and functional mapping; and
4. Integrate SEEG findings to guide surgical or neuromodulation treatment decisions.

2:15pm Introduction
Sandipan Pati, MD

2:20pm Defining the Epileptogenic Zone in Cingulate Epilepsy
Melissa Asmar, MD

2:45pm Application of Quantitative SEEG Signal Analysis for Mapping the Epileptogenic Zone
Birgit Frauscher, MD, PhD, FACNS, FAES

3:10pm Case Presentation
Nirav Barot, MD, MPH

3:30pm Discussion

3:45pm Break

4:00pm Integrating SEEG Data into Surgical Decision-Making
Patrick Landazuri, MD

4:25pm When to Select Neuromodulation and Choosing the Appropriate Target
Thandar Aung, MD, MS

4:50pm Case Discussion - Surgical Decision-Making
Chaitanya Ganne, MD, PhD

5:05pm Case Discussion - Neuromodulation Strategy
Dipali Nemade, MD, PhD

5:20pm Discussion

SATURDAY, MARCH 6, 2027

444: Course: Neurophysiologic Intraoperative Monitoring (NIOM)

Directors: Mirela V. Simon, MD, MSc, FACNS and Tatsuya Oishi, MD

Learning Objectives: To be determined

2:15pm	Cerebrovascular Cases *Elayna Rubens, MD, FACNS*
2:40pm	Multimodality Monitoring for Surgical Interventions of Great Vessels + Aorta *Felix Chang, MD FACNS*
3:05pm	Complex Spine Cases (Spine Column Surgery, Chordoma, Conus/Cauda Equina) *Stan A. Skinner, MD, FACNS*
3:30pm	Discussion
3:45pm	Break
4:00pm	Safety in NIOM *Nicholas Meyers, MD*
4:25pm	Billing in NIOM *Marc R. Nuwer, MD, PhD, FACNS*
4:50pm	How to Do Good Remote Monitoring *Greg A. Schaublin, MD*

3:45 – 4:00pm

Coffee Break

4:00 – 5:30pm

451: Program Director's Symposium: Building the Future of Clinical Neurophysiology: Recruitment, Training, and Academic Advancement

Directors: Katie L. Bullinger MD, PhD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS

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

1. Identify current challenges and opportunities in recruitment and retention within clinical neurophysiology;
2. Discuss the role, benefits, and limitations of non-accredited and advanced fellowship pathways in clinical neurophysiology; and
3. Develop strategies for building a strong teaching portfolio to support academic promotion and career advancement of program directors.

4:00pm	Introduction *Katie L. Bullinger MD, PhD, FACNS*
4:05pm	Recruitment and Retention in Clinical Neurophysiology: Fellowship and Beyond *Sarah E. Schmitt, MD, FACNS*
4:30pm	Non-Accredited and Advanced Fellowship Pathways in Clinical Neurophysiology: Role and Challenges *David Burkholder, MD*
4:55pm	Developing a Teaching Portfolio for Promotion in Clinical Neurophysiology *Ioannis Karakis, MD, PhD, MSc, FACNS*
5:20pm	Discussion *Zubeda B. Sheikh, MD, MSCTS, FACNS*

5:30 – 6:30pm

Welcome Reception

SUNDAY, MARCH 7, 2027

7:00 – 8:00am

Breakfast

8:00 – 9:30am Concurrent Sessions

511: Course: Sleep Medicine Year in Review 2027: What Clinical Neurophysiologist Need to Know

Course Director: Madeline M. Grigg-Damberger, MD, FACNS, FAES, FASSM

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Discuss latest neurophysiology research, shedding light into the complex bidirectional interactions between sleep and epilepsy;
2. List the latest developments in the impact of sleep and sleep disordered breathing in epilepsy, stroke, dementia, neuromuscular disorders, and neurodegeneration; and
3. Explain the latest advances in diagnosis, evaluation and treatment of central hypersomnias.

8:00am Latest Developments in Sleep and Epilepsy, 2027 Year in Sleep Review
Birgit Frauscher, MD, PhD, FACNS, FAES

8:25am Cyclic EEG Patterns and their Relationship with the Autonomic Nervous System
Nancy Foldvary-Schaefer, DO, MS, FAAN, FACNS, FAASM, FAES

8:50am Best Studies on Impact of Sleep in Neurological Disorders, 2027 Year in Sleep Review
Madeline M. Grigg-Damberger, MD, FACNS, FAES, FASSM

9:15am Discussion
Madeline M. Grigg-Damberger, MD, FACNS, FAES, FASSM

512: Course: The Motor Evoked Potential: Basic and Applied Concepts

Director: Jonathan A. Norton, PhD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain the pathways involved in eliciting a MEP in both the awake and asleep patient;
2. Discuss a variety of techniques for facilitating the MEP; and
3. Identify some of the safety considerations with eliciting a MEP.

8:00am Facilitating the MEP
Jonathan A. Norton, PhD, FACNS

8:25am Safety Considerations when Eliciting a MEP
James Watt

8:50am MEP Pathways
Mark R. Baker, MB, Bchir, MA, PhD, FRCP

9:15am Discussion
Jonathan A. Norton, PhD, FACNS

513: Pediatric EMG: The Challenges, Pitfalls, and Fun

Director: Jennifer L. McKinney, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Utilize their knowledge of technical, physiologic, pathophysiologic, and psychosocial factors to evaluate a pediatric patient in the EMG laboratory;
2. Identify neurophysiologic characteristics of patients with common and unique neuromuscular diseases encountered in the pediatric population and describe key findings that are associated with these conditions; and
3. Interpret EMG and nerve conduction study results in light of a patient's age and clinical picture.

8:00am The Basics of Pediatric Nerve Conduction Studies and EMG: Things To Know When Studying Pediatric Patients
Jennifer L. McKinney, MD, FACNS

8:25am Neurophysiologic Evaluation and Characteristics of Common or Unique Pediatric Neuromuscular Conditions
Megan A. Waldrop, MD

8:50am Interesting Cases from the Pediatric EMG Lab
Laura K. Lamberta, DO

9:15am Discussion
Jennifer L. McKinney, MD, FACNS

SUNDAY, MARCH 7, 2027

514: SEEG Implantation Strategy in Epileptic Patients: Illustrative Case Discussions

Director: Jun T. Park, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Explain how a hypothesis of epileptogenic zone is formulated using the concepts of the 5 other zones;
2. Discuss how a hypothesis of epileptogenic zone is used to strategize intracerebral electrode placements; and
3. List the concepts of SEEG.

8:00am Introduction: Review of the Guiding Principles in the Use of SEEG
Jun T. Park, MD, FACNS

8:05am Illustrative Case Discussion 1
Laurence Martineau, MD

8:30am Illustrative Case Discussion 2
Roohi Katyal, MD

8:55am Illustrative Case Discussion 3
Neel Fotedar, MD

9:20am Discussion of Epileptogenic Zone & 5 Other Zones and their Application to Formulate Hypothesis of Epileptogenic Zone
Jun T. Park, MD, FACNS

9:30 – 9:45am

Coffee Break

9:45 – 11:15am Concurrent Sessions

521: Bridging the Gap: MEG and SEEG as a Unified Presurgical EZ localization in Drug-Resistant Epilepsy

Directors: Thandar Aung, MD, MS and Andrew J. Zillgitt, DO, FACNS, FAES

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify the clinical scenarios in which MEG provides non-redundant presurgical information that should precede or directly inform SEEG implantation planning;
2. Describe SEEG-derived epileptogenicity biomarkers, including neuronal criticality, inter-areal synchrony, and probabilistic epileptogenic network modeling, and explain their translational implications for MEG source imaging; and
3. Apply a structured MEG-informed SEEG workflow to the presurgical evaluation of patients with drug-resistant focal epilepsy, including when results are concordant versus discordant.

9:45am Introduction
Thandar Aung, MD, MS

9:50am EG as the Non-Invasive First Step - Evidence, Indications, and What Is Lost When It Is Skipped
Andrew J. Zillgitt, DO, FACNS, FAES

10:15am SEEG Biomarkers of Epileptogenicity and the Road to MEG Translation
Paul Ferrari, PhD

10:40am From Evidence to Bedside: A MEG-Informed SEEG Workflow with Case Illustrations
Jay R. Gavvala, MD, MSCI, FACNS, FAES

11:05am Discussion
Thandar Aung, MD, MS

SUNDAY, MARCH 7, 2027

522: Neuromodulation Meets Quantitative EEG: Mapping Excitability, Connectivity, and Closed-Loop Therapy

Directors: Marcus C. Ng, MD, FRCPC, CSCN (EEG), FACNS; Giovanni Pellegrino, MD, PhD, FACNS and Sandipan Pati, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe how high-definition tDCS modulates EEG connectivity and oscillatory dynamics, and identify quantitative EEG metrics applicable to monitoring neuromodulation effects in a variety of neurological and neuropsychiatric conditions;
2. Explain how brain stimulation paradigms (TMS, tDCS, direct cortical stimulation) combined with EEG and sEEG yield measures of cortical excitability and their clinical utility in epilepsy characterization and treatment monitoring; and
3. Evaluate the evidence for qEEG and thalamic LFP biomarkers in sensing-enabled deep brain stimulation for drug-resistant epilepsy, and appraise their potential to guide individualized, adaptive neuromodulation strategies in clinical practice.

9:45am Introduction
Marcus C. Ng, MD, FRCPC, CSCN (EEG)

9:50am High-Definition Transcranial Direct Current Stimulation and EEG Connectivity: Probing and Reshaping Brain Networks in Status Epilepticus
Marcus C. Ng, MD, FRCPC, CSCN (EEG)

10:15am Cortical Excitability and Excitation/Inhibition Balance Assessed by Brain Stimulation, EEG, and sEEG: Biomarkers from Bench to Bedside
Giovanni Pellegrino, MD, PhD, FACNS

10:40am Reading the Thalamus: Quantitative EEG and Local Field Potential Biomarkers for Monitoring and Optimizing Deep Brain Stimulation in Epilepsy
Sandipan Pati, MD

11:05am Discussion
Marcus C. Ng, MD, FRCPC, CSCN (EEG)

523: Research Highlights

The Research Committee will select from submitted Poster Abstracts, highlighting the top 3-4 research papers submitted to this year's Annual Meeting. See the Call for Poster Abstracts on pages 6-7 for complete information on how to submit!

524: Signal Matters: Practical IONM Optimization from Brainstem to Roots

Directors: Elayna Rubens, MD, FACNS and Eva K. Ritzl, MD, MBA, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify common technical, physiologic, and pathologic causes of suboptimal signals in BAEPs, corticobulbar MEPs, and MEPs for nerve root monitoring;
2. Apply modality specific frameworks to optimize signal acquisition and improve the reliability of signals intraoperatively; and
3. Distinguish clinically significant variability in signals from artifact, anesthetic effect, or other factors.

9:45am Introduction
Eva K. Ritzl, MD, MBA, FACNS

9:50am Brainstem Auditory Evoked Potential Optimization
Elayna Rubens, MD, FACNS
Yinchen Song, PhD, MPH, CNIM, FAES, FACNS

10:15am Optimizing Corticobulbar MEP Monitoring
Harmanpreet K. Tiwana, MD
Armando Santos, CNIM

10:40am Optimizing MEPs for Nerve Root Monitoring
Eva K. Ritzl, MD, MBA, FACNS
Armando Santos, CNIM

11:05am Discussion
Eva K. Ritzl, MD, MBA, FACNS

SUNDAY, MARCH 7, 2027

525: Continuous Muscle Fiber Activity Syndromes: Beyond the Stiff-Person Syndrome

Directors: Devon I. Rubin, MD, FACNS and Ignacio Regidor, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Discuss the clinical diagnosis of continuous muscle fiber activity syndromes;
2. Identify most common abnormalities on EDX studies in patients with continuous muscle fiber activity; and
3. Explain the peculiarities of the conditions that can mimic stiff-person syndrome through descriptive clinical cases.

9:45am Introduction
Ignacio Regidor, MD, PhD

9:50am Clinical and Electrophysiologic Features of Peripheral Nerve Hyperexcitable Disorders
Devon I. Rubin, MD, FACNS

10:15am Clinical and EDX Features of Stiff Person Spectrum Disorders
Olga Fedirchyk Tymchuk, MD

10:40am Role of EDX in Identifying Stiff Person Syndrome Mimickers
Lidia Cabañes-Martínez, MD FACNS

11:05am Discussion
Ignacio Regidor, MD, PhD

11:15 – 11:30am

Walking Break

11:30am – 1:00pm

General Session: Gloor Award Presentation & Lecture | Schwab Award Presentation & Lecture

1:00 – 2:45pm

Lunch

Puppy Hour

Puppies will be available for Annual Meeting attendees to enjoy some puppy cuddles in the Exhibit Hall.

1:00 – 2:30pm

541: Career Development Panel: Mentorship, Leadership, Entrepreneurship, and Team-Based Career Advancement in Clinical Neurophysiology NON CME

Directors: Zubeda B. Sheikh, MD, MSCTS, FACNS and Fahd Sultan, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Differentiate mentorship and sponsorship roles and identify strategies to build meaningful professional networks and career advancement opportunities;
2. Identify leadership pathways in clinical neurophysiology at institutional and national society levels;
3. Describe opportunities and challenges in entrepreneurship and innovation within the field; and
4. Recognize career advancement pathways for neurodiagnostic technology professionals.

1:00pm Introduction
Zubeda B. Sheikh, MD, MSCTS, FACNS
Fahd Sultan, MD, FACNS

1:05pm From Lab Director to National Leader: Building Leadership Pathways in Clinical Neurophysiology
Suzette M. LaRoche, MD, FACNS

1:20pm Beyond the Reading Room: Entrepreneurship and Innovation in Clinical Neurophysiology
Eric Anderson, MD, PhD

1:35pm Advancing Together: Career Growth for Neurodiagnostic Technologists and Physician-Technologist Partnership
Trei King, BA, REEGT, CNIM, CLTM, FASET

1:50pm Mentorship, Sponsorship, and Career Navigation in Clinical Neurophysiology
Hiba A. Haider, MD, FACNS, FAES

2:05pm Open Forum
Zubeda B. Sheikh, MD, MSCTS, FACNS

SUNDAY, MARCH 7, 2027

2:45 – 6:00pm

551: Course: Neurostimulation Workshop

Directors: Shruti Agashe, MD, MS-BME, Pegah Afra, MD, FACNS, FAES, FAAN, FANA and Jessica Falco-Walter, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand and perform both basic and advanced programming of VNS devices, including day/night cycles, ictal tachycardia detection, and troubleshooting tolerance issues;
2. Understand and perform RNS programming, including ECOG review, nSight interpretation, detector and stimulation parameter adjustments, and spectral analyses; and
3. Understand and perform DBS programming, including target selection (e.g., CM vs. ANT), contact selection, waveform and pulse parameter optimization, and optional LFP review.

2:45pm Introduction
Pegah Afra, MD, FACNS, FAES, FAAN, FANA

2:50pm Programming VNS for Epilepsy: Hands-On Considerations
Fiona Lynn, APN
Pegah Afra, MD, FACNS, FAES, FAAN, FANA

3:45pm Programming RNS: ECOG and Pattern Optimization
Shruti Agashe, MD, MS-BME
Jessica Falco-Walter, MD

4:50pm DBS Programming for Epilepsy: ANT and CM Targets
Ezekiel Gleichgerrcht, MD, PhD, FACNS
Abdulrahman Alwaki, MD, FACNS, FAES

5:40pm Discussion
Pegah Afra, MD, FACNS, FAES, FAAN, FANA

2:45 – 4:15pm Concurrent Sessions

552: First Seizure Clinic: Optimizing Neurophysiologic Evaluation and Healthcare Utilization

Directors: Elizabeth Gerard, MD, FACNS and Cody Nathan, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify clinical history and examination features suggestive of an underlying diagnosis of epilepsy following a first seizure presentation;
2. Discuss the diagnostic yield, ideal timing, and clinical utility of various neurophysiologic testing modalities, including routine EEG, ambulatory EEG, and inpatient video-EEG monitoring; and
3. Recognize common operational and healthcare system barriers to establishing first seizure clinics and implement practical solutions to improve access and cost-effectiveness.

2:45pm Introduction: First Seizure Clinic: Optimizing Neurophysiologic Evaluation and Healthcare Utilization
Elizabeth Gerard, MD, FACNS

2:50pm Clinical Characteristics and Operationalization of a First Seizure Evaluation Clinic
Cody Nathan, MD

3:15pm Evaluation of First Seizure and Newly Diagnosed Epilepsy
Elaine Wirrell, MD

3:40pm Healthcare Utilization and Cost Outcomes for a First Seizure Clinic
Evan J. Fertig, MD, FACNS, FAES

4:05pm Discussion
Elizabeth Gerard, MD, FACNS

SUNDAY, MARCH 7, 2027

553: Interpreting Neurophysiologic Data in the Context of Brain Tumors: Case-Based Discussions

Directors: Brin Freund, MD and Jessica W. Templer, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Evaluate the appropriate use of EEG, continuous EEG, and ECoG in patients with brain tumors and tumor-related epilepsy;
2. Integrate neurophysiologic findings with clinical, imaging, and oncologic data to guide diagnosis and management of seizures in patients with brain tumors; and
3. Apply principles of invasive and intracranial monitoring to the evaluation of tumor-related epilepsy, including unique considerations for patients with gliomas and meningiomas.

2:45pm Utility of Epilepsy Evaluation in Patients with High-Grade Brain Tumors: Roles of EEG and ECoG
Steven Tobochnik, MD

3:10pm Critical Care EEG in the Management of Perioperative Seizures and Tumor-Related Epilepsy
Jessica W. Templer, MD

3:35pm Unique Considerations for Intracranial Exploration of Tumor-Related Epilepsy in Gliomas and Meningiomas
Brin Freund, MD

4:00pm Discussion
Brin Freund, MD

554: The Intraoperative Peripheral Nerve Monitoring Toolbox: Underutilized Techniques and Misunderstood Signals

Directors: Eric J. Mariuma, MD and Jessica Nance, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Apply NAP recording and inching techniques to improve peripheral nerve localization and clinical correlation during surgery;
2. Utilize peripheral nerve SEP monitoring to assess nerve continuity and function in brachial plexus and other peripheral nerve procedures; and
3. Evaluate and analyze typical and atypical EMG waveforms and firing patterns and communicate their clinical significance.

2:45pm Friend or Foe? Decoding Unusual Spontaneous EMG Activity During Intraoperative Monitoring
Eric J. Mariuma, MD

3:10pm Peripheral Nerve, Brachial Plexus, and Lumbar Plexus Monitoring
Jessica Nance, MD

3:35pm SEP Monitoring for Peripheral Nerve Procedures
Felix Chang, MD, FACNS

4:00pm Discussion
Eric J. Mariuma, MD

4:15 – 4:30pm

Coffee Break

SUNDAY, MARCH 7, 2027

4:30 – 6:00pm Concurrent Sessions

561: Viewpoints in Intraoperative Neuromonitoring

Directors: Khalil S. Husari, MD and Tatsuya Oishi, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the differences in the IONM practices across the US;
2. Discuss the various modalities of IONM and their value in cerebral ischemia monitoring; and
3. Understand the differences in motor evoked potential stimulation parameters across various clinical scenarios.

4:30pm	Introduction *Khalil S. Husari, MD*
4:35pm	SSEP and EEG in Cerebral Ischemia Monitoring *Eva K. Ritzl, MD, MBA, FACNS*
4:50pm	The Role of Transcranial MEPs in Cerebral Ischemia Monitoring *Ankita Tippur, MD*
5:05pm	Discussion *Khalil S. Husari, MD*
5:17pm	Transcranial MEP Stimulation - Is There a Role for Submaximal Stimulation? *Khalil S. Husari, MD*
5:32pm	Transcranial MEP Stimulation - Supramaximal Stimulation *Tatsuya Oishi, MD, FACNS*
5:47pm	Discussion *Khalil S. Husari, MD*

562: ACNS Equity Symposium

Directors: Sasha Alick-Lindstrom, MD, MPH FACNS, FAES, FAAN and Sarah E. Schmitt, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Recognize how cultural, religious, and personal identity factors can influence patient participation, recording quality, and diagnostic accuracy during clinical neurophysiology procedures;
2. Apply culturally responsive communication strategies to reduce bias, build patient trust, and improve cooperation during neurodiagnostic testing across diverse populations; and
3. Identify common structural and technical barriers that contribute to inequitable access to neurodiagnostic testing-including factors related to hair texture, cultural practices, language, and stigma-and describe practical approaches to address these barriers while maintaining diagnostic quality.

4:30pm	Introduction
4:35pm	Cultural and Religious Considerations in Neurodiagnostic Testing *Simona V. Proteasa, MD, MBA*
5:00pm	Communication, Trust, and Bias in Neurodiagnostic Care: The Human Factors That Influence Recording Quality *Neishay Ayub, MD FACNS*
5:25pm	Hair, Identity and Technical Adaptation in EEG *Sasha Alick-Lindstrom, MD, MPH FACNS, FAES, FAAN*
5:50pm	Discussion

SUNDAY, MARCH 7, 2027

563: When AI Backfires: Global, Legal, and Training Pitfalls in Clinical Neurophysiology

Director: Aatif M. Husain, MD, MBA, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify the unintended consequences of AI-guided CNP diagnostics when deployed in low-resource and developing health systems;
2. Differentiate medicolegal responsibility between algorithms, institutions, and human clinicians in AI-augmented CNP care; and
3. Evaluate how reliance on AI may affect CNP trainee acquisition of clinical judgment skills.

4:30pm	The Ethical and Practical Consequences of AI Deployment in Low-Resource and Developing Regions *Adriana Bermeo-Ovalle, MD, FACNS, FAES, FAAN*
4:55pm	Who is Responsible When AI Is Wrong? Medicolegal Risk, Liability, and Standard-of-Care Thresholds *Aatif M. Husain, MD, MBA, FACNS*
5:20pm	Will AI Deskilling Harm Tomorrow's Clinical Neurophysiologists? *Sarah E. Schmitt, MD FACNS*
5:45pm	Discussion *Aatif M. Husain, MD, MBA, FACNS*

MONDAY, MARCH 8, 2027

7:00 – 8:00am

Breakfast

8:00 – 9:30am Concurrent Sessions

611: Clinical Neurophysiology Resident and Fellow Symposium

Directors: Katie L. Bullinger, MD, PhD, FACNS and Denise Chen MD, FACNS

This session will feature case presentations by clinical neurophysiology trainees, selected by the ACNS Resident & Fellow Education Committee from submitted Poster Abstracts. Please see the Call for Poster Abstracts on pages 6-7 for complete information and submission instructions.

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify interesting basic and complex clinical neurophysiologic diagnostic findings in a case vignette style setting;
2. Describe best practices in clinical neurophysiology as they relate to the cases presented;
3. Assess new and emerging neurophysiologic approaches outlined in clinical cases to improve future patient care; and
4. Facilitate trainee development through presentation of cases and participation in case discussion.

612: Intraoperative Neurophysiological Monitoring of Spinal Cord Tumor Surgeries (ACNS/Spanish Society for Clinical Neurophysiology (SENFC) Joint Symposium)

Directors: Victoria Fernández, MD, PhD, FACNS and Lidia Cabañes-Martínez, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Plan an intraoperative neurophysiological monitoring of spinal cord tumors using multiple modalities;
2. Perform a posterior columns mapping with confidence; and
3. Configure bulbocovernous reflex and H reflex inintraoperative neurophysiological monitoring of spinal cord tumors.

8:00am Introduction of Symposium
Victoria Fernández, MD, PhD, FACNS

8:05am Principles of Intraoperative Monitoring of Spinal Cord Tumors
Victoria Fernández, MD, PhD, FACNS

8:30am Posterior Columns Mapping in Intramedular Tumors
Ankita Tippur, MD

8:55am Usefulness of Spinal Reflexes for Spinal Tumors Intraoperative Neurophysiologic Monitoring
Guillermo Martín-Palomeque, MD, FACNS

9:20am Discussion
Lidia Cabañes-Martínez, MD, FACNS

613: Plexus and Peripheral Nerve Injuries: What a Clinical Neurophysiologist Should Know

Director: Andres De Leon, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify the patterns of nerve injury and recovery;
2. Synthesize the EMG/NCS and neuromuscular ultrasound findings guiding the need and timing of nerve repair; and
3. Describe the types of nerve repair surgery and how they should be considered when planning EMG/NCS and neuromuscular ultrasound.

8:00am Use of EMG/NCS in Brachial Plexus and Peripheral Nerve Injuries
Andres De Leon, MD

8:30am Neuromuscular Ultrasound in Plexus and Peripheral Nerve Injuries
Philip Wong, MD

8:55am Surgical Options for Restoration of Function After Nerve Injury
Nicole Zelenski, MD

9:20am Discussion
Andres De Leon, MD

MONDAY, MARCH 8, 2027

614: From Expert Disagreement to Algorithmic Consistency: AI for EEG Interpretation

Directors: Nicholas S. Abend, MD, MSCE, FACNS and Craig A. Press, MD, PhD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Evaluate the diagnostic performance of supervised deep-learning EEG models relative to expert-reader reference standards, and explain why inter-rater variability in the reference standard constrains both model training and validation;
2. Describe how unsupervised and self-supervised similarity-based ("EEG fingerprinting") methods identify novel, data-driven EEG markers, and appraise their application to cardiac-arrest outcome prognostication; and
3. Analyze the risks/benefits of integrating automated EEG tools into clinical and research workflows, including effects on reporting consistency, reproducibility of EEG-based outcomes research, and the role of expert oversight.

8:00am Evolving Backwards - Taking Adult EEG AI Models and Transforming Them for Pediatric Interpretation
Callison Alcott, MD, PhD

8:25am What We Don't See: Novel AI Methodologies to Identify EEG Patterns and Predict Outcomes
Robert van den Berg, MD, PhD

8:50am Questioning the Dogma: Do the Criteria Matter if We Have an Objective Interpreter? Going from Disagreement to Objective Measures
Craig A. Press, MD, PhD

9:15am Panel Discussion and Debate
Nicholas S. Abend, MD, MSCE, FACNS

9:30 – 9:45am

Coffee Break

9:45 – 11:15am Concurrent Sessions

621: EEG Monitoring to Optimize Outcomes of Critically Ill Neonates

Director: Shavonne L. Massey, MD, MSCE, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe the role of sleep in the neonatal period, including sleep physiology, sleep pathophysiology in critically ill neonates, and how differences in sleep in critically ill neonates may inform neuroprognostication;
2. Recognize specific EEG and seizure features present in the neonatal period that, in combination with specific neuroinflammatory markers, are highly linked with the development of postnatal epilepsy; and
3. Explain the role of artificial intelligence in the NICU, specifically for seizure identification and quantification.

9:45am Introduction
Shavonne L. Massey, MD, MSCE, FACNS

9:50am Sweet Dreams are Made of This: Understanding the Role of Sleep in the NICU
TBD

10:15am Life After Neonatal Seizures: Predicting Postnatal Epilepsy
Adam L. Numis, MD FACNS

10:40am A.I. in the NICU: Are We There Yet?
Amanda G. Sandoval Karamian, MD

11:05am Discussion
Shavonne L. Massey, MD, MSCE, FACNS

MONDAY, MARCH 8, 2027

622: *Journal of Clinical Neurophysiology* (*JCN*) Articles of the Year

Director: Stephan U. Schuele, MD, MPH, FACNS, FAAN

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Understand the importance of original research published in *JCN* for the practice of CNP;
2. Decide on topics which are suitable for a topical review in *JCN*; and
3. Understand the relevance of a well selected case report to provide novel findings or of a clinical vignette to offer educational value.

9:45am	Introduction *Stephan U. Schuele, MD, MPH, FACNS, FAAN*
9:50am	CAM Award for Best Original Research *TBD*
10:20am	Top Topical Issue *TBD*
10:50am	Case Report or Clinical Vignette of the Year *TBD*
11:10am	Discussion *Stephan U. Schuele, MD, MPH, FACNS, FAAN*

623: Neuromonitoring in Minimally Invasive and Lateral Access Spine Surgery

Directors: Daniel Vitantonio, MD and Lidia Cabañes-Martínez, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Identify the indications, advantages, limitations, and inherent neurological risks associated with diverse minimally invasive surgical (MIS) approaches to the spine, including percutaneous, antero-lateral, tubular and endoscopic MIS procedures;
2. Recognize the technical constraints and limitations of standard IOM techniques for lumbosacral nerve roots and peripheral nerve structures, and understand how directional tEMG threshold testing is utilized to establish safe lateral access corridors;
3. Understand the anatomical, physiological, and methodological foundations of specialized techniques such as posterior/anterior motor root responses (PRMR/ARMR) and percutaneous pedicle screw assessment; and
4. Employ strategic evoked potential monitoring to detect early neural strain and guide intraoperative surgical adjustments.

9:45am	Introduction *Daniel Vitantonio, MD*
9:50am	Precision and Safety in Minimally Invasive Approaches to the Spine *Avelino Parajon, MD*
10:00am	Anatomical Roadmap for Lateral Access Corridors *Adam Kanter, MD*
10:15am	Intraoperative Monitoring in MISS Approaches *Ricardo J.R. Ferreira, MD, FACNS*
10:35am	Intraoperative Monitoring in Lateral Approaches *Justin W. Silverstein, DHSc, FASNM, FASET*
10:45am	Posterior and Anterior Motor Root Response (PRMR/ARMR) *Guillermo Martín-Palomeque, MD, FACNS*
11:05am	Discussion *Lidia Cabañes-Martínez, MD, FACNS*

MONDAY, MARCH 8, 2027

624: The Gig's Up: How to Adapt to a Changing Health Care Climate by Establishing Your Own Business

Directors: Pegah Afra, MD, FACNS, FAES, FAAN, FANA and Matthew W. Luedke, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define an LLC and list basic steps in establishing and maintaining an LLC;
2. Describe the benefits/challenges of setting up an individual CNP-LLC, and the pros/cons of having single vs multiple individual ownership an S-Corp tax status; and
3. Describe private equity, its impact on healthcare, pros/cons, new venues and consideration for physicians seeking involvement or employment.

9:45am Introduction
Pegah Afra, MD, FACNS, FAES, FAAN, FANA

9:50am A Clinical Neurophysiologist's Guide to Business Structure: From LLC Formation to Payroll, Banking, and Beyond
Abhi Kapuria, MD

10:15am Out of the Box Modern Guide to LLCs and S-Corps: Smart Structures, Legal Tools, and AI to Launch Physician Businesses
Denise Sebasigari, DO, FACNS

10:40am The Expansion of Private Equity into Health Care
George "Trey" R. Lee, MD, MS, MBA, FACNS

11:05am Discussion
Matthew W. Luedke, MD, FACNS

11:15 – 11:30am

Walking Break

11:30am – 1:00pm

General Session: ACNS Annual Business Meeting | Jasper Award Presentation & Lecture NON CME

1:00 – 2:15pm

Lunch

Puppy Hour

Puppies will be available for Annual Meeting attendees to enjoy some puppy cuddles in the Exhibit Hall.

Special Interest Group (SIG) Meet-Ups NON CME

Come learn about the Business of CNP & Computational Neurophysiology and Neural Engineering (CNNE) SIGs. Hear about what they have planned in the coming months as they offer key educational content throughout the year. See page 8 for complete information.

2:15 – 3:45pm Concurrent Sessions

641: Baby Unicorns and Teenage Zebras: Because Pediatric IONM is Never a Horse

Directors: Katherine M. Anetakis, MD, FACNS and Christine Hung, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe appropriate NIOM modalities for monitoring peripheral nerve cases in pediatric patients and identify significant changes;
2. Describe appropriate NIOM modalities for monitoring complex spine procedures in pediatric patients and identify significant changes; and
3. Describe appropriate NIOM modalities for monitoring skull base and posterior fossa procedures in pediatric patients and identify significant changes.

2:15pm The Tiny 12: Cranial Nerve NIOM in Pediatric Surgery
Katherine M. Anetakis, MD, FACNS

2:30pm Strategy and Signal: Peripheral Nerve NIOM in Pediatric Surgery
Jessica Nance, MD

2:50pm From Rootlets to Reflexes: Multimodal Neuromonitoring in Pediatric Spine Surgery
Lindsay Bhandari, MD

3:10pm When the Surgeon Has a Bone to Pick: NIOM in Pediatric Spine and Skeletal Surgeries
Jennifer L. McKinney, MD, FACNS

3:30pm Discussion
Christine Hung, MD, FACNS

MONDAY, MARCH 8, 2027

642: Building a Qualified Neurodiagnostic Workforce to Support Clinical Neurophysiology Practice

Directors: Magdalena Warzecha, BS, R.EEG/EP T, CLTM, NA-CLTM, FASET and Meriem Bensalem-Owen, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Define pathways and workforce development models for building a competent neurodiagnostic workforce aligned with institutional needs and the growth of clinical neurophysiology (CNP) practice;
2. Describe the design, implementation, challenges, and benefits of in-house neurodiagnostic training programs; and
3. Recognize patient safety, operational and regulatory risks associated with inadequate staffing and training, understand evolving roles of neurodiagnostic technologists, emerging technologies, and their integration into clinical neurophysiology practice.

2:15pm Introduction
Meriem Bensalem-Owen, MD, FACNS

2:20pm Interactive Audience Poll
Magdalena Warzecha, BS, R.EEG/EP T, CLTM, NA-CLTM, FASET

2:25pm Neurodiagnostics at a Crossroads
Trei King, BA, REEGT, CNIM, CLTM, FASET

2:50pm Optimizing Staffing, Workflow, and Technology in a Level 4 Epilepsy Center
Katie LaHaye, RDMS, RVT
Stephan U. Schuele, MD, MPH, FACNS, FAAN

3:15 The Impact of a Successful In-House Technologist Training Program at Ann & Robert H. Lurie Children's Hospital of Chicago
Erik Padilla, MBA, MSA, FASET, FACHE

3:40pm Discussion
Meriem Bensalem-Owen, MD, FACNS

643: Course: Botulinum Toxin Treatment Under EMG and Ultrasound Guidance: Hands-On Workshop

Director: Jaime R. López, MD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe and explain the differences between botulinum toxin sub-types;
2. Describe the benefit of using EMG and/or ultrasound guidance when performing Neurotoxins injections; and
3. Accurately localize the commonly injected muscles in dystonia, spasticity, and migraine; as well as salivary glands treated in sialorrhea.

2:15pm Introduction
Jaime R. López, MD, FACNS

2:20pm Botulinum Toxin Treatment in Neurologic Disorders- A Brief Review
Felix Chang, MD, FACNS

2:35pm Brief Review of Muscle Anatomy
Alejandro Zavala, MD, FACNS

2:45pm Hands-On Demonstration
Jaime R. López, MD, FACNS

MONDAY, MARCH 8, 2027

644: The Many Faces of Temporal Lobe Epilepsy: Distinct Electrophysiological Phenotypes, Networks, and Surgical Implications

Directors: Ammar Kheder, MD, FACNS and Thandar Aung, MD, MS

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

1. Differentiate the major electroclinical and neurophysiological phenotypes of temporal lobe epilepsy, including mesial temporal, mesiopolar, temporal pole, basal temporal, lateral temporal, posterior temporal, and temporal-plus syndromes;
2. Interpret characteristic scalp EEG and intracranial EEG patterns associated with distinct temporal lobe epilepsy syndromes and their propagation pathways; and
3. Apply contemporary concepts of seizure networks and propagation to improve localization, intracranial monitoring strategies, and presurgical evaluation in patients with temporal lobe epilepsy.

2:15pm Introduction
Ammar Kheder, MD, FACNS

2:20pm What SEEG Has Taught Us About Seizure Onset and Propagation in Temporal Lobe Epilepsy
Thandar Aung, MD, MS

2:45pm Recognizing the Electrophysiological Phenotypes of Temporal Lobe Epilepsy
Agnes Trebuchon, MD, FACNS, FAES, FAAN

3:10pm When Temporal Lobe Surgery Fails: Lessons from Temporal-Plus Epilepsy
Juan Bulacio, MD

3:35pm Discussion
Ammar Kheder, MD, FACNS

TUESDAY, MARCH 9, 2027

7:00 – 8:00am

Breakfast

8:00 – 9:30am Concurrent Sessions

711: Beyond the Stimulator: A New Era of Cortical Mapping

Directors: Matt Hoffman, DO, PhD, FACNS and Nuri Ince, PhD

Learning Objectives:

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

1. Describe current clinical standards for cortical mapping and neurophysiologic monitoring in supratentorial tumor surgery;
2. Compare active stimulation-based vs. passive mapping approaches, including advantages, limitations, and clinical applicability; and
3. Discuss the principles and potential applications of CCEPs in mapping cortical connectivity and networks.

8:00am Current Standards in Cortical Mapping and Intraoperative Monitoring
Matt Hoffman, DO, PhD, FACNS

8:25am Active vs Passive Mapping: Expanding the Functional Mapping Toolkit
Nuri Ince, PhD

8:50am Mapping Brain Networks: Clinical Applications of CCEPs and Connectivity
Kathleen Seidel, MD

9:15am Discussion
Matt Hoffman, DO, PhD, FACNS

713: Beyond Seizure Diaries

Director: Brian Lundstrom, MD, PhD, FACNS

Learning Objectives:

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

1. Compare the limitations of seizure diaries with the information provided by long-duration neurophysiologic monitoring, including seizure burden, interictal epileptiform activity, and temporal variation in brain state;
2. Evaluate the potential clinical roles, technical strengths, and major limitations of subcutaneous EEG and ear-EEG for longitudinal epilepsy assessment;
3. Integrate cortical excitability concepts - including aperiodic EEG/MEG features, evoked responses, adaptation, and gain control - into a mechanistic framework for AI-assisted assessment of interictal epileptic network state.

8:00am Introduction
Brian Lundstrom, MD, PhD, FACNS

8:05am Ear-EEG for Non-Invasive Long-Term Assessment of Epilepsy
TBD

8:30am T Subcutaneous EEG to Replace or Validate Seizure Diaries
Pedro F. Viana, MD, PhD

8:55am Cortical Excitability as a Neural Network Framework for Assessing Interictal Brain States
Brian Lundstrom, MD, PhD, FACNS

9:20am Discussion
Brian Lundstrom, MD, PhD, FACNS

TUESDAY, MARCH 9, 2027

714: Recognizing Seizure Semiology From Ictal Scalp-EEG Analysis: A Sherlock Holmes' Approach

Director: Neel Fotedar, MD

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Describe important non-EEG elements such as myogenic artifact, eye movements, etc. in an EEG recording;
2. Deduce seizure semiology via meticulous analysis of non-EEG elements without requiring additional video information; and
3. Define the putative epileptogenic zone using EEG-based seizure semiology and seizure localization.

8:00am Introduction
Neel Fotedar, MD

8:05am Illustrative Case #1
Roohi Katyal, MD

8:30am Illustrative Case #2
Dipali Nemade, MD, MPH

8:55am Illustrative Case #3
Allison Klosz, MD

9:20am Discussion
Neel Fotedar, MD

9:30-9:45am

Coffee Break

9:45 – 11:15am Concurrent Sessions

721: Course: Value and Prognosis of Scoring Sleep and Breathing in Intensive Care Unit, Epilepsy Monitoring Unit and Intracranial StereoEEG

Director: Madeleine M. Grigg-Damberger, MD, FACNS, FAES, FAASM

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Record and score sleep/wake states in ICU, EMU and intracranial SEEG, and understand prognostic benefits of doing so;
2. Review SEEG biosignatures of sleep from subcortical and cortical epileptic and non-epileptic structures including the thalamus; and
3. Explain recording montages to record sleep/wake states and breathing in ICU, EMU and SEEG patients.

9:45am Value of Scoring Sleep and Respiration in Epilepsy Monitoring Units
Marcus C. Ng, MD, FRCPC, CSCN (EEG), FACNS

10:15am Value of Scoring Respiration in Intracranial SEEG Patients
Nancy Foldvary-Schaefer, DO, MS, FAAN, FACNS, FAASM, FAES

10:40am Value of Scoring Sleep in Critically Ill ICU Patients
Madeleine Grigg-Damberger, MD, FACNS, FAES, FAASM

11:05am Discussion
Madeleine M. Grigg-Damberger, MD, FACNS, FAES, FAASM

TUESDAY, MARCH 9, 2027

722: From Signal Change to Surgical Action: Real-Time NIOM Interpretation Through Interactive Cases

Directors: Jonathan A. Norton, PhD, FACNS and Justin W. Silverstein, DHSc, FASNM, FASET

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Interpret multimodality intraoperative neurophysiologic changes within the context of surgical maneuvers, anesthetic variables, positioning factors, and potential mechanisms of neurologic injury;
2. Differentiate technical, physiologic, anesthetic, and surgical causes of intraoperative neurophysiologic signal changes using case-based troubleshooting strategies; and
3. Apply real-time intraoperative neurophysiologic findings to clinical communication, alarm assessment, and intraoperative decision-making during neurosurgical, spinal, and peripheral nerve procedures.

9:45am From Neurophysiologic Alert to Surgical Action: Real-Time Communication and Decision-Making in NIOM
Justin W. Silverstein, DHSc, FASNM, FASET

10:15am Troubleshooting Intraoperative Neurophysiologic Changes: Distinguishing Technical, Physiologic, and Surgical Causes
Jonathan A. Norton, PhD, FACNS

10:40am Interpretation of Intraoperative Neurophysiologic Signal Changes: Mechanisms of Injury and Multimodality Correlation
Michelle M. Mora, DO, FACNS

11:05am Discussion
Justin W. Silverstein, DHSc, FASNM, FASET

723: Non-Invasive Evoked Responses for Functional Mapping and Clinical Practice

Director: Brian Lundstrom, MD, PhD, FACNS

Learning Objectives:
At the conclusion of this activity, the learner will be able to:
1. Compare non-invasive evoked-response approaches, including conventional evoked potentials, MEG, fMRI, and TMS/TMS-EEG, for functional mapping and clinical decision-making;
2. Identify MEG-based strategies for language and sensorimotor functional mapping in pediatric, sedated, or otherwise difficult-to-test patients; and
3. Evaluate how TMS and TMS-EEG can probe cortical excitability and functional network physiology to guide therapy while recognizing current limitations and investigational boundaries.

9:45am Introduction
Brian Lundstrom, MD, PhD, FACNS

9:50am Non-Invasive Evoked Responses for Clinical Practice
Gamaleldin M. Osman, MD, MSc, FACNS

10:15am MEG-Based Functional Mapping in Sedated Patients
Clifford Calley, MD

10:40am TMS and TMS-EEG for Guiding Therapy
Fiona M. Baumer, MD

11:05am Discussion
Brian Lundstrom, MD, PhD, FACNS



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