



Preliminary Program

PRINCIPLES OF CLINICAL NEUROPHYSIOLOGY COURSES

September 27 - 29, 2024

TABLE OF CONTENTS

ACNS INFORMATION

Officers and Council	3
Principles of Clinical Neurophysiology Committees	3
Executive Office	3

GENERAL MEETING INFORMATION

Important Dates	4
Registration Information	4
Technical Specifications & Requirements	4
ACNS Meeting Policies	4

CME INFORMATION

Meeting Description	5
Target Audience	5
Accreditation Statement	5
Credit Designation	5
ASET CEUs	5

SCHEDULE-AT-A-GLANCE	6
----------------------------	---

COURSE AGENDAS - BY TRACK

Course Agendas	7
ICU EEG	8
NIOM	9
SEEG	10

ABOUT THE AMERICAN CLINICAL NEUROPHYSIOLOGY SOCIETY



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

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

ACNS OFFICERS AND COUNCIL

President

Meriem Bensalem-Owen, MD, FACNS
University of Kentucky

First Vice President

Nicholas S. Abend, MD, MSCE, FACNS
Children's Hospital of Philadelphia

Second Vice President

Courtney J. Wusthoff, MD, FACNS
UC Davis

Secretary

Elizabeth Gerard, MD, FACNS
Northwestern University

Treasurer

Adriana Bermeo-Ovalle, MD, FACNS,
FAES
Rush University Medical Center

Immediate Past President

Saurabh R. Sinha, MD, PhD, FACNS
Duke University Medical Center

Past President

Jaime R. Lopez, MD, FACNS
Stanford University

Councilors-at-Large

Birgit Frauscher, MD, PhD, FACNS
Duke University Medical Center

Ioannis Karakis, MD, PhD, MSc, FACNS
Emory University

Ruple S. Laughlin, MD, FACNS
Mayo Clinic

Lynn Liu, MD, MS (HPE) FACNS
University of North Carolina Chapel
Hill

Marcus C. Ng, MD, FRCPC, CSCN,
FACNS
University of Manitoba

Jun T. Park, MD, FAES, FACNS

Case Western Reserve University
School of Medicine

Olga Selioutski, DO, FACNS, FAES,
FACN

University of Mississippi

Rajdeep Singh, MD, MS, FACNS, FAES
Atrium Health

Journal Editor

Stephan U. Schuele, MD, MPH, FACNS
Northwestern University

AMA Officer

Jaime R. Lopez, MD, FACNS
Stanford University

PRINCIPLES OF CLINICAL NEUROPHYSIOLOGY COURSES COMMITTEES

COURSE COMMITTEE

Co-Chairs

Ruple S. Laughlin, MD, FACNS
Lynn Liu, MD, MS (HPE), FACNS

Co-Chairs-Elect

Amy Z. Crepeau, MD, FACNS
Shavonne Massey, MD, MSCE, FACNS

Members

Meriem Bensalem-Owen, MD, FACNS
Katie L. Bullinger, MD, PhD, FACNS
Maureen P. Carroll, R.EEG/EPT, RPSGT,
CNIM
Naiara Garcia-Losarcos, MD
Elizabeth Gerard, MD, FACNS
Cecil D. Hahn, MD, MPH, FACNS
Hiba A. Haider, MD, FACNS, FAES
Aline Herlopian, MD
Vasileios Kokkinos, PhD, FACNS
Leslie Lee, MD, FACNS
Jonathan A. Norton, PhD, FACNS
Devon I. Rubin, MD, FACNS
Iffat Ara Suchita, MD

Ex-Officio

Adriana Bermeo-Ovalle, MD, FACNS,
FAES
Ann Hyslop, MD, FACNS
Monica P. Islam, MD, FACNS
Marcus C. Ng, MD, FRCPC, CSCN,
FACNS

CME COMMITTEE

Co-Chairs

Ann Hyslop, MD, FACNS
Monica P. Islam, MD, FACNS

Co-Chairs-Elect

Rejean M. Guerriero, DO, FACNS
Joel M. Oster, MD, FACNS

Members

Pegah Afra, MD, FACNS
Kapil Arya, MBBS, FAAP, FANA, FACNS
Melissa Asmar, MD
Tyson Burghardt, MD
Hanan M. El Shakankiry, MD, PhD
Brin Freund, MD
Elizabeth Gerard, MD, FACNS

Abeer Jawdat Hani, MD, FACNS

Akio Ikeda, MD, PhD, FACNS

Mohammed Ilyas, MD, FACNS

Fawad A. Khan, MD, FACNS

Eliane Kobayashi, MD, PhD

Catherine V. Kulick-Soper, MD

Jong Woo Lee, MD, PhD, FACNS

Xiangping Li, MD

Jennifer McKinney, MD, FACNS

Yara Mikhaeil-Demo, MD, FACNS

Moshe A. Mizrahi, MD, FAAN, FAHA,
FACNS

Ismail S. Mohamed, MD, FACNS

Iryna Muzyka, MD, FACNS

Ika Noviauwaty, MD

Kimberly Pargeon, MD, FACNS, FAES

Jun T. Park, MD, FAES, FACNS

Chrystal M. Reed, MD, PhD

Maria C. Sam, MD, FACNS

Sarah E. Schmitt, MD, FACNS

Fahd Sultan, MD, FACNS

Courtney J. Wusthoff, MD, MS, FACNS

Andrew James Zillgitt, DO, FACNS,
FAES

Ex-Officio

Adriana Bermeo-Ovalle, MD, FACNS,
FAES

Dominic Fee, MD, FACNS

Ruple S. Laughlin, MD, FACNS

Lynn Liu, MD, MS (HPE), FACNS

Marcus C. Ng, MD, FRCPC, CSCN,
FACNS

ACNS EXECUTIVE OFFICE

555 E Wells St, Suite 1100

Milwaukee, WI 53202

Phone: (414) 918-9803

Fax: (414) 276-3349

info@acns.org

www.acns.org

GENERAL INFORMATION

The Principles of Clinical Neurophysiology Courses (PCNP) is a virtual event designed to deliver basic and intermediate level content for the ACNS flagship courses, ICU EEG, NIOM and Stereo EEG as well as several specialty short courses. ACNS’s educational activities are directed to clinical neurophysiologists, neurologists, neurosurgeons, trainees in these disciplines, technologists and other physicians and researchers who utilize clinical neurophysiologic techniques and knowledge in the diagnosis and management of patients with disorders of the peripheral and central nervous system. Likewise, the courses can serve as a great refresher for those preparing for board exams.

Registration options include ala carte short courses, day pass for the flagship courses (ICU EEG, NIOM and Stereo EEG) or an all-access pass, which includes attendance to all courses. All registration options include access to on-demand viewing October 7-21, 2024.

New this year – “PCNP Replay,” a second on-demand iteration of the flagship courses in ICU EEG, NIOM, and Stereo EEG, will be offered February 3 – 17, 2025 as a refresher ahead of the ACNS 2025 Annual Meeting & Courses.

MEETING FORMAT

PCNP will take place Friday, September 27 – Sunday, September 29, 12:00 – 3:30pm ET. Sessions will be recorded and available on-demand for two weeks after the meeting, October 7 - 21, 2024.

PCNP Replay, a second on-demand iteration of the flagship courses in ICU EEG, NIOM, and Stereo EEG, will be offered February 3 – 17, 2025 as a refresher ahead of the ACNS 2025 Annual Meeting & Courses. PCNP All-Access Pass registrants may choose to add-on access to Replay for an additional fee (see chart).

IMPORTANT DATES

Event Registration Deadline	October 20, 2024
Registration Cancellation Deadline	September 27, 2024
CME Certificate Site Opens	September 29, 2024
Access to On-Demand Recordings and Handouts Ends	October 21, 2024
CME Claim Deadline	October 31, 2024

REGISTRATION RATES

(in US Dollars)	Friday Short Courses (ala carte, per course)	Flagship Courses - Day Pass	All-Access Pass	PCNP Replay (only available to All-Access Pass registrants)
ACNS Members	\$145	\$255	\$475	\$125
Non-Members	\$210	\$370	\$685	\$185
Junior, Tech, RRC* Members	\$80	\$140	\$260	\$70
Non-Member Trainees, Techs, RRC*	\$125	\$210	\$375	\$110

Registration rates above include access to the live courses, presented September 27-29 as well as access to the on-demand recordings for the courses purchased from October 7-21, 2024. Access to PCNP Replay is available at an additional charge to All-Access registrants.

REGISTRATION PROCESS

Online registration will open in July and be available through October 20, 2024. However, registering at least two hours prior to the live course start time is recommended, to ensure access to the virtual platform. To register, please visit the ACNS website.

REGISTRATION CANCELLATION & REFUND POLICY

Refund requests must be submitted in writing to ACNS by September 27, 2024. A \$50 processing fee will be charged for all refunds. Delegates will receive confirmation and refund within 14 days of receipt of cancellation notice. Refund requests received after September 27, 2024 will not be granted.

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.

PRIVACY POLICY

The American Clinical Neurophysiology Society (ACNS) has a strong commitment to privacy. This statement outlines the policies and procedures concerning information gathering and dissemination practices related to www.acns.org, as well as member, meeting attendee, and sponsor/supporter (collectively, “users”) data. This policy is in accordance with the European General Data Protection Regulations (GDPR). Please review the full policy [here](#).

GENERAL INFORMATION

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 the ACNS 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.

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 appropriate action may be taken.
- 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 reserves the right to prohibit attendance at any future meeting.

CME INFORMATION

ABOUT THE PRINCIPLES OF CLINICAL NEUROPHYSIOLOGY

The 2024 Principles of Clinical Neurophysiology Courses are designed around the general practice of clinical neurophysiology. Educational activities will cover basic and intermediate methodologies.

TARGET AUDIENCE

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

ACCREDITATION STATEMENT

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

CREDIT DESIGNATION

ACNS designates the Principles of Clinical Neurophysiology for the maximum number of *AMA PRA Category 1 Credit(s)*[™] indicated below:

Autonomic Neurophysiology:

1.50 *AMA PRA Category 1 Credits*[™]

Electromyography and Nerve Conduction Studies (EMG / NCS)

Part I: 1.50 *AMA PRA Category 1 Credits*[™]

Part II: 1.50 *AMA PRA Category 1 Credits*[™]

Evoked Potentials:

1.50 *AMA PRA Category 1 Credits*[™]

Intensive Care Unit EEG Monitoring (ICU EEG)

Part I: 1.50 *AMA PRA Category 1 Credits*[™]

Part II: 1.50 *AMA PRA Category 1 Credits*[™]

Part III: 1.50 *AMA PRA Category 1 Credits*[™]

Part IV: 1.50 *AMA PRA Category 1 Credits*[™]

Neurologic Intraoperative Monitoring (NIOM)

Part I: 1.50 *AMA PRA Category 1 Credits*[™]

Part II: 1.50 *AMA PRA Category 1 Credits*[™]

Part III: 1.50 *AMA PRA Category 1 Credits*[™]

Part IV: 1.50 *AMA PRA Category 1 Credits*[™]

Sleep:

1.50 *AMA PRA Category 1 Credits*[™]

Stereo-Electroencephalography (Stereo EEG)

Part I: 1.50 *AMA PRA Category 1 Credits*[™]

Part II: 1.50 *AMA PRA Category 1 Credits*[™]

Part III: 1.50 *AMA PRA Category 1 Credits*[™]

Part IV: 1.50 *AMA PRA Category 1 Credits*[™]

Video- Electroencephalography (Video EEG):

1.50 *AMA PRA Category 1 Credits*[™]

The number of credits above also constitutes the estimated time to complete each activity.

ASET CEUS

ACNS is in the process of applying to ASET to allow attendees to claim ASET-CEUs for attendance at PCNP. More information will be made available online at <https://www.acns.org/meetings/fall-courses/2024-principles-of-clinical-neurophysiology-courses>.

LEARNING OBJECTIVES :

Autonomic Neurophysiology:

At the conclusion of this course, participants should be able to:

1. Understand the basic neuroanatomy and physiology of autonomic function;
2. Recognize the indications, protocol, normal responses, and limitations of clinical autonomic testing; and
3. Develop a plan and utilize autonomic testing in patients with various types of autonomic disorders.

Electromyography and Nerve Conduction Studies (EMG/NCS) - Parts I and II

At the conclusion of this course, participants should be able to:

1. Describe the basic concepts of nerve conduction studies and needle electromyography, the abnormalities that can occur in different categories of disorders, and the pitfalls that may occur during the performance of the studies;
2. Review the approach, findings, and limitations of electrodiagnostic (EDX) testing in patients with commonly referred diagnoses through case based teaching; and
3. Explain how to modify a study by obtaining real time data through case based learning.

Evoked Potentials

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

1. Describe the fundamentals of evoked potential testing including the technical aspects of stimulation, recording, and signal generation;
2. Identify the components of visual, somatosensory, and brainstem auditory evoked potentials and their clinical significance; and
3. Classify EP findings as normal or abnormal, and provide an accurate interpretation/guidance of the findings when the study is abnormal

CME INFORMATION

LEARNING OBJECTIVES: CONTINUED

Intensive Care Unit EEG Monitoring (ICU EEG) – Parts I, II, III and IV

At the conclusion of this course, participants should be able to:

1. Recognize common indications for CEEG in the ICU setting in neonates, children, and adults;
2. Evaluate the cost-effectiveness of continuous EEG and the variability in practices in resourceful vs. resource-limited settings;
3. Apply ACNS terminology to the common ICU EEG findings;
4. Interpret EEG patterns encountered in the ICU, including seizures, periodic and rhythmic patterns, and as well as background features important for prognosis and management;
5. Select appropriately-dosed treatment options for seizures and status epilepticus, and recognize the nuances in approach to treatment based on EEG findings in non-conclusive SE, or with rhythmic/periodic patterns that lie on the ictal interictal continuum;
6. Describe the findings of ICU EEG monitoring specific to the pediatric population and neonates;
7. Utilize quantitative EEG methods to see long-term trends, screen for seizures rapidly, and to detect signs of ischemia;
8. Describe the value and limitations of EEG monitoring to predict neurologic outcomes in hypoxic-ischemic encephalopathy; and
9. Integrate the scalp EEG data with additional physiologic data in the ICU to interpret EEG patterns of uncertain significance.

Neurophysiologic Intraoperative Monitoring (NIOM) – Part I, II, III and IV

At the conclusion of this course, participants should be able to:

1. Describe basic modalities used in NIOM;
2. Recognize the appropriate methods and indications for a variety of common NIOM techniques;
3. Explain a variety of NIOM case presentations and interpretation of neurophysiologic data; and
4. Recognize some of the technical challenges and limitations of performing and interpreting NIOM studies.

Sleep

At the conclusion of this course, participants should be able to:

1. Identify the appropriate clinical use of sleep diagnostic testing;
2. Discuss the clinical and neurophysiologic manifestations of sleep-related movement disorders and demonstrate how to tailor evaluations to optimize recordings; and
3. Understand the differential diagnosis and evaluation of REM sleep behavior disorder and its prognostic implications.

Stereo-Encephalography (Stereo EEG) – Parts I, II, III, and IV

At the conclusion of this course, participants should be able to:

1. Distinguish the basic principles and techniques of SEEG;
2. Understand the indications and patient selection criteria for SEEG;
3. Recognize the role of SEEG in the diagnosis and management of epilepsy;
4. Demonstrate proficiency in SEEG electrode implantation techniques and interpretation of SEEG recordings; and
5. Identify the approach to cortical stimulation and functional mapping.

Video- Electroencephalography (Video EEG)

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

1. Discuss the goals, limitations and safety considerations of videoEEG;
2. Distinguish between the clinical characteristics of nonepileptic events and epileptic seizures; and
3. Recognize EEG features and clinical semiology that assist in localizing seizures onset.

SCHEDULE-AT-A-GLANCE All times are listed in ET.

FRIDAY, SEPTEMBER 27, 2024	
12:00 – 1:30 PM ET	Video EEG <i>Course Director: Katie L. Bullinger, MD, PhD, FACNS</i>
	Evoked Potentials <i>Course Director: Tatsuya Oishi, MD</i>
	EMG / NCS Part I <i>Course Director: Michael Skolka, MD</i>
2:00 – 3:30 PM ET	Autonomic Neurophysiology <i>Course Director: Pitcha Chompoopong, MD</i>
	Sleep <i>Course Director: Mithri R. Junna, MD</i>
	EMG/NCS Part II <i>Course Director: Michael Skolka, MD</i>
3:45 – 5:00 PM ET	Business of CNP Special Interest Group (SIG) Meet-Up
SATURDAY, SEPTEMBER 28, 2024	
12:00 – 1:30 PM ETw	ICU EEG Part I <i>Course Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACN</i>
	NIOM Part I <i>Course Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS</i>
	Stereo EEG Part I <i>Course Directors: David B. Burkholder, MD and Ramya Raghupathi, MD</i>
2:00 – 3:30 PM ET	ICU EEG Part II <i>Course Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS</i>
	NIOM Part II <i>Course Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS</i>
	Stereo EEG Part II <i>Course Directors: David B. Burkholder, MD and Ramya Raghupathi, MD</i>
3:45 – 5:00 PM ET	Special Interest Groups (SIG) Meet-Up
SUNDAY, SEPTEMBER 29, 2024	
12:00 – 1:30 PM ET	ICU EEG Monitoring Part III <i>Course Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS</i>
	NIOM Part III <i>Course Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS</i>
	Stereo EEG Part III <i>Course Directors: David B. Burkholder, MD and Ramya Raghupathi, MD</i>
2:00 – 3:30 PM ET	ICU EEG Monitoring Part IV* <i>Course Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS</i>
	NIOM Part IV* <i>Course Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS</i>
	Stereo EEG Part IV* <i>Course Directors: David B. Burkholder, MD and Ramya Raghupathi, MD</i>

COURSE AGENDAS

Friday, September 27, 2024

12:00 – 1:30 PM

Video EEG

Course Director: *Katie L. Bullinger, MD, PhD, FACNS*

- 12:00 PM EMU: Staffing, Technical Considerations and Safety
Jennifer Hopp, MD
- 12:25 PM Diagnosing Seizures and Spells using Video EEG
Denise Chen, MD
- 12:50 PM Presurgical Epilepsy Evaluation using Video EEG
Katie L. Bullinger, MD, PhD, FACNS
- 1:15 PM Discussion

Evoked Potentials

Course Director: *Tatsuya Oishi, MD*

- 12:00 PM Somatosensory Evoked Potentials (SSEPs)
Tatsuya Oishi, MD
- 12:25 PM Brainstem Auditory Evoked Potentials (BAEPs)
Ayat Allah Hussein, MD
- 12:50 PM Visual Evoked Potentials (VEPs)
Aatif M. Husain, MD, FACNS
- 1:15 PM Discussion

EMG / NCS – Part I

Course Director: *Michael Skolka, MD*

- 12:00 PM NCS: Introduction to Waveform Parameters
Jaclyn E. Jacobi, MD
- 12:25 PM NCS: Common Mononeuropathies & Polyneuropathies
Pitcha Chompoopong, MD
- 12:50 PM NCS: Artifacts and Troubleshooting
Deborah Setter, MD, PhD
- 1:15 PM Discussion

2:00 – 3:30 PM

Autonomic Neurophysiology

Course Director: *Pitcha Chompoopong, MD*

- 2:00 PM Evaluation of Sudomotor Function: QSART and TST
Kamal Shouman, MD
- 2:25 PM Evaluation of Cardiovagal Function: HR Response to Deep Breathing and Valsalva Ratio
Mohamed Kazamel, MD
- 2:50 PM Evaluation of Adrenergic Function: BP Response to Valsalva and Tilt
Pitcha Chompoopong, MD
- 3:15 PM Discussion

Sleep

Course Co-Director: *Mithri R. Junna, MD*

- 2:00 PM Sleep Diagnostic Testing
Mithri Junna, MD
- 2:25 PM Neurophysiologic Differentiation of Sleep-Related Movement Disorders
Muna Irfan, MD
- 2:50 PM Neurophysiology of REM Sleep Behavior Disorder
Stuart McCarter, MD
- 3:15 PM Discussion

EMG / NCS – Part I

Course Director: *Michael Skolka, MD*

- 2:00 PM EMG: Spontaneous Activity - Cases
Grayson Beecher, MD, FRCPC
- 2:25 PM EMG: MUP Analysis and Recruitment - Cases
Ashley Santilli, MD
- 2:50 PM EMG: Designing A Study - Cases
Michael Skolka, MD
- 3:15 PM Discussion

COURSE AGENDAS - ICU EEG MONITORING

Saturday, September 28, 2024

12:00 – 1:30 PM

ICU EEG Monitoring – Part I

Course Co-Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS

- 12:00 PM Patient Selection, Personnel and Equipment
Hiba A. Haider, MD, FACNS, FAES
- 12:25 PM Is ICU EEG Monitoring Worth the Cost and Resources?
Nicholas S. Abend, MD, MSCE, FACNS
- 12:50 PM Electrographic Seizures & Status Epilepticus and Outcomes?
Nicolas Gaspard, MD, PhD, FACNS
- 1:15 PM Discussion

2:00 – 3:30 PM

ICU EEG Monitoring – Part II

Course Co-Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS

- 2:00 PM Introduction to the ACNS Critical Care EEG Terminology
Michael W.K. Fong, BSc, MBBS, FRACP
- 2:25 PM Seizure Prediction and the Ictal-Interictal Continuum
Aaron F. Struck, MD, FACNS
- 2:50 PM Case-Based Approach to Neonatal ICU EEG Monitoring
Shavonne Massey, MD, MSCE, FACNS
- 3:15 PM Discussion

Sunday, September 29, 2024

12:00 – 1:30 PM

ICU EEG Monitoring – Part III

Course Co-Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS

- 12:00 PM Critical Care EEG in Resource Limited Settings
Andrea O. Rossetti, MD
- 12:25 PM Seizure Prediction and Targeted EEG Monitoring in the Pediatric ICU
France W. Fung, MD, MSc, FACNS
- 12:50 PM Hypoxic Ischemic Brain Injury - Seizures and Outcome Prediction
Edilberto Amorim, MD
- 1:15 PM Discussion

2:00 – 3:30 PM

ICU EEG Monitoring – Part IV

Course Co-Directors: Frank W. Drislane, MD, FACNS and Zubeda B. Sheikh, MD, MSCTS, FACNS

- 2:00 PM Multimodal Monitoring: Role of EEG and QEEG
Sahar F. Zafar, MD
- 2:25 PM Medication Associated EEG Changes in the ICU
Maria J. Bruzzone Giraldez, MD, FACNS
- 2:50 PM Quantitative EEG Basics with Cases
Brandon Foreman, MD, MS, FACNS
- 3:15 PM Discussion

COURSE AGENDAS - NIOM

Saturday, September 28, 2024

12:00 – 1:30 PM

NIOM – Part I

Course Co-Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS

- | | |
|----------|--|
| 12:00 PM | Intraoperative SEP
<i>Andres A. Gonzalez, MD, MMM, FACNS</i> |
| 12:25 PM | Intraoperative MEP + D Waves
<i>J.P. Clark, III, PhD, CNIM, DABNM</i> |
| 12:50 PM | Intraoperative EMG
<i>Eric J. Mariuma, MD</i> |
| 1:15 PM | Discussion |

2:00 – 3:30 PM

NIOM – Part II

Course Co-Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS

- | | |
|---------|---|
| 2:00 PM | BAEP Monitoring
<i>Alan D. Legatt, MD, PhD, FACNS</i> |
| 2:25 PM | CN Monitoring: EMG and Corticobulbar MEPs
<i>Isabel Fernandez-Conejero, MD</i> |
| 2:50 PM | Posterior Fossa Case
<i>Tatsuya Oishi, MD</i> |
| 3:15 PM | Discussion |

Sunday, September 29, 2024

12:00 – 1:30 PM

NIOM – Part III

Course Co-Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS

- | | |
|----------|---|
| 12:00 PM | EEG
<i>Michelle Mora, DO</i> |
| 12:25 PM | Anesthesia
<i>Ferenc Rabai, MD</i> |
| 12:50 PM | Cerebrovascular Cases
<i>Felix Chang, MD</i> |
| 1:15 PM | Discussion |

2:00 – 3:30 PM

NIOM – Part IV

Course Co-Directors: E. Matthew Hoffman, DO, PhD, FACNS and Elayna Rubens, MD, FACNS

- | | |
|---------|---|
| 2:00 PM | Spine Monitoring
<i>Ronald Emerson, MD, FACNS</i> |
| 2:25 PM | Spine Case
<i>Greg A. Schaublin, MD</i> |
| 2:40 PM | Supratentorial Sensory & Motor Mapping
<i>Kathleen Seidel, MD, PhD</i> |
| 3:05 PM | Supratentorial Tumor Case
<i>Andrea Szelenyi, MD, PhD</i> |
| 3:20 PM | Discussion |

COURSE AGENDAS - STEREO EEG

Saturday, September 28, 2024

12:00 – 1:30 PM

Stereo EEG – Part I: Pre-Implant Preparation

Course Co-Directors: David B. Burkholder, MD and Ramya Raghupathi, MD

- 12:00 PM Basic Principles of SEEG Electrode Placement
Giridhar P. Kalamangalam, MD, DPhil, FACNS
- 12:25 PM Caveats and Limitations of SEEG
Philippe Ryvlin, MD, PhD
- 12:50 PM Pediatric Considerations
Nancy A. McNamara, MD
- 1:15 PM Discussion

2:00 – 3:30 PM

Stereo EEG – Part II: Implantation and Monitoring

Course Co-Directors: David B. Burkholder, MD and Ramya Raghupathi, MD

2:00 – 3:30 PM

- 2:00 PM Electrode Placement Techniques
Jorge A. Gonzalez-Martinez, MD
- 2:25 PM Case(s) - Implantation
Jorge A. Gonzalez-Martinez, MD
- 2:40 PM Normal, Abnormal and Ictal SEEG Patterns
Birgit Frauscher, MD, PhD, FACNS
- 3:05 PM Case(s) - Patterns
Chifaou Abdallah, MD
- 3:20 PM Discussion

Saturday, September 28, 2024

12:00 – 1:30 PM

Stereo EEG – Part III: Extraoperative Action and Patient Care

Course Co-Directors: David B. Burkholder, MD and Ramya Raghupathi, MD

- 12:00 PM Stimulation Mapping - Function
Ravindra Arya, MD, DM, FACNS
- 12:25 PM Stimulation Mapping - Seizures
Saurabh R. Sinha, MD, PhD, FACNS
- 12:50 PM Patient Care and Safety in SEEG Monitoring
Shasha Wu, MD, PhD
- 1:15 PM Discussion

2:00 – 3:30 PM

Stereo EEG – Part IV: Treatment

Course Co-Directors: David B. Burkholder, MD and Ramya Raghupathi, MD

- 2:00 PM Making Decisions and Predicting Success with SEEG Data
Stephan U. Schuele, MD, MPH, FACNS
- 2:15 PM Case(s) - Surgical Decisions
Stephan U. Schuele, MD, MPH, FACNS
- 2:40 PM SEEG and Device Strategies
Katie L. Bullinger, MD, PhD, FACNS
- 2:55 PM Case(s) - Devices
Katie L. Bullinger, MD, PhD, FACNS
- 3:20 PM Discussion

Special Interest Group (SIG) Happy Hours

Business of Clinical Neurophysiology

Friday, September 27, 2024 • 3:45 – 5:00 PM

ICU EEG, NIOM, Stereo EEG

Saturday, September 28, 2024 • 3:45 – 5:00 PM

The ACNS SIGs are organized around several main areas of CNP practice providing members the opportunity to connect, network, and participate in interactive education, including case-based discussions, journal clubs, broad literature resources, and director-led interactive studies throughout the year.

For more information about the ACNS SIGs visit <https://www.acns.org/membership/acns-special-interest-groups-sigs>.