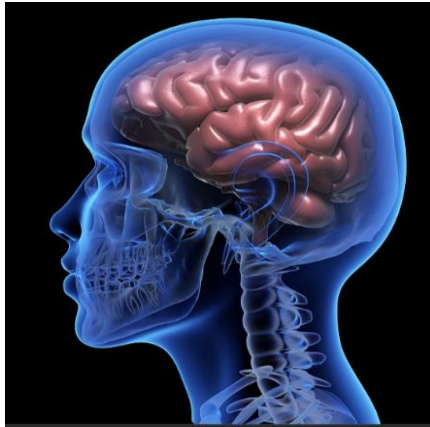


2020

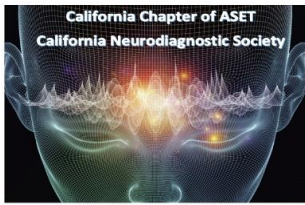
ANNUAL MEETING & COURSES



APRIL 17 – 19 * FRIDAY – SUNDAY

NEWPORT BEACH MARRIOTT RESORT & SPA

NEWPORT BEACH ■■■■■ CALIFORNIA



KEY NOTE SPEAKERS



Jeffrey Balzer, D. ABNM, PhD

Associate Professor
Director, Clinical Services, Center for Clinical
Neurophysiology
Director, Cerebral Blood Flow Laboratory
University of Pittsburgh Medical Center
Pittsburgh, PA

Marc R Nuwer, MD PhD

Professor and Vice Chair, Department of Neurology
David Geffen UCLA School of Medicine
Department Head, Clinical Neurophysiology
Ronald Reagan UCLA Medical Center
Los Angeles, CA



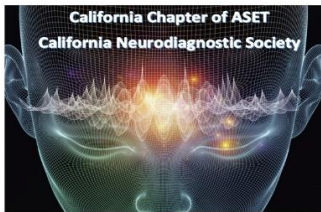
Richard Vogel, Ph D, D. ABNM

ASNM President
Philadelphia, PA

Mirela Simon, MD

Department of Neurology
Harvard Medical School
Boston, MA





COURSE OBJECTIVES

COURSE DESCRIPTION

The CALIFORNIA NEURODIAGNOSTIC SOCIETY – A CHAPTER OF ASET Annual Meeting & Courses provides comprehensive updates for the diagnostic & research practitioners in the specialties of EEG, Epilepsy, Evoked Potentials, Intraoperative Monitoring, Ambulatory EEG & Bedside Continuous EEG Monitoring.

Experts from Neurology & Neurodiagnostic will present on the state of the science, research applications and advanced updates.

In addition, board preparation courses addressing recent changes in the exam, critical information for board prep candidates and invaluable study materials shall be provided.

TARGET AUDIENCE

Professionals practicing in the following specialties:

EEG ■ Evoked Potentials ■ Intraoperative Neurophysiologic Monitoring ■ Ambulatory EEG ■ Neurophysiologists ■ Neurosurgeons ■ Neurologists ■ Orthopedists ■ ENT Surgeons ■ Anesthesiologists ■ Nurses ■ Audiologists ■

SYMPOSIUM OBJECTIVES

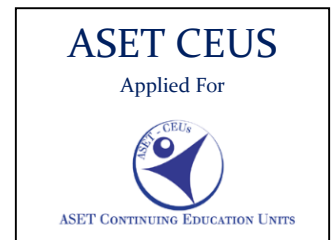
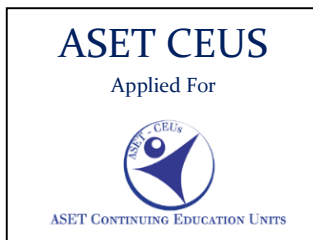
At the completion of this symposium, participants should be able to:

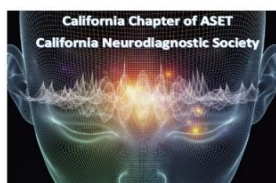
- Discuss the comprehensive principles for conducting and interpreting electrophysiologic studies in EEG, cEEG, EP, & IONM.
- Identify relevant neuroanatomy and neurophysiology
- Describe the principles and methods of recording and monitoring
- Develop an understanding of the elements for clinical decision making
- Develop an understanding of the basic aspects related to the business of service delivery

SYMPOSIUM REGISTRATION

Registration is available online at:

<https://www.signmeup.com/132069>





FOUNDATIONS OF EEG: BASICS TO BOARD READY

FRIDAY APRIL 17, 2020 * COURSE DIRECTOR:

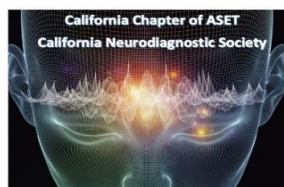
CHARU ELUVATHINGAL, R. EEG\EP T, CNIM, CLTM

MANAGER CLINICAL OPERATIONS EEG/EMU/EMG – UNIV OF CINCINNATI MEDICAL CENTER

- 8:55 Welcome & Introductions**
Charu Eluvathingal, R. EEG\EP T., CNIM, CLTM
University of Cincinnati Medical Center, Cincinnati Ohio
- 9:00 Pediatric EEG: Developmental Milestones, Pediatric Pattern Recognition & Unique Aspects of Pediatric Disease & Disorders**
Kathie O'Donovan, R. EEG T, CLTM
Consultant, Houston, Texas
- 10:00 Comprehensive Aspects of the Normal EEG: Background Rhythm, Activation Procedures, Benign Variants, Troubleshooting (Part One)**
Charu Eluvathingal, R. EEG\EP T., CNIM, CLTM
University of Cincinnati Medical Center, Cincinnati Ohio
- 10:30 Break with Exhibitors**
- 11:00 Comprehensive Aspects of the Normal EEG: Background Rhythm, Activation Procedures, Benign Variants, Troubleshooting (Part Two)**
Charu Eluvathingal, R. EEG\EP T., CNIM, CLTM
University of Cincinnati Medical Center, Cincinnati Ohio
- 11:45 Licensure Updates (Joint Session)**
Jennifer Montgomery
ASET, Government Advocacy, Kansas City, MO
- 12:15 Lunch (on your own)**
- 1:30 The Abnormal EEG: From Slowing to Spikes**
Amy Caccamo, R. EEG\EP T, CLTM
Medical City Dallas, Dallas, TX
- 2:00 Break with Exhibitors**
- 2:30 Instrumentation: Filters, Digital Conversion & Math**
Rebecca Clark-Bash, R. EEG\EP T, CNIM, CLTM, F. ASET, FASN
Knowledge Plus, Inc., President, Wesley Chapel, Florida
- 3:30 EEG For the Neurodiagnostic Technologist**
Cathy Boldery, CCT, R. EEG\EP T, CLTM, RPSGT, CNIM, F. ASET
NeurodiagnosticTx, LLC, Tyler, TX
- 4:00 Neonatal EEG: Epoch of Change, Method of Collection & Developmental Milestones**
Kathie O'Donovan, R. EEG T, CLTM
Consultant, Houston, Texas
- 5:00 Adjourn**

Sign Up NOW!

<https://www.signmeup.com/132069>



FOUNDATIONS OF IOM: BASICS TO BOARD READY

FRIDAY APRIL 17, 2020 * COURSE DIRECTOR:

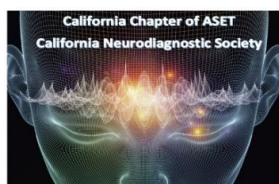
J BRIGHAM JONES R EEG\EP T, CNCT, CNIM

NEURODIAGNOSTIC FACULTY - CONCORDE CAREER COLLEGE SAN BERNARDINO, CA

- 8:55 Welcome & Introductions**
J Brigham Jones, R. EEG\EP T, CNCT CNIM
Concorde Career College, San Bernardino, CA
- 9:00 Comprehensive Complex Spine Monitoring: SEP & EMG in The Operating Room: Method, Data Analysis, Troubleshooting & Anesthesia**
Clare Gale, BS, R EEG\EP T, CNIM, F.ASNM, F.ASET
CEO/Owner, eWaveFORM, LLC
Granville, Ohio
- 10:30 Break with Exhibitors**
- 11:00 Tce MEP in the Operating Room: Method, Data Analysis, Troubleshooting & Anesthesia**
James Watt, BS, R EP T, CNIM
Surgical Neurophysiologist
Fayetteville, Arkansas
- 11:45 Licensure Updates: ASET (Joint Session)**
Jennifer Montgomery
ASET, Government Advocacy, Kansas City, MO
- 12:15 Lunch (on your own)**
- 1:45 Brainstem Auditory Evoked Potentials in The Operating Room: Method, Data Analysis, Troubleshooting & Anesthesia**
Rebecca Clark-Bash, R. EEG\EP T, CNIM, CLTM, F.ASET, F.ASNM
Knowledge Plus, Inc, President-Wesley Chapel, Florida
- 2:30 Break with Exhibitors**
- 3:00 Intraoperative EEG: Collateral Flow, Cerebral Aneurysm, Aortic Aneurysm & Cardiac Surgeries**
Cindy Francke, R. EEG\EP T, F.WSET, CNIM
Cadwell Laboratories, Applications Specialist, Seattle, WA
- 4:00 Pharmacologic Influence on Electroneurodiagnostic Intraoperative Medicine: Anesthesia in the Operating Room**
Eric Heyer, MD
Anesthesiologist, Restore Orthopedics, Orange, CA

Sign Up NOW!

<https://www.signmeup.com/132069>



COMPREHENSIVE INTRAOPERATIVE NEUROPHYSIOLOGIC MONITORING

COURSE DIRECTOR:

CHRISTINE HANNA, BS, CNIM

CALIFORNIA TERRITORY MANAGER – NATIONAL NEUROMONITORING SERVICES, ORANGE COUNTY, CALIFORNIA

Saturday April 18, 2020

9:00 Advanced Motor Evoked Potentials: Comprehensive Method, Stimulation Site Duplication & Maximization, "Priming" Theory & Application, Propofol Isn't Propofol Isn't Propofol, Complex Alarm Criteria Clarification

■ Jeffrey Balzer, D.ABNM, PhD
UPMC, Pittsburgh, PA

10:30 Break with Exhibitors

11:00 Billing & CPT Coding in IONM: Controversies in 95940 As a Technical Code, Fraud Potential & Billing Red Flags

■ Marc Nuwer, MD
UCLA, LA, CA

12:00 Lunch (On Your Own)

1:30 Advanced Spinal Cord Tumor Monitoring: Method, Data Analysis & Common Pitfalls

■ Richard Vogel, PhD, D.ABNM
ASNM President, Philadelphia, PA

3:15 Break with Exhibitors

3:00 Motor & Sensory Cortice Mapping: Traditional & Direct Cortical Method

■ Justin Silverstein,
DHSc, CNIM, R. EP T, R. NCST, CNCT
CEO/Owner-Neuro Protective Solutions
New York, NY

4:00 Surgical Solutions: Pre-existing Conditions, Preferred Approach & Monitoring Concerns

■ Eric Chang, M.D.
Restore Orthopedics, Orange, CA

Sunday April 19, 2020

9:00 The Multimodality Neurophysiologic Mapping Technique in Supratentorial Surgery – An Evolving Journey

■ Mirela Simon, MD
Harvard Med School
Boston, MA

10:30 Break with Exhibitors

11:00 Challenges in Neuromonitoring: Physician Oversight Compliance & Advocacy

■ Richard Vogel, PhD, D.ABNM
ASNM Pres Philadelphia, PA

12:00 Lunch (On Your Own)

1:30 Cardiovascular Anatomy & Interactive Case Studies

■ Jeffrey Balzer, D.ABNM, PhD
UPMC, Pittsburgh, PA

2:30 Break

2:45 Contemporaneous Evaluation of Intra Potentials for Patient Positioning: A Review of Four Cases.

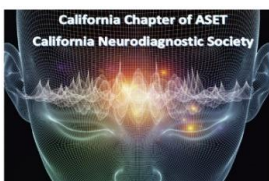
■ Justin Silverstein,
DHSc, CNIM, R. EP T, R. NCST, CNCT
CEO/Owner-Neuro Protective Solt
New York, NY

3:45 Proactive IOM During Thyroid, Parotid & Robotic Prostatectomy Surgeries

■ Jon Schiff, CNIM
President, Synaptic Resources, Inc
Austin, Texas

Sign Up NOW!

<https://www.signmeup.com/132069>



EEG, EPILEPSY, ICU EEG & AMBULATORY

COURSE DIRECTOR:

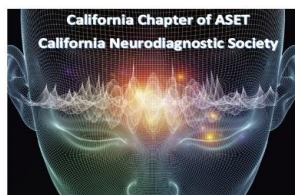
SABRINA GALLOWAY, BS, R EEG\EP T, CNIM, CLTM, F.ASET

DIR NEURODIAGNOSTIC SERVICES-NEUROMONITORING TECHNOLOGIES, GLENWOOD, MD

Saturday April 18, 200		Sunday April 19, 2020	
9:00	Long Term EEG: No Monitoring Vs Remote Monitoring: Is it Reimbursed? Is it Ethical? ■ Sabrina Galloway, BS, R EEG\EP T, CNIM,CLTM,F.ASET Neurodiagnostic Technologies, Inc Glenwood, MD	9:00	Non-Epileptic Seizures: Patient & Family Treatment Recommendations Tips, Tricks & Techniques ■ Kathie O'Donovan, R. EEG T, CLTM Consultant, Houston, Texas
9:45	CPT Coding 2020: Updates & Implications on Staffing, Ambulatory EEG & Long Term Studies ■ Marc Nuwer, MD Univ of California Los Angeles, California	10:00	Epilepsy Syndromes & Neurologic Pediatric Disease: EEG Findings, Seizure Semiology & Clinical Overview ■ Cindy Jenkinson, R EEG T, CLTM IntraNerve Neuroscience Largo, FL
10:45	Break with Exhibitors	10:45	Break with Exhibitors
11:15	Pre-Surgical Evaluation for Epilepsy Surgery ■ Inna Keselman, MD Univ of California Los Angeles, CA	11:15	The New CPT Code for Supplies: Optimizing Staff & Minimizing Cost (MRI, CT & Disposables) ■ Leah Hanson, R. EEG\EP T. Rhythm link International, LLC New Glarus, WI
12:15	Lunch (On Your Own)	12:15	Lunch (On Your Own)
1:30	The Multimodality Neurophysiologic Mapping Technique in Supratentorial Surgery – An Evolving Journey ■ Mirela Simon, MD Harvard Med School, Boston, MA	1:45	Lessons Learned Since the November First Final Rule: EEG in Crisis ■ Simon Griffin Lifelines Neurodiagnostics Inc Springfield, IL
3:00	Break with Exhibitors	2:45	Break
3:30	VNS, RNS & DBS for Epilepsy Patients: ■ Inna Keselman, MD Univ of CLA, Los Angeles, CA	3:00	Interpreting EEG Across All Care Environments: An Interactive Workshop ■ Amanda Ritchey, BS, R EEG T, CNIM, CLTM Next Gen Neuro, LLC Plainfield, Indiana
4:30	Over Reading EEG: A Practical Review Using Case Examples ■ Amy Caccamo, R EEG\EP T Medical City Dallas, Dallas TX	4:00	Activation Procedures, Diagnostic Yield & Best Practices in Activation ■ Leisha Osburn, MHA,MS,R EEG\EP T,CLTM, CNIM Next GeN Neuro, LLC Plainfield, IN

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BOARD PREP WORKSHOPS: BOOT CAMP:

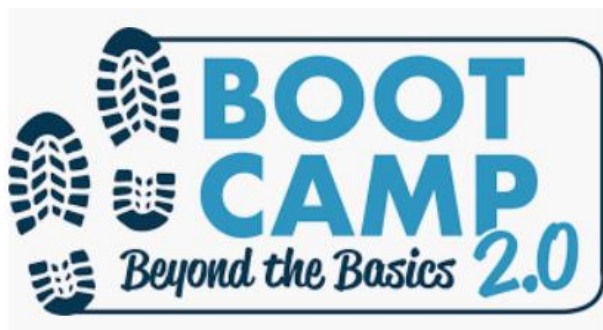
SATURDAY & SUNDAY MORNING WORKSHOPS ~ 7:30 AM

SATURDAY MORNING WORKSHOPS: Concurrent Focus Sessions		Faculty
7:30 - 8:30 am	CLTM BOARD PREP	Rebecca Clark-Bash R. EEG\EP T., CNIM, CLTM, F.ASNM, F.ASET
7:30 - 8:30 am	R. EEG T.* BOARD PREP	

SUNDAY MORNING WORKSHOPS ~ 7:00 AM

SUNDAY MORNING WORKSHOPS: Concurrent Focus Sessions		Faculty
7:30-8:30 am	CNIM* BOARD PREP BOOT CAMP	Rebecca Clark-Bash, R. EEG\EP T., CNIM, CLTM, F.ASNM, F.ASET
7:30-8:30 am	R. EP T.* BOARD PREP BOOT CAMP	

MEASUREMENT ASSESSMENT WORKSHOP: Concurrent Focus Sessions		Faculty
3 Hours Time TBA Will Be Held Before the Actual Day of the Exam	MEASUREMENT ASSESSMENT FOR R EEG T MEASURING EXAM	TBA



**EXAM PREP WORKSHOP **

*Offered by CNS-NOT ABRET
DATE TO BE ANNOUNCED
AWAITING ABRET TEST DATE

CALIFORNIA NEURODIAGNOSTIC SOCIETY

A CHAPTER OF ASET Annual Meeting & Courses

Meeting Location:

Newport Beach Marriott Resort & Spa

CALIFORNIA NEURODIAGNOSTIC SOCIETY Rate: \$ 179.00

900 Newport Center Drive, Newport Beach, California

Phone: 800.762.7770

Cut-Off Date for CALIFORNIA CHAPTER OF ASET Rate:

Friday April 3rd, 2020



ASET CEU Credits

ASET – The Neurodiagnostic Society has granted ASET-CEUs for this program.

Such crediting, however, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in these presentations.

Registration

Registration fee includes tuition, daily continental breakfast & break refreshments.

Registration Fees	Course	CALIFORNIA CHAPTER OF ASET Before 4/1	Non- Member	After 4/1
INTRAOPERATIVE NEUROPHYSIOLOGIC MONITORING COURSE & cEEG BEDSIDE MONITORING COURSE	Three Day Course	\$ 525	\$ 625	+ \$50
	Two Day Course	\$ 425	\$ 525	+ \$50
IOM FUNDAMENTALS OR EEG FUNDAMENTALS	FRIDAY ONLY	\$ 195	\$ 295	+ \$50
STUDENTS*	*Must be a registered student of a school accredited by the Commission on Accreditation of Allied Health Education Programs		\$ 175	\$ 275
DIGITAL HANDOUTS		\$ 150 /per course		
SATURDAY & SUNDAY WORKSHOPS /each		\$ 99	\$ 120	+ \$ 20

CALIFORNIA ELECTRONEURODIAGNOSTIC SOCIETY A CHAPTER OF ASET

*** SCHOLARSHIP ***

JuliaTriano.Scholarship@yahoo.com

Applications must submit application to the above e-mail no later midnight on March 20th 2020. Recipients and applicants shall be notified by March 27th, 2020.

*** THINGS TO DO-ORANGE COUNTY***

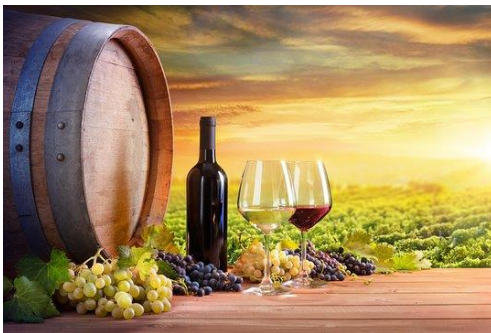


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CALIFORNIA ELECTRONEURODIAGNOSTIC SOCIETY A CHAPTER OF ASET

Registration Online: <https://www.signmeup.com/132069>

Exhibitor Opportunities - Contact Us:

Interesting in Exhibiting?

CALIFORNIA NEURODIAGNOSTIC SOCIETY – A CHAPTER OF ASET

Vendor Chair: Roberta Esfandiarfard

Phone: (530) 409-9607

E-mail: robertajesfandiarfard@yahoo.com

Register to Exhibit Now: <http://www.signmeup.com/132067>

Contact Us:

Questions? Contact Us:

<https://www.californianeurodiagnosticsociety.org/>



Wine & Cheese Reception

Saturday April 18, 2020

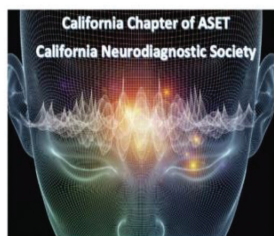
5:30 – 6:30 pm

Knowledge Plus, Inc.

Rebecca Clark-Bash

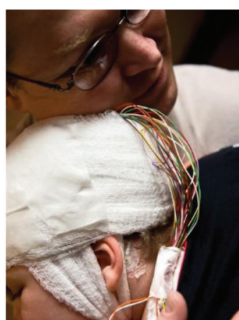
1936 Bruce B. Downs Blvd, Suite 213

Wesley Chapel, FL 33543



**Surgical Monitoring
Coding & Billing
Board Prep
EEG, Bedside, LTM
Ambulatory EEG**

CALIFORNIA CHAPTER OF ASET 2020 CALIFORNIA NEURODIAGNOSTIC SOCIETY ANNUAL MEETING & COURSES



APRIL 17 – 19 * FRIDAY – SUNDAY

NEWPORT BEACH MARRIOTT RESORT & SPA CALIFORNIA