California Society of ANESTHESIOLOGISTS

EEG WORKSHOP

SATURDAY, APRIL 11 | 12 - 4 PM

THE DISNEYLAND HOTEL, ANAHEIM CA

4.0 CME | 4.0 MOCA

Frontal processed EEG monitoring is widely recommended to help reduce intraoperative awareness, optimize anesthetic depth, and enhance recovery outcomes. Yet in practice, many clinicians rely primarily on the processed "depth of anesthesia" index, often overlooking the richer clinical insights available in the raw EEG and spectrogram.

Why? Because interpreting raw EEG can feel complex and inaccessible.

The EEG Mini Bootcamp is designed to change that.

This hands-on educational workshop equips participants with a clear, standardized, algorithm-based approach to reading and interpreting raw EEG and spectrogram data, empowering clinicians to move beyond the index and apply EEG monitoring with greater confidence, precision, and clinical impact.

TARGET AUDIENCE

Anesthesiologists, Anesthesiology Assistants, Nurse Anesthetists, Anesthesiology Residents, Anesthesiology Technicians, Medical Students interested in Anesthesiology, Neurologists, Intensivists, and Other Staff who evaluate brain function.

LEARNING OBJECTIVES

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

1. Apply a systematic framework for interpreting processed and raw EEG data to optimize anesthetic depth and reduce the risk of intraoperative awareness.
2. Differentiate EEG patterns across physiologic states and anesthetic conditions to support evidence-based clinical decision-making.
3. Evaluate substance- and medication-specific EEG signatures and incorporate these findings into individualized anesthetic management strategies.
4. Assess and mitigate common sources of EEG artifact to improve data reliability and patient safety.
5. Integrate advanced EEG interpretation skills into perioperative practice to enhance recovery profiles and overall quality of care.

FACULTY

ODMARA L. BARRETO CHANG, MD, PHD

University of California San Francisco

Topic: Clinical Rationale for Intraoperative EEG Monitoring & Artifact Recognition Strategies

MATTHIAS KRUEZER, PHD

Technical University of Munich

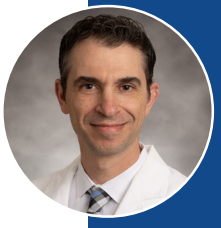
Topic: Drug-Specific EEG Signatures and Age-Related Variations in Anesthetic Brain Monitoring

PAUL GARCIA, MD, PHD

Division Chief Neuroanesthesia

Columbia University Irving Medical Center

Topic: What does the EEG indicate? A comprehensive overview from the basics to application, illustrated with an example of the ideal patient. Nociception and EEG, what's all the fuss?



ALEX PAPANGELOU, MD

Director of Neuroanesthesiology

Emory University School of Medicine

Topic: Applied EEG Interpretation Through Clinical Case Studies

REGISTER

CSA MEMBER: $55 BY 3/13 | $70 AFTER 3/13 | NON-CSA MEMBER: $65 BY 3/13 | $80 AFTER 3/13

Must be registered for a single day conference registration to register for a workshop.

/CSAHQ