

CONTINUING MEDICAL EDUCATION

Reading and Riding the Waves: Using EEG to guide anesthetic depth, protect the brain and personalise care- Wednesday Anesthesia Grand Rounds - 7/9/2025 – 72090-71396

Date: July 9, 2025

Time: 7:00 AM-8:00 AM

Biomedical Research Building

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 University Hospitals

Educational Objectives

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

- 1 1 . Identify basic patterns in raw EEG and spectrograms to assess anaesthetic brain states, including recognition of burst suppression and transitions between conscious states.
- 2 2. Identify the limitations of processed EEG indices and understand the value of integrating raw EEG and clinical judgement in intraoperative monitoring.
- 3 3. Apply EEG-guided strategies to optimise anaesthetic depth with the goal of minimising burst suppression and reducing the risk of postoperative neurocognitive complications.
- 4 4. Describe the EEG signatures associated with common anaesthetic agents and explain their underlying neurophysiological mechanisms.

Accreditation and Credit Designation Statements

Case Western Reserve University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Case Western Reserve University School of Medicine designates this live activity for a maximum of 1.00 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosures:

All relevant financial relationships have been mitigated. This activity's planners and speaker(s) have made the following disclosures:

Name of individual	Individual's role in activity	Nature of Relationship(s) / Name of Ineligible Company(s)
Nicholas Pesa, MD	Other Planning Committee Member	Nothing to disclose - 06/12/2025
Gareth S Kantor, MBBS	Faculty	Nothing to disclose - 06/06/2025
McKenna Bracy, MHA	Other Planning Committee Member	Nothing to disclose - 06/12/2025

PRESENTED BY:

SPONSORED BY:



Lynden Baesch, DO	Course Director	Nothing to disclose - 06/12/2025
Britney Dobroka, CRNA	Other Planning Committee Member	Nothing to disclose - 06/12/2025
Michael Altose, MD	Other Planning Committee Member	Nothing to disclose - 06/12/2025