

## CONTINUING MEDICAL EDUCATION

## Exploring the Role of Anesthesia in Long-term Postoperative Cognitive Dysfunction (POCD) in the Elderly - Wednesday Anesthesia Grand Rounds - 9/24/2025 – 77207-71396

Date: September 24, 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 Identify risk factors that place patient at risk of POCD (age, comorbidities, biomarkers, type of surgery, etc.)
- 2 Summarize current understandings of mechanisms leading to POCD including neuroinflammation pathways, oxidative stress, cerebral emboli, etc.
- 3 Identify risk associated with different anesthetic medications/techniques in precipitating POCD (volatile vs TIVA, general vs regional, use of eeg/BIS monitoring to assess depth of anesthesia)
- 4 Identify/summarize current evidence based approaches to minimize the risk of POCD in the elderly population as an anesthesiologist

### 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*<sup>™</sup>. 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                          |
| McKenna Bracy, MHA    | Other Planning Committee Member | Nothing to disclose - 06/12/2025                          |
| Lynden Baesch, DO     | Course Director                 | Nothing to disclose - 06/12/2025                          |
| Britney Dobroka, CRNA | Other Planning Committee        | Nothing to disclose - 06/12/2025                          |

PRESENTED BY:

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|                    |                                 |                                  |
|--------------------|---------------------------------|----------------------------------|
|                    | Member                          |                                  |
| Michael Altose, MD | Other Planning Committee Member | Nothing to disclose - 06/12/2025 |
| Joseph Kirolos, MD | Faculty                         | Nothing to disclose - 08/05/2025 |