

Saturday November 7:

8:00A – 8:15A Welcome address, explanation of format (Jeff Balzer PhD/ Josh Sunderlin MS, CNIM)

Principles of Intraoperative Neuromonitoring:

8:15A – 8:45A IONM: The History and Physiological Basis – Partha Thirumala, MD

8:45A – 9:15A Principles of EEG Monitoring During Surgery – Katherine Anetakis, MD

9:15A – 9:45A Principles of SSEP Monitoring During Surgery – Donald Crammond, PhD

9:45A – 10:00A BREAK – Exhibitor sponsored advertisement (15 min)

10:00A – 10:30A Principles of TcMEP Monitoring During Surgery – Jeffrey Balzer, PhD

10:30A – 11:00A Principles of BAER Monitoring During Surgery – James Castellano, MD, PhD

IONM For Awake Craniotomy:

11:00A – 11:30P Awake craniotomy procedures with language mapping – Pascal Zinn, MD

Saturday Keynote Speech:

11:30P – 12:15P “Cortical and Subcortical Motor Mapping in Neurooncological Surgery” – Kathleen Seidel, MD, Ph.D

12:15P – 12:45P LUNCH BREAK – Exhibitor Sponsored Advertisement

IONM For Spinal Surgery:

12:45A – 1:15P Spinal fusion Procedures – Jeremy Shaw, MD

1:15P – 1:45P Minimally Invasive Spine Procedures – Adam Kanter, MD

Controversies in IONM

1:45P – 2:15P Defining Significance in IONM Alerts – Partha Thirumala, MD

Improving IONM Practice:

2:15P – 2:45P Managing IONM practice – Ryan Quallich, CNIM

2:45P – 3:15P Quality Assurance – Katherine Anetakis, MD, & Mindy Corridoni, CNIM

3:15P – 3:30P BREAK – Exhibitor sponsored advertisement (15min)

3:30P – 4:00P Communication and Documentation (Medico-legal implications) – Jeffrey Balzer, PhD

INTERACTIVE SESSION #1

4:00P – 5:00P Troubleshooting Technical Problems with IONM Equipment – Katherine Anetakis, MD / Andrew Moyer, CNIM

INTERACTIVE SESSION #2

5:00P – 6:00P Case Studies in IONM – Partha Thirumala, MD / Josh Sunderlin, MS CNIM

6:00P ADJOURNMENT – DAY 1

Sunday November 8:

8:00A – 8:15A Morning Announcement (Jeff Balzer PhD/ Josh Sunderlin MS, CNIM)

Advanced Spinal IONM

8:15A – 8:45A Spinal Cord Stimulator – Jeff Balzer, Ph.D

8:45A – 9:15A Lumbar Nerve Root Monitoring – Rich Vogel, Ph.D

Advanced Craniotomy Procedures:

9:15A – 9:45A Microelectrode Recording for DBS – Donald Crammond, PhD

9:45A – 10:00A BREAK – Exhibitor sponsored advertisement (15 min)

10:00A – 10:30A IONM for Epilepsy Surgery – James Castellano, MD, Ph.D

10:30A – 11:00A Skull base procedures – George Zenonos, MD

DEMONSTRATIVE SESSION:

11:00A – 12:00P Cranial nerve EMG electrode placement and data recording – Donald Crammond, PhD / Gregory Adams CNIM

AI in Clinical Neurophysiology

12:00P – 12:30P Artificial Intelligence in IONM – Shyam Visweswaran, MD, PhD

12:30P – 1:00P LUNCH BREAK – Exhibitor sponsored advertisements (30min)

IOM For Stroke Prevention:

1:00P – 1:30P IONM and Stroke Prevention/Management – Partha Thirumala, MD

1:30P – 2:00P Neurointerventional Procedures - Bradley Gross MD

2:00P – 2:30P Carotid Endarterectomy & TCAR - Rabih Chaer, MD

2:30P – 3:00P Cardiopulmonary Bypass Aortic Arch Repair – Ryan Dzadony, M.Ed, CCP, LP

3:00P - 3:15P BREAK – Exhibitor Sponsored Advertisement (15min)

3:15P – 3:45P Preoperative Screening for Stroke: Who gets IONM? – Stephen Esper, MD

3:45P – 4:15P Advanced IONM for Open Cerebrovascular Procedures - Jaime Lopez, MD

INTERACTIVE SESSION #1:

4:15P – 5:15P Cerebrovascular Anatomy and Interactive Case Studies – Jeffrey Balzer, PhD / Carly Brog, CNIM

Sunday Keynote Speech:

5:15P – 6:00P “From Icarus to Aequanimitas - Overcoming Adversity and Acquiring Resilience” Joseph Maroon, MD

6:00P COURSE ADJOURNMENT