Saturday November 7:

8:00A – 8:15A  Welcome address, explanation of format (Jeff Balzer PhD/ Josh Sunderland 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:

12:45P – 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 Sunderland, 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)

IONM 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)
3:45P – 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