

DAY 1: Saturday Nov 5

700A – 715A	Welcome Address – Partha Thirumala, MD; R. Joshua Sunderlin, MS, CNIM
715A – 745A	Lecture: Modalities, Alarm Criteria, Significant Changes – (Partha Thirumala, MD)
745A – 815A	Lecture: IONM Checklist (Spine, Cardiac) – (R. Joshua Sunderlin, MS, CNIM)
815A – 915A	Interactive Case Studies: SSEP Fundamentals and cases (Krystal Kenny, CNIM)
915A – 930A	Break 15 min
930A – 1030A	Demonstrative Session: Creating tests on Specific Equipment for Specific Procedures #1 (Andrew Moyer, CNIM)
1030A – 1100A	Lecture: Skull Base Surgery & IOM (Georgios Zenonos, MD or Paul Gardner, MD)
1100A – 1130A	Interactive Case Studies: TcMEP cases (Varun Shandal, MD, and Jonathan Drumheller, CNIM)
1130A – 1230P	Lunch
1230P – 130P	Lecture: TcMEPs in Pediatric Population (Vizmary Montes-Peña, PhD)
130P – 230P	Workshop: Cadaver lab – placing SSEP/TcMEP/EEG/BAER electrodes (Dreux Priore, MS, R.EEG T and Anthony Gossett, CNIM)
230P – 330P	Demonstrative Session: Creating tests on Specific Equipment for Specific Procedures #2 (Joseph Laneve, DPT, CNIM)
330P – 345P	Break 15min
345P – 445P	Interactive Case Studies: IONM for stroke detection in Cardiovascular cases (Ibrahim Sultan, MD and Katherine Anetakis, MD)
445AP – 515P	Interactive Case Studies: IONM troubleshooting – Can you identify the technical problem? (Andrew Moyer, CNIM)
515P	Adjournment Day 1
7P – 9P	Meet and Greet at Hotel

DAY 2: Sunday Nov 6

700A – 715A	Welcome Address Day 2 – Partha Thirumala, MD; R. Joshua Sunderlin, MS, CNIM
715A – 815A	Lecture: Anesthesia, Physiology, and IOM (Brian Gierl, MD)
815A – 915A	Interactive Case Studies: Skull base procedures (Partha Thirumala, MD, and R. Joshua Sunderlin, MS, CNIM)
915A – 930A	Break 15min
930A – 1030A	Demonstrative Session: Creating tests on Specific Equipment for Specific Procedures #3 (Andrew Moyer, CNIM)
1030A – 1130A	Interactive Case Studies: Neuroendovascular Procedures (Brad Gross, MD and Jeffrey Balzer, PhD)
1130A – 1230P	Lunch
1230P – 130P	Lecture: Spinal Cord Injury Preclinical Models (Marco Capogrosso, PhD)
130P – 230P	Workshop: Cadaver lab – Cranial Nerve EMG Placement (Greg Adams, CNIM)
230P – 330P	Demonstrative Session: Creating tests on Specific Equipment for Specific Procedures #4 (Andrew Moyer, CNIM)
330P – 345P	Break 15min
345P – 445P	Interactive Case Studies: Craniotomy with mapping (Pascal Zinn, MD, and Shane Gordon, CNIM)
445P – 515P	Lecture: Medicolegal must knows for IONM providers – Jeffrey Balzer, PhD
5:15P	Adjournment Day 2 (Course adjournment)

Faculty:

Greg Adams, CNIM - Procirca Center for Clinical Neurophysiology

Katherine Anetakis, MD – University of Pittsburgh Department of Neurological Surgery

Jeffrey Balzer, PhD – University of Pittsburgh Department of Neurological Surgery

Marco Capogrosso, PhD - University of Pittsburgh Department of Neurological Surgery

Jonathan Drumheller, CNIM - Procirca Center for Clinical Neurophysiology

Paul Gardner, MD - University of Pittsburgh Department of Neurological Surgery

Brian Gierl, MD - University of Pittsburgh Department of Anesthesia

Shane Gordon, CNIM - Procirca Center for Clinical Neurophysiology

Anthony Gossett, CNIM – Procirca Center for Clinical Neurophysiology

Bradley Gross, MD - University of Pittsburgh Department of Neurological Surgery

Krystal Kenny, CNIM – Clinical Quality and Education Director for Real Time Neuromonitoring Associates

Joseph Laneve, DPT, CNIM – Supervisor IONM at West Virginia University Medicine

Vizmary Montes-Peña, PhD – Neurophysiologist with National Guard Health Affairs, Saudi Arabia

Andrew Moyer, CNIM – Director, Neurological Services for Procirca Center for Clinical Neurophysiology

Dreux Priore, MS, R.EEG T - Procirca Center for Clinical Neurophysiology

Varun Shandal, MD - University of Pittsburgh Department of Neurological Surgery

Ibrahim Sultan, MD – University of Pittsburgh Department of Cardiovascular Surgery

R. Joshua Sunderlin, MS, CNIM – Director of Education for Procirca Center for Clinical Neurophysiology

Partha Thirumala, MD - University of Pittsburgh Department of Neurological Surgery

Georgios Zenonos, MD - University of Pittsburgh Department of Neurological Surgery

Pascal Zinn, MD - University of Pittsburgh Department of Neurological Surgery