

Basic Course

Monday

8:00 - 8:15	Welcome and Announcements
8:15 - 10:00	Neuroanatomy, Neurophysiology and Blood Supply
10:00 - 10:30	Break
10:30 - 12:00	Neuroanatomy, Neurophysiology and Blood Supply (continued)
12:00 - 1:00	Break for Lunch
1:00 - 2:30	Instrumentation Review - All of the fun stuff: filters, differential amplifiers, AD Conversion, etc
2:30 - 3:00	Break
3:00 - 4:15	Somatosensory Evoked Potentials: Pathways, Generators, Waveforms, Change Criteria, Signal Optimization, etc
4:15 - 5:00	Somatosensory Evoked Potential Change Exercise

Tuesday

8:00 - 8:15	Announcements
8:15 - 10:30	Transcranial Motor Evoked Potentials: Anatomy, Anesthesia, Alarm Criteria, Signal Optimization, etc
10:30 - 11:00	Break
	Electromyography for Spinal Procedures: Anatomy, Theory and Alarm Criteria, Pedicle Screw Monitoring, Train of Four
11:00 - 12:00	Assessment, etc
12:00 - 1:00	Break for Lunch
1:00 - 2:00	Electromyography for Spinal Procedures (continued)
2:00 - 3:00	Troubleshooting and Signal Optimization
3:00 - 3:30	Break
3:30 - 5:00	Spinal Monitoring: Procedures, Structures at Risk, Monitoring Strategy, Things to Think About, etc

Advanced Course

Wednesday

8:00 - 8:15	Welcome and Announcements
	Brainstem Auditory Evoked Potentials: Anatomy, Monitoring Strategy and Structures at Risk, Alarm Criteria, Surgical
8:15 - 10:15	Procedures, etc
10:15 - 10:45	Break
10:45 - 12:00	Motor Cranial Nerves: Anatomy and Structures at Risk
12:00 - 1:00	Break for Lunch
	Monitoring Motor Cranial Nerves During Extracranial Procedures: Surgical Procedures, Structures at Risk, Things to Think
1:00 - 2:30	About, Anesthesia, Train of Four Assessment, Alarm Criteria, etc
2:30 - 3:00	Break
	Monitoring Motor Cranial Nerves During Intracranial Procedures: Surgical Procedures, Structures at Risk, Things to Think
3:00 - 4:30	About, Anesthesia, Train of Four Assessment, Alarm Criteria, etc
4:30 - 5:00	Special Cranial Nerve Monitoring Techniques

Thursday

8:00 - 8:15	Announcements
8:15 - 10:15	Advanced Spinal Monitoring Techniques: Tethered Cord and Cauda Equina Monitoring
10:15 - 10:45	Break
10:45 - 12:00	Advanced Spinal Monitoring Techniques: D-waves, H-reflex and Bulbocavernosa Reflex
12:00 - 1:00	Break for Lunch
1:00 - 2:45	Monitoring Techniques for Far Lateral Lumbar Surgery
2:45 - 3:15	Break
3:15 - 5:00	Pedicle Screw Monitoring Techniques for Cervical and Thoracic Procedures

Friday

8:00 - 8:15	Announcements
8:15 - 10:00	Paediatric Monitoring Techniques: Signal Optimization, Monitoring Strategies, Things to Think about, etc
10:00 - 10:30	Break
	Neuromonitoring in the Interventional Radiology Suite: Provocative Testing for Aneurysm, AVM and Other Spinal and Cortical
10:30 - 12:00	Vascular Anomalies
12:00 - 1:00	Break for Lunch
	Cortical and Subcortical Mapping and Monitoring Techniques: Review of The Tried and True and Evaluation of the New (Bipolar
	and Monopolar Mapping Techniques for Motor and Language Mapping, Monitoring Techniques, and Broca's Mapping Under
1:00 - 3:00	General Anesthesia)
3:00 - 3:30	Break
3:30 - 4:30	Trust Us!: This lecture will be a surprise to all attendees. Download link to handouts to be provided at the time of the lecture.)
4:30 - 5:00	Question and Answer Session