

Content of the Examination for CNIM Specialist in IOM Complex Spine

The microcredential examination for CNIM Specialist in IOM Complex Spine will be weighted in approximately the following manner:

- I. Preparation and Application of Fundamental Concepts.....25%
 - II. Intraoperative Phase.....65%
 - III. Post-Operative Phase.....5%
 - IV. Ethics.....5%
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- I. **Preparation and Application of Fundamental Concepts.....25%**
 - A. Neurological Disorder & Neuro examination – Preop Neuro Exam
 - B. Elements of History Related to IOM - Elements of a patient history
 - C. Special Consideration/Contraindication
 - D. Complex Spine Procedural Pre-Operative Risk Assessment/Modality Selection/Muscle & Nerve Selection
 - E. Medical Complex Spine Procedural terminology and stages
 - F. Complex Spine Specific neuroanatomy/neurophysiology/pathophysiology/pathology
 - G. Specialty Equipment Considerations/Familiarity
 - H. Anesthetic protocols for complex spine procedures
 - I. Safety protocols relevant to all modalities and specifically of import to complex spine cases

 - II. **Intraoperative Phase.....65%**
 - A. IOM Correlates of Clinical/Surgical Entities, Surgical Events and Risk
 - B. Obligate waveform Analysis Localization and Identification
 - C. Advanced troubleshooting techniques specific complex spinal cases
 - D. Alarm Criteria and Reporting Changes
 - E. ACNS Guidelines
 - F. Complex Spine Specific Electrical safety techniques - Safety protocols relevant to all modalities and specifically of import to complex spine cases
 - G. Risks associated with specific disorders/surgical procedures/patient positioning
 - H. Surgery specific monitoring protocols
 - I. Nonstandard electrode placement system
 - J. Evoked potentials, motor evoked potentials, D-Waves, spinal cord mapping, NAPs, DNEP and EMG correlates of clinical entities
 - K. Effects of drugs/anesthetic agents on recordings - Anesthetic Effects and Physiological Effects
 - L. Modality specific waveforms
 - M. Stimulation parameters for each modality

 - III. **Post-Operative Phase.....5%**
 - A. IOM Post-operative Outcomes
 - B. Postoperative Concerns/Care Complex Spine Specific

 - IV. **Ethics5%**
 - A. HIPPA
 - B. ABRET Code of Ethics
 - C. Regulatory Requirements