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Titolo	A practical approach to neurophysiologic intraoperative monitoring // editor, Aatif M. Husain, MD, Department of Neurology, Duke University Medical Center, Durham, North Carolina, Neurodiagnostic Center, Veterans Administration Medical Center, Durham, North Carolina
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Soggetti	Neurophysiologic monitoring Evoked potentials (Electrophysiology) Surgery - Complications - Prevention Electronic books.
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title; Copyright; Contents; Contributors; Preface; Share A Practical Approach to Neurophysiologic Intraoperative Monitoring: Second Edition; I: Basic Principles; Chapter 1: Introduction to the Operating Room; Aseptic Technique; Personnel; Equipment; Preparation and Planning; Safety; Etiquette and Follow-Up; Documentation; References; Chapter 2: Somatosensory Evoked Potentials; Clinical Anatomy; Methodology; Clinical Applications; Shortcomings; Acknowledgment; References; Chapter 3: Motor Evoked Potentials; Clinical Anatomy; Methodology; Clinical Applications Shortcomings and Safety IssuesReferences; Chapter 4: Brainstem Auditory Evoked Potentials; The Baep Waveform; Clinical Anatomy; Methodology; Clinical Applications; Shortcomings; References; Chapter 5: Electroencephalography; Clinical Anatomy and Physiology; Methodology; Shortcomings; References; Chapter 6: Electromyography; Clinical Anatomy; Methodology; Clinical Applications; Shortcomings; References; Chapter 7: Anesthetic Considerations; Principles of Anesthesia; Nonpharmacologic Factors; Effects of Specific Anesthetic

Agents; Anesthetic Techniques; References; II: Clinical Methods  
Chapter 8: Vertebral Column Surgery Clinical Anatomy; Pathology and  
Pathophysiology; Surgical Considerations; Neurophysiologic  
Intraoperative Monitoring Paradigm; Interpretation and Warning  
Criteria; Utility of Neurophysiologic Intraoperative Monitoring; Proposed  
Neurophysiologic Intraoperative Monitoring Paradigm; Technical  
Considerations; Future Directions; References; Chapter 9: Spinal Cord  
Surgery; Clinical Anatomy; Pathology: Spinal Cord Tumors; Symptoms  
and Diagnostic Evaluation; Surgical Considerations; Neurophysiologic  
Intraoperative Monitoring Paradigm  
Utility of Neurophysiologic Intraoperative Monitoring Technical  
Considerations; References; Chapter 10: Lumbosacral Surgery; Anatomy  
and Pathophysiology; Surgical Considerations; Neurophysiologic  
Intraoperative Monitoring Paradigm; Technical Considerations;  
References; Chapter 11: Tethered Cord Surgery; Anatomy;  
Pathophysiology; Symptoms; Surgical Considerations; Neurophysiologic  
Intraoperative Monitoring Paradigm; Utility of Neurophysiologic  
Intraoperative Monitoring in Tethered Cord Syndrome Surgery  
Proposed Paradigm for Neurophysiologic Intraoperative Monitoring in  
Tethered Cord Syndrome Surgery Technical Considerations; Future  
Directions; References; Chapter 12: Selective Dorsal Rhizotomy; Clinical  
Anatomy; Pathology/Pathophysiology; Symptoms; Surgical  
Considerations and Neurophysiologic Intraoperative Monitoring; Utility  
of Neurophysiologic Intraoperative Monitoring; Proposed  
Neurophysiologic Intraoperative Monitoring Paradigm; Technical  
Considerations; Future Directions; References; Chapter 13: Peripheral  
Nerve Surgery; Clinical Anatomy; Pathophysiology; Symptoms  
Surgical Considerations

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Sommario/riassunto

This book fills a much-needed niche in NIOM and is a valuable addition to the library of those specialties and a useful tool for practitioners. The book will be a frequently referenced textbook for all professionals in NIOM, who will find this book invaluable. By referencing to the book, I believe that neurophysiology trainees and technologists will gain much insight into the operation of NIOM; surgeons and anesthesiologists will appreciate what the NIOM may offer in improving surgical outcomes; and the laboratory managers will find materials that will help them set up laboratory policies, pro

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