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Nota di contenuto	Chapter 1. Introduction to the Operating Room -- Chapter 2. Anatomy of Intraoperative Monitoring -- Chapter 3. Cellular Neurophysiology -- Chapter 4. Electrophysiology and Bioinstrumentation -- Chapter 5. Anesthesiology and Intraoperative Electrophysiological Monitoring -- Chapter 6. Somatosensory-Evoked Potential Monitoring -- Chapter 7. Motor Evoked Potentials -- Chapter 8. Electromyography (EMG) -- Chapter 9. Brainstem Auditory Evoked Potentials -- Chapter 10. Electroencephalography -- Chapter 11. The H-Reflex and F-Response -- Chapter 12. Monitoring Procedures of the Spine -- Chapter 13. Monitoring and Mapping of the Spinal Cord -- Chapter 14. Monitoring Posterior Fossa Craniotomies -- Chapter 15. Intraoperative Monitoring for Carotid Endarterectomy -- Chapter 16. Monitoring ENT Procedures -- Chapter 17. Peripheral Nerve Monitoring -- Chapter 18. Intraoperative Cortical Mapping: Basic Concepts, Indications, and Anesthesia Considerations -- Chapter 19. Neuromonitoring in the Pediatric Patient -- Chapter 20. Neurological Assessment and Correlation in Spinal Cord Nerve Root Pathology -- Chapter 21. Electrophysiological Assessment of Spinal Cord Pathology in Pain Medicine -- Chapter 22. Spinal Cord Stimulation: Principles and

	Applications -- Chapter 23. New Vistas: Intraoperative Neurophysiological Monitoring and Small-Pain-Fibers Method of Testing for Spinal Cord Assessment in Pain States.
Sommario/riassunto	This book is a comprehensive, focused resource on intraoperative neurophysiological monitoring (IOM). This rapidly evolving field has created a demand for an up-to-date book such as this that builds on foundational concepts necessary to the practice of IOM in the context of anatomy and physiology. Each chapter is designed to not only inform the reader, but to also test the reader on the information presented - therefore promoting practical, problem-based learning. Boxes on important pathological conditions supplement chapter discussions, along with high quality figures and tables. Surpassing the quality of its successful predecessor, Principles of Neurophysiological Assessment, Mapping, and Monitoring, Second Edition, is positioned to suit the needs of residents and fellows studying for the IOM certificate programs, physicians and anesthesiologists practicing IOM, and neurotechnologists both experienced and in training. .