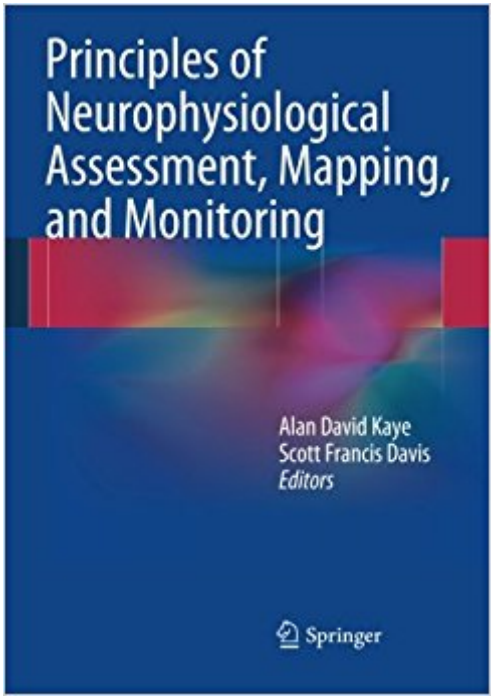
Principles Of Neurophysiological Assessment, Mapping, And Monitoring



Synopsis

This book provides foundational knowledge of intraoperative monitoring (IOM) and is written for the range of clinicians who monitor the function of the nervous system during surgery, from new technologists to neurophysiologists and neurosurgeons. Early chapters describe the building blocks of IOM in accessible terms and are followed by practical chapters on monitoring and mapping that show basic and clinical science Ã¢â ¬Å“in actionÃ¢â ¬Â•. Anesthesiologists and trainees with an interest in diagnosing and managing pain will appreciate the inclusion of chapters on the electrophysiological assessment of spinal cord pathology and on the treatment of pain. Principles of Neurophysiological Assessment, Mapping, and Monitoring is designed for use as a text in academic courses or in corporate training programs. It also provides a concise refresher for experienced clinicians and for physicians, neurophysiologists, and technologists preparing for board exams.

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Customer Reviews

From the book reviews:Ã¢â ¬Å“This is an overview of the principles of neuromonitoring and the role it plays intraoperatively in different surgical procedures. Ã¢â ¬Â¦ The audience includes surgeons, neurologists, technicians, anesthesiologists, and even students, since it is easy to understand. Ã¢â ¬Â¦ It is brief and to the point, a real pleasure to read. This is a must-read for anesthesiologists, although other physicians may find it helpful if they want to make a meaningful contribution to the care of their patients during surgery.Ã¢â ¬Â• (Tariq M. Malik, DoodyÃ¢â ¬â„¢s Book Reviews, August, 2014)

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Up to date reference in the IOM field, great co-authors, beautifully illustrated and a very practical textbook

Neurophysiological Assessment with MonitoringSpringer New York, Berlin, HeidelbergJoseph J Grenier MD PhDThis text is beautifully written as both an atlas and text regarding the neuroanatomy and clinical neurophysiology of Intraoperative Monitoring for both orthopaedics and neurosurgery. It is meant as a helpful guide concerning the education of all audiences wanting a current treatment of neurophysiology in human surgery.The neuroanatomy of the brain and spinal cord is covered well with nice in color line diagrams and pictures. The vasculature, white matter, and grey matter nuclei are described well. The H reflex, EMG tracings, EEG, somatosensory, and somatomotor physiology subjects are given separate chapters in the book. This book is perhaps the best textbook overall, functioning as a primer and easy to read reference.

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