

# A Concise Guide to Intraoperative Monitoring


By George Zouridakis, Andrew C. Papanicolaou




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Covering both the applications and the related theory, *A Concise Guide to Intraoperative Monitoring* provides a general but comprehensive introduction to IOM. Unlike existing texts that typically report the results of specific studies, this book presents comprehensive coverage of the entire procedure, as well as the specific protocols used in hospital practice, examples of typical recordings, possible problems, and recommended solutions. At the end of each chapter the author poses several questions for review. These questions help technologists and medical residents in their preparation for the board exams. Taken together, these features make the book an ideal reference or training manual.

*A Concise Guide to Intraoperative Monitoring* begins by discussing the basic principles underlying the generation of bioelectrical signals. It then describes the electronic equipment and the various electrophysiological procedures involved in IOM. From this foundation, the book gradually advances to more specific topics, such as surgical procedures, neuronal structures at risk, the optimum combinations of tests to administer, and the proper interpretation of test results. The material also provides you with a background on general anesthesia and analyzes the effects of various drugs on electrophysiological recordings. *A Concise Guide to Intraoperative Monitoring* also discusses the proper placement of stimulation and recording electrodes, as well as intervention strategies and equipment troubleshooting.

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- Sales Rank: #826339 in Books
- Brand: Brand: CRC Press
- Published on: 2000-12-07
- Original language: English
- Number of items: 1
- Dimensions: 10.32" h x .62" w x 5.68" l, .93 pounds
- Binding: Hardcover
- 216 pages

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