

## Read PDF A Concise Guide To Intraoperative Monitoring

# A Concise Guide To Intraoperative Monitoring

*Not another textbook for neuropathology! Yes, Our publishers helped us with this last problem by we hear you and feel your pain. In fact, that was our insisting on black and white photographs. We ini initial response when we were approached to write tially protested, noting that many recent textbook the book you are now holding. In surveying the reviews seemed to be primarily guided by whether expanse of currently available neuropathology illustrations were in color (good) or black and white textbooks, however, we came to feel that there was (bad).*

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*However, upon further reflection we accepted a place for a book that could combine our career this mandate as a blessing in disguise, allowing the experiences of trying to discern what is known (and reader to focus on differences in morphology, rather knowable) with the perennially proposed question, than tincture, as a guide to correct diagnosis. In fact, "What do we need to know?" Together we tried to one of us (M. e. ) has always been a fan of black and produce a book that would be practical, understand white photography, both in histologic atlases as well able, and to the point (minimizing reading time as in the immortal photographs of artists ranging from during intraoperative consultation). We have con Ansel Adams to Diane Arbus.*

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*The Cervical Spine is the most comprehensive, current, and authoritative reference on the cervical spine. Prepared by internationally recognized members of The Cervical Spine Research Society Editorial Committee, the Fifth Edition presents new information, new technologies, and advances in clinical decision making. The text provides state-of-the-art coverage of basic and clinical research, diagnostic methods, and medical and surgical treatments, bringing together the latest thinking of the foremost orthopaedic surgeons, neurosurgeons, neurologists, rheumatologists, radiologists, anatomists, and bioengineers. Chapters cover anatomy, physiology, biomechanics, neurologic and functional evaluation, and radiographic evaluation and address the full range of pediatric problems, fractures, spinal*

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*cord injuries, tumors, infections, inflammatory conditions, degenerative disorders, and complications. Accompanying the text is a website with the fully searchable text plus a color image bank.*

*This text provides a comprehensive overview of the essential concepts and malignancies of hematology. Now in its second edition, the book reviews every major hematologic disorder and disease entity in thorough detail, from incidence and prevalence to patient and treatment-related issues. Formatted in an organized and easy-to-read outline style to facilitate rapid learning and information processing, the book allows readers to easily locate topics of immediate interest without wading through entire sections to obtain the desired data. Written by a diverse*

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*range of experts in the field, Concise Guide to Hematology, Second Edition is a valuable resource for clinicians, residents, trainees, and entry-level fellows who work in or are just entering the field of hematology.*

*This title enables readers to understand how to undertake appropriate neurophysiological investigations in the critical care setting. The book addresses the scientific principles (biological and technological), recording techniques, the development of electrical potentials in normal subjects, and the ways these are disturbed by trauma, surgery and disease. The impact of digital technologies and the possibilities of quantification, statistical treatment and advanced signal processing techniques have enabled practitioners to work to more rigorous scientific*

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*standards. The increasing availability of such tools in daily clinical work means that patients can now benefit from investigations of known specificity and sensitivity.*

*Navigation, Robotics, Endoscopy, Augmented and Virtual Reality  
The Cervical Spine*

*A concise guide for postgraduate exams*

*Outcomes of Skin Surgery*

*Neurophysiological Monitoring During Intensive Care and Surgery*

*A Practical Approach to Neurophysiologic Intraoperative Monitoring*

***As the benefits of surgical robotic systems in spine***

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*surgery become more widely known, spine procedures that utilize these technologies are expected to greatly increase over the next decade. Robotic and Navigated Spine Surgery: Surgical Techniques and Advancements provides up-to-date, authoritative clinical guidance in this dynamic area for surgeons who are already using these innovative methods, as well as for those exploring the field. In a single, convenient source, this title comprehensively summarizes clinical studies, advancements, and expert recommendations regarding today's robotic and navigated spine surgery. Covers the recent advancements and impact that popular*

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*neuronavigation devices and surgical robots have had on the surgical management of the spine, including clinical studies, technical guides, review papers, and expert recommendations. Discusses devices that today's surgeons are most likely to use, such as navigation devices, robotics, augmented reality, and virtual reality systems. Includes focused content on complex spine surgeries, where navigation and robotic devices can have the most significant impact. Features procedural images including radiographs, surgical photos, and equipment photos for visual guidance. Contains chapters on navigation in occipital and cervical spine surgery,*



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*spinal trauma and navigation, navigated and robotic-assisted deformity correction, cost-effectiveness of robotic and navigation systems, virtual reality and augmented reality in spine surgery, and more.*

*This book aims to assist ophthalmologists in providing the best possible care for children with congenital cataracts. The entire patient pathway is covered, from preoperative assessment through application of the various surgical techniques to postoperative care and management of complications. Among the topics discussed are new developments in molecular genetics relevant to patient evaluation, intraocular lens power*

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*formulas, and the findings of the Infant Aphakia Treatment Study. The surgical section describes anterior capsulotomy, lensectomy, selection of intraocular lens (IOL) power, IOL implantation in the capsular bag, posterior capsulotomy techniques, the use of secondary IOLs and iris-fixated IOLs in children, and surgical management in developing countries. Visual outcomes after surgery are also fully addressed, with chapters on the occurrence of strabismus, nystagmus, and poor stereopsis.*

*This is a how-to book. The first half is on evoked potentials from a variety of types. These are the basis for*

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*intraoperative monitoring. The second half is the actual methods used to monitor the patient during surgery. This is important to prevent injury to the patient during surgery.*

*Niedermeyer's Electroencephalography: Basic Principles, Clinical Applications, and Related Fields, Seventh Edition keeps the clinical neurophysiologist on the forefront of medical advancements. This authoritative text covers basic neurophysiology, neuroanatomy, and neuroimaging to provide a better understanding of clinical neurophysiological findings. This edition further delves into current state-of-the-art*

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*recording EEG activity both in the normal clinical environment and unique situations such as the intensive care unit, operating rooms, and epilepsy monitoring suites. As computer technology evolves, so does the integration of analytical methods that significantly affect the reader's interpretations of waveforms and trends that are occurring on long-term monitoring sessions.*

*Compiled and edited by Donald L. Schomer and Fernando H. Lopes da Silva, along with a global team of experts, they collectively bring insight to crucial sections including basic principles of EEG and MEG, normal EEG, EEG in a clinical setting, clinical EEG in seizures*

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*and epilepsy, complementary and special techniques, event-related EEG phenomena, and shed light on the future of EEG and clinical neurophysiology. Akin to an encyclopedia of everything EEG, this comprehensive work is perfect for neurophysiology fellows, as well as neurology, neurosurgery, and general medical residents, and for the interns and medical students, and is a one-stop-shop for anyone training in EEG or preparing for neurophysiology or epilepsy board exams.*

*A Practical Handbook*

*Sustainable Technologies for the Health of All*

*A Scientific Assessment of the Validity of Mystical*

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### *Experiences*

### *A Reference Guide to Intraoperative Neurophysiological Monitoring (IONM)*

### *A Practical, Evidence-Based Pocket Guide Perioperative Medicine*

Part of the bestselling Secrets Series, the updated sixth edition of Neurology Secrets continues to provide an up-to-date, concise overview of the most important topics in neurology today. It serves as a comprehensive introduction for medical students, physician assistants and nurse practitioners, and is also a handy reference and refresher for residents and practitioners. Lists,

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tables, and clear illustrations throughout expedite review, while the engaging Secrets Series format makes the text both enjoyable and readable. New lead editors, Drs. Kass and Mizrahi, join this publication from a leading neurology program to lend a fresh perspective and expert knowledge. Expedites reference and review with a question-and-answer format, bulleted lists, and practical tips from the authors. Covers the full range of essential topics in understanding the practice of neurology. Features "Key Points" boxes to further enhance your reference power. Presents a chapter containing "Top 100

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Secrets" for an overview of essential material for last-minute study or self-assessment. Fits comfortably in the pocket of your lab coat to allow quick access to essential information. Completely revised content covers all of today's most common neurologic conditions and their treatments. New lead editors offer a fresh perspective and expert knowledge. This book provides an essential update on microvascular decompression (MVD) surgery, which has been widely accepted as an effective remedy for cranial nerve hyperexcitability disorders such as hemifacial spasm, trigeminal neuralgia,



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glossopharyngeal neuralgia, etc. The authors describe in detail those steps of the process that need the most attention in order to achieve an excellent postoperative outcome, including positioning, craniectomy, approach and identification of the culprit, etc. Though it primarily focuses on surgical principles and technical nuances, the book also addresses the intraoperative electrophysiologic monitoring and pathogenesises of hemifacial spasm and trigeminal neuralgia.

This concise handbook has a unique approach and covers all important aspects of head and neck cancers from basic topics like carcinogenesis to advanced

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treatment options such as immunotherapy, electrochemotherapy, and robotic surgery in a succinct way. As every treatment center manages its patients with a different modality as per their institutional protocol, this book endeavors to standardize the processes by discussing the management of cancers of all anatomic areas in view of the National Comprehensive Cancer Network (NCCN) guidelines, which is the committee that prepares protocols for management of cancers and every head and neck oncosurgeons must adhere to for their clinical practice. Key Features Explains the topics through

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flowcharts and diagrammatic representations that are helpful for exam preparation This book aims to serve as a valuable resource for postgraduate residents of maxillofacial surgery, ENT and otolaryngology, general surgery, plastic surgery, and junior specialists Serves as a comprehensive, evidence-based quick reference for the clinician on the go

Tumors involving peripheral nerves may be extremely challenging lesions to diagnose and treat. In order to optimize their management, physicians should have a thorough knowledge of peripheral nerve anatomy and pathology (both gross and microscopic), as well as

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familiarity with microsurgical techniques and intraoperative neurophysiological recording. This compendium deals with all aspects of tumors affecting peripheral nerves, from diagnosis to treatment; the topics it addresses range from epidemiology, anatomy, physiology, pathology, and clinical diagnosis to electrophysiology, imaging, genetic/cytomolecular aspects. Surgical approaches, biopsies and resection of various benign, malignant and pseudo-tumoral lesions, plexus tumors (both brachial and lumbosacral), and adjunctive treatment modalities and pain-related issues are described in detail. The book is intended not

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only for neurosurgeons, hand surgeons, plastic and orthopedic surgeons new to the field, but also for seasoned specialists who wish to update their knowledge with new insights based on robust experimental and clinical material. In addition, it will be a helpful tool for general and oncological surgeons who are sometimes faced with the treatment of mass lesions that may be potential nerve tumors, and for all practitioners who are engaged in the arduous struggle to bring relief to patients affected by these lesions.

Intra-Operative Monitoring

Head and Neck Oncology

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Diagnostic Assessment and Treatment of Peripheral Nerve Tumors

A Concise Guide to Diagnosis and Management

A Comprehensive Approach

Surgical Techniques and Advancements

***Health Information Technology Basics gives your students an introduction to the fundamental concepts of the health information technology profession. Perfect for introductory courses where core material in the health information profession is being introduced, this book is written for associate degree level HIT programs at technical, community, or career colleges. The text begins with an***

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***introduction to the U.S. health care system and explores career opportunities within the health information profession. The health record is dissected and its many components are carefully reviewed. The book also examines various formats of the medical record and analyzes the advantage and disadvantages of the EHR. Finally, the text covers medical terminologies and classification systems and outlines the basics of reimbursement systems. Features: Each chapter begins with learning objectives and key terms to give the reader a synopsis of what he/she should expect to learn. Additional resources are listed at the end of each chapter for further exploration of the information***

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***covered in the chapter. A glossary is included for quick reference of main terms presented throughout the text. An accompanying Instructor's Manual provides review exercises which recap the important points as well as lab assignments that allow students to apply the information in a practical setting. Perioperative Medicine uses a concise, highly practical, bulleted format designed to ensure rapid comprehension of key concepts and reinforce the reader's understanding of complex topics in perioperative medicine. It contains authoritative, up-to-date coverage of the most essential concepts in perioperative care from preoperative risk assessment to postoperative follow-up. The Editor***



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***and his contributors use their expert insight and experience to provide an in-depth review of comorbid conditions, patient and surgery-specific risk assessment, and common postoperative complications. This new book reviews recent developments in the field, including published guidelines, and emphasizes an evidence-based, cost-effective approach designed to ensure quality, patient safety, and optimal outcomes. It is intended for use by hospitalists, general internists and subspecialists as well as anesthesiologists, surgeons, and residents in training who are caring for patients before and after surgery. Rapid Perioperative Care is an essential text for***

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***students and practitioners requiring up-to-date fundamental information on the perioperative environment. Covering a wide range of subjects related to perioperative practice and care, each chapter is concise and focused to guide the reader to find information quickly and effectively. This book uses a structured approach to perioperative care, starting with an introduction to the perioperative environment, anaesthetics, surgery and recovery, followed by postoperative problems and finally the roles of the Surgical Care Practitioner (SCP). Covering all the key topics in the perioperative environment, this concise and easy-to-read title is the perfect quick-reference book for students and***

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***theatre practitioners to support them in their work in clinical practice, and enable them to deliver the best possible care.***

***This book contains 10 chapters and 11 quizzes and has a total of 600 multiple choice questions. These questions are designed for easy understanding and memorization. This is an excellent resource for someone who is getting trained or is ready to take a certification exam in IONM. This book can be used by technologists, neurophysiologists, neurologists, anesthesiologists, neurosurgeons, orthopedic surgeons or ENT surgeons as a quick guide to understanding the basics of surgical neurophysiology. "Dr. Jahangiri provides a clear and***

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***concise guide for the technologist preparing for the CNIM. In addition, the book covers the basics of IONM and should be a staple reference for the practicing technologist. The book has an easy style and broad coverage of the field of IONM with questions to challenge the reader...this book should be on the shelf of every IONM laboratory." Jeffery Balzer, PhD, FASNM, DABNM Associate Professor of Neurological Surgery University of Pittsburgh Medical Center "Uniquely organized didactic and practical language separates this book. A CNIM myself, I certainly wish I could have benefited from this invaluable source when preparing for the exam! Eliminating the need for multiple handouts on***

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***guidelines, sample tests and answer sheets, everything is held in this handy 6"x 9" comprehensive reference and study guide. The author's unique approach to teaching IONM is exemplified in this book." Katrina Huggins, CNIM, FASCN (Vice President) Christopher Townsend, CNIM, FASCN (President) At United Neurodiagnostic Professionals of America***

***Basic Principles, Clinical Applications, and Related Fields***

***Understanding Altered Psychological and Neurophysiological States***

***Atlas of Thyroid Surgery***

***Technical Advances in Minimally Invasive Spine***

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## ***Surgery***

### ***Neurology Secrets E-Book***

### ***Rapid Perioperative Care***

This book is a concise guide to minimally invasive spine surgery (MISS), with emphasis on techniques, procedures and equipment. Divided into five sections, the authors discuss MISS for different areas of the spine – cervical, thoracic and lumbar. Each section is presented with a step by step approach, with an introduction, clinical evaluation, intraoperative positioning, surgical techniques and potential pitfalls. The final sections discuss the instruments used for MISS and some special topics. Written by a highly experienced

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author team from the USA, this book covers all aspects of MISS, including tumours, trauma and deformity. Nearly 120 full colour images and illustrations are included to enhance learning. Key points Concise guide to minimally invasive spine surgery (MISS) emphasising techniques, procedures and equipment Covers all aspects of MISS (tumours, trauma and deformity) in all areas of the spine – cervical, thoracic and lumbar Highly experienced author team from the USA Includes nearly 120 full colour images and illustrations Vols. 8-10 of the 1965-1984 master cumulation constitute a title index. This book, now in an extensively revised second edition,

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summarizes the basic principles of nuclear medicine and describes the clinical applications of commonly used nuclear medicine procedures and techniques. Readers will find clear explanation of clinical indications, the pathophysiological basis of functional procedures, and the complementary role of nuclear medicine and molecular imaging in relation to diagnostic radiology. Throughout, emphasis is placed on the added diagnostic value offered by the new hybrid imaging modalities. The various therapeutic applications of nuclear medicine are also discussed. Compared with the first edition, technical details have been significantly simplified. The book will be an ideal introduction to nuclear medicine for medical



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students and will serve as an excellent quick reference for referring physicians, enabling them to utilize this modern medical specialty more efficiently.

A Practical Approach to Neurophysiologic Intraoperative Monitoring covers all aspects of neurophysiologic intraoperative monitoring (NIOM), which is increasingly being used to continuously assess the functional integrity of a patient's nervous system during surgery. With training in NIOM seldom available in traditional programs, this book is the only practical source for essential information on the clinical practice of NIOM. The book is divided into two convenient sections: Section One, Basic Principles, covers the modalities used in

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monitoring as well as the rarely discussed topics of remote monitoring, billing, ethical issues, and a buyer's guide for setting up a laboratory. Section Two reviews anatomy, physiology, and surgery of the various procedures, followed by details of the monitoring modalities and their interpretive criteria. Special features include: Portability, easy to carry and use Includes all major types of surgeries for which NIOM is requested Information on buying, training, set-up, and billing that is not available anywhere else A unique technical section at the end of each chapter that reviews the logistics of monitoring a particular type of surgery Useful for trainees and experienced clinicians With wide use of bullet points,

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tables, and illustrations, this pocket-sized manual is essential reading for neurologists, neuroanesthesiologists, neurosurgeons, and OR techs.

Minimally Invasive Spine Surgery: An Algorithmic Approach

The Resident's Guide to Spine Surgery

Symptoms and Signs in Pediatric Surgery

A Concise Guide to Principles and Practice

Biomedical Technology and Devices Handbook

A Master Cumulation

*Transesophageal echocardiography (TEE) is a valuable diagnostic modality now*

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*routinely used during cardiac surgery and in the intensive care unit. Increasingly, anesthesiologists, cardiologists and critical care physicians trained in TEE provide the service in both settings where they face the challenge of integrating numerous current TEE guidelines into day-to-day practice. Perioperative Two-Dimensional Transesophageal Echocardiography: A Practical Handbook, 2nd Edition has been designed to be a*

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*concise, portable guide for using TEE to recognize cardiac pathology during the perioperative period. This compact guide has a diverse appeal for anesthesiologists, cardiac surgeons and cardiologists desiring comprehensive up-to-date echocardiographic information at their fingertips. Features Updated to include 4 new chapters Now contains more than 600 full-color, high quality clinical images and illustrations Includes the most recent guidelines*

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*Retains a compact format that highlights key information Synopsis of cardiac pathology commonly encountered in cardiac surgery patients On-the-spot reference for echocardiographers with a wide range from novice to expert experience*

*The book is intended as a concise overview of current orthopaedic practice. It will be of interest to orthopaedic surgeons in practice and to orthopaedic trainees - both specialist*

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*and basic surgical, in particular, orthopaedic specialist registrars in the UK preparing for the FRCS Orth. exam, or trainees in other countries at an equivalent stage of orthopaedic training. Medical students doing orthopaedic attachments will find it a practical reference tool. In addition, individuals involved in the care of orthopaedic patients, such as physiotherapists and nurse practitioners, will find the book*

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*useful. With increasing subspecialisation in orthopaedic surgery, it is more difficult for the specialist to keep abreast of recent changes and current trends in the management of orthopaedic conditions other than their own area of interest. This book aims to fill that void and will be an easily readable source with information that is concise and current. Emphasis is placed on the current literature and an effort has*



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*been made to provide evidence on controversial topics with annotated references incorporated into the text. These will be a useful resource for further reading. Any reader wishing to gain insight into 21st century orthopaedic surgery will find this book of interest and value.*

*With an emphasis on set-up and execution and lessons learned from expert practitioners, this concise, practical guide for residents and*

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*fellows presents the essentials for both common and complex spine surgery. Proceeding anatomically from the cervical to the sacroiliac, and including chapters on spinal tumors, infection and revision surgery, nearly 40 different procedures are highlighted, from corpectomy, arthroplasty and laminectomy to percutaneous screws, decompression and fusion. Chapters include all the information a resident will need to*

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*know: indications and contraindications, imaging and diagnosis, OR set-up and instrumentation selection, the specific operative technique, post-operative protocols, and clinical pearls and pitfalls. Radiographs and full-color intraoperative photographs accompany each procedure. Whether suturing dura or performing a lateral interbody fusion, spinal surgery is a technical pursuit, and having a firm grasp of the*

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*details can ultimately determine the procedure's success. Written and edited by veterans in orthopedic surgery and neurosurgery, The Resident's Guide to Spine Surgery is just the detailed, user-friendly resource for up-and-coming clinicians looking to develop and expand their surgical expertise. Concise yet comprehensive, the Biomedical Technology and Devices Handbook illuminates the equipment, devices, and techniques used in modern*

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*medicine to diagnose, treat, and monitor human illnesses. With topics ranging from the basic procedures like blood pressure measurement to cutting-edge imaging equipment, biological tests, and genetic engineeri*

*A Concise Guide to Nuclear Medicine*

*Perioperative Pain Control: Tools for Surgeons*

*Current Orthopaedic Practice*

*Robotic and Navigated Spine Surgery E-Book*

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*A Concise Guide*

*American Book Publishing Record*

This book is a comprehensive guide to the application of recently introduced and emerging technologies in minimally invasive spine surgery (MISS). These technologies, including 2D and 3D navigation, endoscopy, virtual and augmented reality, robotics, and 3D printing, are helping to overcome previous limitations of MISS, such as the steep learning curve and the need for a great deal of experience in order to achieve optimal outcomes. Compared with traditional

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techniques, their use is designed to reduce local operative tissue damage, alleviate systemic surgical stress, and enable earlier return to function. The book provides detailed and extensively illustrated accounts of the role of the new technologies and techniques in a wide range of indications. In essence, all spine conditions, whether degenerative, traumatic, or oncologic, will in the near future be amenable to MISS using these approaches. The book will be a source of insight and practical assistance for all surgeons who perform MISS, regardless of their level of experience.

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According to the Centers for Disease Control and Prevention (CDC), there were nearly 40,000 opioid-related deaths in the U.S in the last year alone. These numbers have increased considerably for a variety of reasons, and the growing role of prescription drug abuse has been widely recognized. There has also been increasing consciousness of the lack of dedicated and formalized training dedicated to prescription of analgesics, particularly among surgical trainees and practicing surgeons. Recent studies demonstrate that only a small minority of training programs mandates any opioid



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prescribing education, despite the fact that nearly all programs allow trainee prescription of opioids on an outpatient basis. Therefore, it is not surprising that despite a growing body of literature illustrating the value of opioid alternatives and adjuncts, practicing surgeons in all specialties largely ignore these evidence-based practices and continue to prescribe opioids in situations for which alternatives are proven, safe, and effective. There are many reasons for preparing a concise and practical resource describing evidence-based practices targeting surgeons and surgical

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subspecialists, including but not limited to:

(1) The exponential increase in prescription drug abuse associated with the “opioid epidemic,” as surgeons play an important role in managing perioperative and chronic pain in a variety of practice setting; this issue bears importance from the patient, physician, and policymaker standpoint; (2) With increasing recognition of the role of quality improvement in patient safety initiatives, and literature demonstrating inadequate opioid prescribing education (OPE) in surgical training programs, it is only a matter of time before accreditation bodies

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including the ACGME incorporate strong recommendations and mandates for OPE; (3) Myriad literature demonstrating the existence of evidence-based alternatives to opioids – All surgeons and surgical subspecialists would benefit from a practical guide concisely laying this literature out. We feel that surgeons of all experience levels may benefit, ranging from the first year surgical intern to an experienced practitioner trying to remain compliant with the evolving opioid regulatory environment. Hence, the appropriate target audience for this text would be for the tens of thousands of current

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surgical trainees in many specialties, including general surgery, thoracic surgery, otolaryngology, plastic surgery, urology, gynecology, vascular surgery, neurosurgery, and orthopedic surgery. Furthermore, surgeons out of training would be another audience of interest, as there are increasing courses for continuing medical education based on perioperative and chronic pain management. Currently, there are no comparable and competitive guides with these target audiences; all of the existing literature about perioperative and chronic pain is targeted either specifically for patients,

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anesthesiologists, or pain medicine physicians. This will be the only up to date guide focusing on evidence-based practices for perioperative pain control, and each section will also include information on chronic pain sequelae relevant to each surgical specialty. The editors envision this text being an interdisciplinary endeavor, incorporating surgeons from multiple specialties, anesthesiologists, pain medicine physicians, and palliative physicians as appropriate.

This colour atlas is a concise guide to thyroid surgery, presented predominantly

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through pictures rather than text, helping to demonstrate surgical procedures in a step by step manner. The book covers numerous diseases and disorders of the thyroid and parathyroid glands, presenting the latest techniques and best practice, as well as practical suggestions on how to avoid surgical complications and how to manage them if they do arise. This highly useful, practical reference is richly illustrated with high quality images and intraoperative photographs. Key points Practical colour atlas illustrating latest techniques and best practice in thyroid surgery Covers most

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thyroid and parathyroid gland disorders and diseases Includes suggestions on how to avoid surgical complications Richly illustrated with intraoperative photographs and images ?The Essentials in Cytopathology book series fulfills the need for an easy-to-use and authoritative synopsis of site specific topics in cytopathology. These guide books fit into the lab coat pocket and are ideal for portability and quick reference. Each volume is heavily illustrated with a full color art program, while the text follows a user-friendly outline format. Central Nervous System Intraoperative Cytopathology covers

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the full spectrum of benign and malignant conditions of the CNS with emphasis on common disorders. The volume is heavily illustrated and contains useful algorithms that guide the reader through the differential diagnosis of common and uncommon entities encountered in the field of intraoperative neurocytology. Central Nervous System Intraoperative Cytopathology is a valuable quick reference for pathologists, cytopathologists, and fellows and trainees dealing with this exigent field.?

Concise Guide to Hematology  
Surgical Neurophysiology



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Book Review Index

Pocket Anesthesia

Central Nervous System Intraoperative

Cytopathology

Concise Guide to Pediatric Arrhythmias

Written by one of the foremost pediatric cardiologists in the UK, this essential new book is a clear, practical, highly visual guide to the recognition of arrhythmias and their management. This innovative new

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reference: Covers the full range of arrhythmias encountered in pediatric patients Presents each arrhythmia - from identification to management options - as well as showing how to make a precise non-invasive diagnosis from the ECG Makes use of real ECG strips - not perfect redrawn examples - to show what readers will actually encounter in the clinical setting In addition, the book discusses arrhythmias encountered in various

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clinical settings - early and late after operation, and in congenital heart disease or cardiomyopathy - as well as brief overview of the use of invasive EP studies, catheter ablation, pacemakers and defibrillators. Whereas other books on this important topic are aimed and tailored for the needs of experts in pediatric cardiology, this book is ideal for pediatricians, pediatric intensivists, trainees in pediatrics, pediatric cardiology and

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pediatric intensive care, as well as for clinical support staff involved in the cardiac care of children.

Part of the popular Pocket Notebook Series, *Pocket Anesthesia, Third Edition* is a practical, concise guide to anesthetic management of the most common perioperative conditions. Now fully revised and up to date, this portable handbook provides essential information needed by residents, anesthesiologists, CRNAs, and medical

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students on the wards and in the operating room. The third edition keeps you current with all that's new in the field, including ACC/AHA guideline changes and new uses of anti-coagulants, stents, and approaches to pain management. Key Features: Provides fast access to the most relevant, evidence-based information in every area of anesthesiology, including drugs, intraoperative problems, differential diagnosis, common disease

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states, patient evaluation, and anesthetic considerations for each subspecialty. Features two new chapters on Enhanced Recovery After Surgery and Anesthesia for Bariatric Surgery. Includes enhanced content on recovery after surgery, ultrasonography, echocardiography, regional anesthesia, and chronic pain. Uses a reader-friendly, bulleted outline format with numerous tables, diagrams, and treatment algorithms

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throughout."

There is a great need for a visual resource to document, with clarity, the possible outcomes of surgery, including side effects and complications, and how these outcomes vary from individual to individual. Using a straightforward approach, *Outcomes of Skin Surgery: A Concise Visual Aid* is an easy-to-consult and highly illustrated reference for surgeons and patients alike. This text takes a major step

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forward in establishing a realistic basis for the decision-making process during a consultation. Procedures highlighted in the text include: the excision of benign and malignant tumors diagnostic biopsies cryosurgery curettage for superficial lesions photodynamic therapy

This volume presents the proceedings of the CLAIB 2011, held in the Palacio de las Convenciones in Havana, Cuba, from 16 to 21 May 2011. The conferences of



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the American Congress of Biomedical Engineering are sponsored by the International Federation for Medical and Biological Engineering (IFMBE), Society for Engineering in Biology and Medicine (EMBS) and the Pan American Health Organization (PAHO), among other organizations and international agencies and bringing together scientists, academics and biomedical engineers in Latin America and other continents in an environment conducive

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to exchange and professional growth.

Congenital Cataract

Endoscopy

A Concise Visual Aid

Niedermeyer's Electroencephalography

Practical Differential Diagnosis in  
Surgical Neuropathology

V Latin American Congress on Biomedical  
Engineering CLAIB 2011 May 16-21, 2011,  
Habana, Cuba

***This concise textbook of pediatric surgery is  
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***symptoms and signs to diagnosis and treatment. Each chapter is devoted to one of 35 key symptoms and signs, which are organized according to six body regions: head, neck, chest, abdomen, urogenital system, and back. In each case, a brief assessment of the presenting sign/symptom and differential diagnosis is followed by discussion of occurrence, clinical presentation and significance, diagnostic work-up, treatment, and prognosis. Informative tables, illustrations, and up-to-date references are included throughout.***

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***subjective delusions. Moving beyond traditional philosophical or cultural and theological interpretations of mystical phenomena, the author uses inductive inference to analyze claims made by secular and religious mystics, highlight links between altered states of consciousness and neurochemistry, and counters reductionist claims that mystical states are exclusively products of neurochemical, neurophysiological, or psychopathological factors. The text also considers the positive long-term effects of proper use of***

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***psychedelics and meditation. This fresh approach to mystical experiences will be of interest to scholars, researchers, and postgraduate students working in the areas of psychology and neuroscience, and with an interest in mysticism in religious studies and philosophy.***

***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***

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***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***

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***information according to 2016 WHO classification of CNS tumors. This fully updated edition also includes expanded clinic-radiological approach, recent biomarkers, and cytological features of new WHO entities. In summary, the text has been extensively revised and largely rewritten to offer the practicing pathologist a concise summary of the critical information needed to recognize and interpret the current exigent field of intraoperative neurocytopathology. Perioperative Two-Dimensional***

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