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This book explores novel methods for implementing X-ray diffraction technology as an imaging modality, which have been made possible through recent breakthroughs in detector technology, computational power, and data processing algorithms. The ability to perform fast, spatially-resolved X-ray diffraction throughout the volume of a sample opens up entirely new possibilities in areas such as material analysis, cancer diagnosis, and explosive detection, thus offering the potential to revolutionize the fields of medical, security, and industrial imaging and detection. Featuring chapters written by an international selection of authors from both academia and industry, the book provides a comprehensive discussion of the underlying physics, architectures, and applications of X-ray diffraction imaging that is accessible and relevant to neophytes and experts alike. Teaches novel methods for X-ray diffraction imaging Comprehensive and self-contained discussion of the relevant physics, imaging techniques, system components, and data processing algorithms Features state-of-the-art work of international authors from both academia and industry. Includes practical applications in the medical, industrial, and security sectors

Physical Medicine and Rehabilitation Pocket Companion is designed to meet the day-to-day needs of PM&R residents, practicing physiatrists, and physicians in other specialties seeing rehabilitation patients. Focused solely on clinical care delivery, this handy reference provides the tools necessary to navigate everything from PM&R team coordination to the tailoring of medical management to achieve functional goals. Divided into four sections, the book covers all rehabilitation topics and is packed with practical information useful in daily practice, including disease-specific order sets and tips for managing the wide range of issues that commonly occur during a patient's rehabilitation. The first section introduces the field of rehabilitation medicine, the second reviews the scope of practice of allied health professionals on the rehabilitation team, the third section discusses rehabilitation topics and practice areas, and the fourth is an extensive Appendix of 24 assessment and rating scales, tables, and algorithms, essential for daily clinical use. Physical Medicine and Rehabilitation Pocket Companion is an indispensable resource that belongs in every white coat pocket. Features of Physical Medicine and Rehabilitation Pocket Companion Include: Conciseness and Clinical Orientation: Presents only the key information needed for optimal case management Comprehensive coverage: All major topics in the field of PM&R are represented Consistent approach: Brief text and bulleted format makes information easy to find Order sets provided for most areas to drive clinical care Medication specifics: Covers medications with specific dosages Appendix collects key scales, tables, and algorithms for immediate access

Infants may seem to do little more than eat, sleep, and play. Yet behind this misleadingly simplistic façade occurs an awe-inspiring process of development through which infants make sense of, and learn how to interact with the world around them. Written by leading researchers in the field, *Introduction to Infant Development, Second Edition*, provides fascinating insight into the psychological development of infants. This new edition captures the latest research in the field, with new chapters on perceptual and cognitive development as well as memory development; the text also examines the role of gender, culture, and social class in infant development. The coverage of language development and motor development has also been revised to account for the latest research. With enhanced pedagogical features throughout and a new Online Resource Center, *Introduction to Infant Development* is the ideal teaching and learning tool for those studying this intriguing field.

This book provides the reader with a complete and concise introduction to rheumatic illness. While rheumatic disease often manifests itself in conditions affecting the musculoskeletal system, the authors stress that a comprehensive multidisciplinary approach is needed for diagnosis, to aid understanding of rheumatic disease with multisystem involvement. *Rheumatology, A Color Handbook* covers epidemiology, pathogenesis, diagnosis and management of each condition. Common forms of arthritis (including rheumatoid arthritis, osteoarthritis, gout and others) are covered in addition to allied conditions including vasculitis, osteoporosis, lupus and other allied health conditions. The book is useful for recently qualified physicians/residents, general practitioners, medical students, and other healthcare professionals involved in the care of patients with rheumatic disease.

Now in its fifth edition, *The Practice of Family Therapy* comes at a time when traditional approaches to psychotherapy have given way to multidimensional strategies that best serve the needs of diverse groups who are grappling with the many challenges unique to family therapy practice. With expanded coverage of different models, along with new developments in evidence-based and postmodern practices, this integrative textbook bridges the gap between science and systemic/relational approaches, as it guides the reader through each stage of family therapy. Part I lays the groundwork by introducing the first-, second-, and third-generation models of family therapy, teaching the reader to integrate different elements from these models into a systemic structure of practice. Part II explores the practical application of these models, including scripts for specific interventions and rich case examples that highlight how to effectively work with diverse client populations. Students will learn how to make connections between individual symptoms and cutting-edge family practices to respond successfully to cases of substance abuse, trauma, grief, depression, suicide risk, violence, LGBTQ families, and severely mentally ill clients and their families. Also included are study guides for each model and a glossary to review main concepts. Aligned with the Association of Marital and Family Therapy Regulatory Boards' (AMFTRB) knowledge and content statements, this textbook will be key reading for graduate students who are preparing for the national licensing exam in marriage and family therapy.

Tips and pearls on the latest developments on endoscopic approaches to skull base and brain surgery from experts around the globe! Ideal for both otolaryngologist-head and neck surgeons and neurosurgeons, *Transnasal Endoscopic Skull Base and Brain Surgery: Tips and Pearls* gathers together in one comprehensive volume invaluable advice from world-renowned authorities on state-of-the-art endoscopic technologies and techniques. Each succinct chapter begins with a summary of key takeaway points and features an easily accessible outline format. After uniquely detailed coverage of macroscopic and endoscopic anatomy, the expert authors discuss the most up-to-date surgical approaches integrated with key information on technologic advances, such as 3D reconstruction and navigation. Clearly labeled illustrations demonstrate each step of the various procedures. The book closes with practical guidance on postoperative care and guidelines for avoiding and managing the potential complications encountered in these complex surgeries. Features In-depth information on endoscopic surgical procedures for the paranasal sinuses, anterior skull base, and the craniocervical junction Easy-to-reference bullet-points in each chapter distill the renowned authors vast experience Step-by-step surgical descriptions cover the full spectrum of skull base pathology Stunningly detailed illustrations, including more than 500 in full-color, enhance the text throughout This landmark work will improve the accuracy and precision of every surgeon and fellow in otolaryngology-head and neck surgery and neurosurgery who deals with this delicate anatomic region.

Gain a critical understanding of the nature of stress from a positive psychology framework that allows you to look beyond a simple pathology of stress-related symptoms. This new edition of *Stress Management and Prevention* integrates Eastern and Western concepts of stress while emphasizing an experiential approach to learning through the use of exercises, activities, and self-reflection. This student-friendly text contains chapters on conflict resolution, mindfulness meditation, time management, prevention of health risks, and cognitive restructuring. Included throughout are an emphasis on mindfulness and the neuroscience behind it, more theories, and new techniques for stress reduction and time management. An updated companion website includes even more video-based activities so students can see techniques in practice.

Physical Medicine & Rehabilitation Pocket Companion Demos Medical Publishing

This comprehensive text provides a thorough and realistic overview of both the profession and the practice of physical therapy. The first half of the book introduces readers to key aspects of a career in physical therapy, such as physical therapy roles, practice settings, the APTA, and laws, policies, and regulations. The second half describes the practice of physical therapy, detailing the functions, disorders, and therapies of the major organ systems. Visually appealing, this text includes both classic photos that illustrate the history of the profession, as well as practical photos that demonstrate current physical therapy procedures. This is the only introductory textbook to include an overview of both the profession and the clinical practice of physical therapy and physical therapy assisting. Each chapter offers helpful learning tools, including a chapter outline, key terms, learning objectives, questions to ask, boxes, tables, summaries and up to date references, suggested readings, and review questions. Features the latest information on current trends in health care and the profession of physical therapy such as laws and regulations, reimbursement, the roles of the PTA and PT, new terminology, and key concepts. A new chapter on reimbursement introduces readers to the administrative side of physical therapy practice and its effect on the profession. A new chapter on communication and cultural competence explores how cultural differences can influence patient behavior and interaction.

The first-ever book to describe the rationale behind adjustment techniques for the spine, pelvis, and extremities, this NEW 2nd edition offers thoroughly revised chapters, new illustrations, a reorganized layout, and extensive updates. The basic anatomical, biomechanical, and pathophysiological principles necessary for applying specific adjustive procedures are discussed in detail. It also offers a fundamental understanding of joint and body mechanics, as well as key evaluative tests and procedures, to help the reader evaluate, select, and utilize the most effective adjustive techniques. Coverage of chiropractic history provides a broad understanding of general concepts and practice.

Theory and practice combine to make *CHIROPRACTIC TECHNIQUE, 2ND EDITION* a must-have for anyone seeking a solid foundation in joint examination and chiropractic adjustment. The text is organized by joint system, focusing on practical anatomy, kinematics, evaluation, and technique for each system so each chapter can stand on its own as an independent discussion. Specific evaluative procedures demonstrate how to identify the characteristics of manipulable lesions. Background on the history of chiropractic provides an excellent foundation for joint examination and adjustive techniques. Extensive photos and line drawings vividly illustrate each technique. References throughout the book direct the reader to sources for more detailed information on chapter content. Mechanical principles are addressed, which help the reader understand differences between adjustive procedures and how each should be performed. A convenient list of joints and a joint index are included on the end sheets for quick, easy reference. Authors are well known and well-respected in the chiropractic field. All chapters have been revised and updated to include the latest information available. Joint anatomy and basic biomechanics coverage offers a more clinical focus in this Edition. A New Chapter on mobilization, traction, and soft tissue techniques presents these similar techniques in one chapter, organized according to development and slight variation, for a clear, objective look at each one. A new user-friendly layout arranges content and illustrations so information is accessible and the text is easy-to-read.

With over 460 SBAs and EMQs, extensive feedback, illustrations, and cross-references to the best-selling *Oxford Handbook of Clinical Medicine, Oxford Assess and Progress: Clinical Medicine, Second Edition* is the ultimate revision resource for medical students and junior doctors.

With over 350 Single Best Answer questions and many Extended Matching Questions, *Oxford Assess and Progress: Clinical Specialties* provides top-quality revision material on the core specialties for readers looking for exam success.

The trusted training resource for pharmacy technicians at all levels. The role of pharmacy technicians is rapidly expanding, and demand for well-trained technicians has never been higher! Technicians are assuming more responsibilities and are taking on greater leadership roles. Quality training material is increasingly important for new technicians entering the field, and current technicians looking to advance. Look no further than the new 5th edition of the best-selling *Manual for Pharmacy Technicians* to master the practical skills and gain the foundational knowledge all technicians need to be successful.

Approximately 29 million Americans are diagnosed with Type 2 diabetes annually. Of that number, only about 36 percent (10.44 million diabetes sufferers) achieve satisfactory medical outcomes and would need additional help—rarely available—to reliably control their glucose levels. Contrary to popular belief, although anti-diabetic medications can lower sugar levels, nevertheless they have a poor performance track record because inflammation in the blood vessels persists. This book details recent scientific findings that cardiovascular, kidney, vision, peripheral nervous system, and other body damage caused by chronic high levels of blood sugar (hyperglycemia) in Type 2 diabetes is actually due to excessive generation of unopposed free radicals and reactive oxygen species (ROS). These, in turn, cause chronic systemic inflammation and dysfunction of the endothelial lining of the arterial blood vessels, jeopardizing the formation of the protective molecule nitric oxide (NO), thus severely impairing the blood supply to every organ and tissue in the body. This book also catalogues the evidence that chronic hyperglycemia causes profound and often irreversible damage—even long before Type 2 diabetes has been diagnosed. In addition, because conventional prescription treatments are, unfortunately, often inadequate, the book details evidence-based complementary means of blood sugar control.

This atlas, featuring a wealth of high-quality images, offers a comprehensive overview of therapeutic gastrointestinal endoscopy for upper and lower gastrointestinal diseases. Both established and new therapeutic techniques using advanced endoscopic devices are extensively covered. The concise text accompanying the endoscopic photographs and illustrations will enable readers to understand the details of each procedure. Special tips of practical value are highlighted and potential pitfalls, identified. The authors are experts in the field who have a great store of knowledge on a wide variety of therapeutic endoscopic procedures. Gastrointestinal endoscopy is the principal tool for the investigation and treatment of most diseases of the gastrointestinal tract. This book will provide the clear guidance that practitioners require in order to perform therapeutic gastrointestinal endoscopy optimally; it will prove indispensable for all gastrointestinal endoscopists.

Whole Body Vibrations: Physical and Biological Effects on the Human Body allows an understanding about the qualities and disadvantages of vibration exposure on the human body with a biomechanical and medical perspective. It offers a comprehensive range of principles, methods, techniques and tools to provide the reader with a clear knowledge of the impact of vibration on human tissues and physiological processes. The text considers physical, mechanical and biomechanical aspects and it is illustrated by key application domains such as sports and medicine. Consisting of 11 chapters in total, the first three chapters provide useful tools for measuring, generating, simulating and processing vibration signals. The following seven chapters are applications in different fields of expertise, from performance to health, with localized or global effects. Since unfortunately there are undesirable effects from the exposure to mechanical vibrations, a final chapter is dedicated to this issue. Engineers, researchers and students from biomedical engineering and health sciences, as well as industrial professionals can profit from this compendium of knowledge about mechanical vibration applied to the human body. Provides biomechanical and medical

perspectives to understanding the qualities and disadvantages of vibration exposure on the human body Offers a range of principles, methods, techniques, and tools to evaluate the impact of vibration on human tissues and physiological processes Explores mechanical vibration techniques used to improve human performance Discusses the strong association between health and human well-being Explores physical, mechanical, and biomechanical aspects of vibration exposure in domains such as sports and medicine Rehearse for life in clinical practice with this easy-to-use and unique series, which combines cases drawn from real-life experiences with a refreshing approach to presentations as you would see them in day-to-day situations. Get the most from clinical practice, with *Clinical Cases Uncovered* Packed full with over 120 cases, this comprehensive title on the surgical management of conditions will be your core revision text. Featuring everything you need to know on surgery, Professor Harold Ellis and Christopher Watson have left nothing out. Whether it's a gastric ulcer or an intracranial mass shown up on an MR scan, you can work your way through with *Clinical Cases Uncovered*. For further information, visit www.clinicalcasesuncovered.com

Workshop Processes, Practices and Materials is an ideal introduction to workshop processes, practices and materials for entry-level engineers and workshop technicians. With detailed illustrations throughout and simple, clear language, this is a practical introduction to what can be a very complex subject. It has been significantly updated and revised to include new material on adhesives, protective coatings, plastics and current Health and Safety legislation. It covers all the standard topics, including safe practices, measuring equipment, hand and machine tools, materials and joining methods, making it an indispensable handbook for use both in class and the workshop. Its broad coverage makes it a useful reference book for many different courses worldwide. This open access book presents the diagnosis, investigation and treatment of neurovascular diseases, and offers expert opinions and advice on avoiding complications in neurovascular surgery. It also covers complication management and post-operative follow-up care. The book is divided into three parts; the first part discusses common approaches in neurovascular surgery, describing the steps, indications for and limitations of the approach, as well as the associated complications and how to avoid them. The second part addresses surgical treatment based on pathology, taking the different locations of lesions into consideration. The third part focuses on the technological developments that support neurovascular surgery, which may not be available everywhere, but have been included to help vascular surgeon understand the principles. This book is a guide for young neurosurgeons, neurosurgery residents and neurosurgery fellows, as well as for medical students and nurses who are interested in neurosurgery or are associated with this field in any way. It is also a useful teaching aid for senior neurosurgeons.

Now in its fourth edition, *HUMAN DISEASES* has been updated and expanded to include the cutting-edge topics and features you need for success in health care today! This best-selling pathophysiology book first delivers basic anatomy and physiology in a reader-friendly manner, then explores the diseases and disorders health care professionals see and treat most. Intuitively organized, chapters present each disease's description, etiology, symptoms, diagnosis, treatment, and prevention. Readings also incorporate contemporary issues in health care, including the impending ICD-10 switchover, pharmacology concerns, herbal and non-traditional remedies, new research findings, and current statistics. Designed to simplify pathology, *HUMAN DISEASES*, 4th Edition lightens heavy concepts with thought-provoking vignettes and cases, highlighted features, colorful photography and illustrations, and more. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Neurocritical Care Board Review: Questions and Answers provides clinicians with a thorough review of the complex subspecialty of Neurocritical Care, using a question-and-answer (Q&A) format. The Q&A format is easily readable, high yield, and serves as good practice for test takers or anyone looking to improve or reinforce essential knowledge. The book covers the key topics pertinent to (and found on) neurocritical care boards, and is organized according to the exam core curriculum outline. A total of 649 questions address both neuroscience critical care (general neurology, neurotrauma, neurovascular and neurosurgical problems) and general critical care topics (systems trauma, cardiovascular, infectious disease, pulmonary and renal issues, and hemodynamic monitoring). Detailed explanations follow in the answer section of each chapter, along with references for further study. Where relevant, neuroimaging, EEG and monitoring waveforms, and other images are included in case questions to allow candidates to familiarize themselves with these tools that form a significant part of the exam. Features of *Neurocritical Care Board Review* include: Comprehensive, high-yield review that covers all areas tested on the neurocritical care certifying exam Applicability to a wide range of physicians in multiple specialties reviewing for boards or looking to test skills and clinical acumen in this challenging area Question and answer format with detailed explanations and references to facilitate recall of must-know information and help identify knowledge gaps for further attention Material aggregated from multiple specialties into a singular resource for exam study

Written by the same author team as the successful and well-regarded *Concise Paediatrics* for postgraduates, *Easy Paediatrics* is a textbook specifically written for medical students. *Easy Paediatrics* is structured in a systems-based fashion, with additional chapters on subjects such as history and examination, development, genetics, emergencies and surgery. The material is presented logically with presentations, clinical findings, investigations and management options, and useful boxes covering differential diagnoses, causes and complications are also included to complete the picture. Clinical photographs and illustrative diagrams are provided throughout to help the student visualise what they are reading about, and the book is enhanced by a companion website, which contains OSCE-style clinical scenarios and MCQs for all the body systems, so the reader can test what they have learned. Presented in an easy-to-remember style, *Easy Paediatrics* gives the medical student everything they need to succeed in their paediatrics modules, without bombarding them with excess knowledge that will not be covered in their exams. *Brain, Part 1 of The Netter Collection of Medical Illustrations: Nervous System, 2nd Edition*, provides a highly visual guide to this complex organ, from basic neurodevelopment, neuroanatomy, neurophysiology, and cognition to classic disorders including epilepsy, hypothalamus/pituitary with disorders of consciousness and sleep, movement disorders, cerebellum, stroke, multiple sclerosis, neurologic infections, neuro-oncology, headaches, and brain trauma. This spectacularly illustrated volume in the masterwork known as the (CIBA) Netter "Green Books" has been expanded and revised by Drs. H. Royden Jones, Jr., Ted M. Burns, Michael J. Aminoff, and Scott L. Pomeroy to mirror the many exciting advances in medicine and imaging - offering unparalleled insights into the broad clinical spectrum of brain disorders. Consult this title on your favorite e-reader with intuitive search tools and adjustable font sizes. Elsevier eBooks provide instant portable access to your entire library, no matter what device you're using or where you're located. Get complete, integrated visual guidance on the brain with thorough, richly illustrated coverage. Quickly understand complex topics thanks to a concise text-atlas format that provides a context bridge between primary and specialized medicine. Clearly visualize how core concepts of anatomy, physiology, and other basic sciences correlate across

disciplines. Benefit from matchless Netter illustrations that offer precision, clarity, detail and realism as they provide a visual approach to the clinical presentation and care of the patient. Gain a rich clinical view of all aspects of the brain in one comprehensive volume, conveyed through beautiful illustrations as well as up-to-date radiologic images. Clearly see the connection between basic science and clinical practice with an integrated overview of normal structure and function as it relates to pathologic conditions. Grasp current clinical concepts regarding development, pediatrics, and adult medicine captured in classic Netter illustrations, as well as new illustrations created specifically for this volume by artist-physician Carlos Machado, MD, and others working in the Netter style.

Complete coverage of the core principles of patient safety *Understanding Patient Safety, 2e* is the essential text for anyone wishing to learn the key clinical, organizational, and systems issues in patient safety. The book is filled with valuable cases and analyses, as well as up-to-date tables, graphics, references, and tools -- all designed to introduce the patient safety field to medical trainees, and be the go-to book for experienced clinicians and non-clinicians alike. Features NEW chapter on the critically important role of checklists in medical practice NEW case examples throughout Expanded coverage of the role of computers in patient safety and outcomes Expanded coverage of new patient initiatives from the Joint Commission

This book documents the techniques chiropractors use on a day-to-day basis and provides a specific biomechanical approach to the art of chiropractic adjusting. Features of the book include: chiropractic management of spinal fractures and dislocations covered for the first time; chiropractic management of visceral disorders never before covered in any book; only specific, biomechanically sound adjustive techniques are described; a three-dimensional overlay is superimposed on the illustrations to aid visualizing spatial orientation; a chapter on chiropractic approaches to pregnancy and pediatric care; a chapter on clinical anatomy and biomechanics of the spine; and chapters on extremity injuries, diagnosis and adjustment techniques.

Technique Systems in Chiropractic describes and analyses the most common techniques in today's chiropractic. These techniques, sometimes called brand-name or proprietary techniques, each provide a step-by-step protocol for proceeding from examination findings to adjustive and other treatment procedures. Until now, the most readily available descriptions of these techniques have taken the form of articles and seminar advertisements written and distributed by the technique innovators themselves. Major chiropractic technique textbooks frequently list these techniques and some provide synopses, but they do not include the detail really required for readers to come to any serious conclusions about their safety and efficacy. In *Technique Systems in Chiropractic*, the authors describe over two dozen technique systems in a non-judgmental but critical manner, summarizing the available research and drawing conclusions as to what is actually known about them, compared with what the technique innovators themselves say. **KEY FEATURES** - Describes and analyses over two dozen of the most widely known and used chiropractic technique systems, in' alphabetical order. - Uses a common format for each technique system, allowing the reader to easily locate desired information and draws comparisons between techniques. - Features chapters on chiropractic terminology, as well as examination and adjustive methods that are common to many technique systems. - Compiles and summarizes the relevant research on each technique, drawing summary conclusions and clearly identifying what is known and what is not known about each. - Explains why there have been so many technique systems in chiropractic, past and present, as this relates to issues of jurisprudence, practice parameters, and guidelines for care. - Explores the interface between chiropractic technique systems and the movement toward evidence-based chiropractic (EBC). Presents demographic information on the rates of utilization of each technique in Canada and the United States. - Includes a glossary of technique-specific terms and jargon. *Technique Systems in Chiropractic* provides a comprehensive, state-of-the-art resource on the different technique systems in common use by chiropractors throughout the world. It will provide students and practitioners of chiropractic with the easy access they need to enrich their knowledge of the vast array of chiropractic technique procedures, whether to whet their interest in pursuing further training in given technique systems, or to incorporate various of these procedures into the more generic, eclectic practice or chiropractic to which many practitioners seem to be drawn at this time. Insurance claims adjusters, attorneys, managed health care and government administrators, students and instructors in allied health professions, individual! interested in complementary and alternative medicine (CAM), and, of course, current and prospective chiropractic patients will also find this book of great interest.

A comprehensive look at voice disorders covering causes, symptoms, evaluation, and treatment *Voice Disorders: Scope of Theory and Practice, 2nd Edition*, presents a comprehensive account of the field of voice in the early years of the new millennium. The book is meant for graduate students in speech-language pathology as well as practicing professionals who would appreciate an up-to-date yet easy-to-read reference. The text integrates a comprehensive and in-depth discussion of the anatomy, physiology, and neurology of specific voice disorders including causes, symptoms, evaluation, and treatment approaches. Discussion of multicultural perspectives, evidence-based practice, quality of life, and the WHO International Classification of Functioning, Disability, and Health provides readers with a current framework for clinical management. The 2nd Edition incorporates new research, and revised and reorganized material to help students quickly and easily grasp important theoretical and clinical concepts. Also available with the Enhanced Pearson eText* The Enhanced Pearson eText provides a rich, interactive learning environment designed to improve student mastery of content with embedded videos, self-assessment quizzes, and practice Praxis exam question *The Enhanced eText features are only available in the Pearson eText format. They are not available in third-party eTexts or downloads. **The Pearson eText App is available on Google Play and in the App Store. It requires Android OS 3.1-4, a 7" or 10" tablet, or iPad iOS 5.0 or later. Note: You are purchasing a standalone product; the Enhanced Pearson eText does not come packaged with this content. Students, if interested in purchasing this title with the Enhanced Pearson eText, ask your instructor to confirm the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and the Enhanced Pearson eText, search for: 0134800370 / 9780134800370 *Voice Disorders: Scope of Theory and Practice, with Enhanced Pearson eText* -- Access Card Package Package consists of: 0134802551 / 9780134802558 *Voice Disorders: Scope of Theory and Practice* 0134802594 / 9780134802596 *Voice Disorders: Scope of Theory and Practice* -- Enhanced Pearson eText -- Access Card

Neurosurgery: The Essential Guide to the Oral and Clinical Neurosurgical Examination is the first book of its kind to cover the International and Intercollegiate FRCS Specialty Examination in Neurosurgery. It will also help you prepare for the American Board of Neurological Surgery (ABNS) examination and other neurosurgical examinations around the world. Written by neurosurgeons, this book is a hands-on guide that translates basic science and theories of neurosurgery into clinical practice. This comprehensive resource takes a standardized and logical approach to the clinical neurosurgical examination. Based on the authors' own clinical

practice, teaching and examination experiences, this book provides candidates with a firm grasp of neuroscience and the ability to solve problems under pressure. Scenario- and patient-based, the book covers history-taking, clinical examination, differential diagnosis, investigations, management, treatment options and potential complications. The text is based on the Royal College of Surgeons of England and U.S. board syllabuses. In addition to serving as a reliable preparation resource for the neurosurgical examination, it will also be invaluable in your future surgical practice.

This book is a valuable tool to assist both cardiovascular physicians and scientists learning the intricacies of hypertension research and its milestone studies. All major hypertension trials have been reviewed in this book in chronological order with extensive discussion of the study population, study design, and outcomes and with a special focus on what knowledge they offered, their strengths and weaknesses, statistical errors, impact on international guidelines and unmet needs. Importantly, the book also offers physicians and young scientists with basic knowledge regarding medical biostatistics. It is of critical importance for a scientist involved in the field to understand deeply the process of analyzing medical data. Moreover, the accurate interpretation of the results is central for applying evidence-based medicine in everyday clinical practice. *Management of Hypertension: Current Practice and the Application of Landmark Trials* is a critical tool to assist in the education of physicians and researchers in the field, providing a separate section on pioneer researchers in hypertension and urging readers to become bright exemplars for scientists wishing to pursue a career in academic medicine and hypertension research.

Fully revised, this is an updated new edition of a much-loved book which has built a reputation for pithy, entertaining good sense over the course of six editions. 'Children are different. Paediatrics is much more than medicine miniaturised.' From reviews of the previous edition: 'All in all a very handy book for the student, the resident or other professionals working with children. I had a lot of fun reading it.' 'The book is full of wonderful illustrations, and funny and profound advice with quotations, like the words of Sir Dominic Corrigan (1853): "The trouble with many doctors is not that they do not know enough but that they do not see enough", or the advice to teach thy tongue to say "I do not know" (Rabbi Moses Maimonides or Rambam, 1135-1204). I have used this book for my final medical year paediatrics exams, the DCH and the MRCP and it has been a great help. It reminds us of the most important and basic things - history and examination, and of course a friendly demeanour.' Short, manageable chapters Clinical examples of examination techniques Very helpful tips and topics section Clinical checklists Simply illustrated Updated throughout New section of 'questions of fives' questions Short glossary of Latin terms

This book provides simple and practical instructions on how to perform safe and easy venous cannulation, and how to insert midlines and PICC lines using ultrasound. It aids understanding of the relevant anatomy, shows how to use the ultrasound machine, and how to insert such lines using ultrasound guidance. Readers will feel confident and well prepared to deal with patients requiring difficult venous access, giving them simple solutions that can be learned very quickly. These skills will also be globally beneficial for patients and healthcare institutions alike. Follows the trends of the NHS and riding the wave of the midline/PICC line revolution Compact and affordable highly relevant to daily practice Useful for specialists and generalists alike, truly multi-disciplinary

'In which occupation are you?' 'From how long have you been smoking?' 'Do you take any alcohol/drinks?' All overseas qualified doctors who apply for registration in the UK must satisfy the General Medical Council that they have the necessary knowledge of English by obtaining a satisfactory score in the International English Language Testing System (IELTS) examination. This interactive workbook provides a wide range of questions and answers on this subject containing specific medical sections to address the common problems and pitfalls relating to vocabulary and fluency in everyday medical consultations. Overseas qualified doctors needing to take the IELTS examination in order to be eligible for the GMC PLAB examination which is required for practice in the UK will find this book essential for their study.

THE 'GOLDEN JUBILEE' EDITION OF A CLASSIC TEXTBOOK, FIRST PUBLISHED IN 1965 Highly Commended at the British Medical Association Book Awards 2016 *General Surgery Lecture Notes* continues to be an invaluable, appealing and approachable resource for thousands of medical students and surgical trainees throughout the world. This comprehensive guide focuses on the fundamentals of general surgery, and systematically covers all the clinical surgical problems that a student may encounter and about which they need to know. Fully revised and updated to reflect the rapid changes which are taking place in surgical practice, this 50th anniversary edition: Includes principles of treatment written at student level to aid understanding Features full colour illustrations throughout Includes electronic access to a range of extra material including case studies, images and photographs, and biographies Includes free access to the Wiley E-Text Is a perfect review text for medical students as well as junior surgeons taking the MRCS examination and other postgraduate surgical examinations Trusted by generations of medical students, the clinical emphasis of *General Surgery Lecture Notes* makes this an essential purchase for all those wishing to learn more about general surgery.

Using a practical, case-based format, this superbly illustrated atlas by Dr. Paul Sorajja is a comprehensive collection of more than 130 professional experiences in treating structural heart disease. Organized by pathology, each case presents key clinical points for practitioners at all levels, from beginner to expert. Cases are provided by interventionalists and surgeons with extensive hands-on experience, and edited by experts in the field Includes more than 130 cases covering the full range of structural procedures for mitral valve disease, aortic valve disease, prosthetic valve disease, congenital heart disease, hypertrophic cardiomyopathy, and tricuspid disease. Features more than 500 detailed instructional images for quick visual comprehension of essential aspects of each case. Each case includes clinical information, diagnostic images, bulleted learning points, and explanations and rationales for every step of the procedure. Covers catheter-based therapy for structural heart disease – an increasingly important and rapidly growing therapy for valvular heart disease. Provides operator pitfalls and errors to help optimize success with each procedure. Allows practitioners at all levels of experience to explore, gain insight, and learn important keys for success.

Neurointervention is a fast-growing subspecialty, and recent trials have demonstrated its role in ischaemic and haemorrhagic stroke. This has generated tremendous interest among interventional neuroradiology, neurology and neurosurgery communities. Nevertheless, formal teaching programmes that provide the required experience are limited, and many early career practitioners are not exposed to the crucial technical details essential to safely performing the procedure before they start practising independently. The book presents 100 characteristic case studies to illustrate the salient technical and clinical issues in decision-making and problem solving during the procedure. This book conveys the "real-world" issues and solutions that are not addressed in detail in most books. As such it is a practical teaching book with useful "tips and tricks" on how to handle specific challenging situations, and is particularly useful for fellows in neurointervention training programmes.

Handbook of Polytrauma Care and Rehabilitation summarizes the most frequent medical and psychological problems encountered by combat survivors and patients with concurrent injuries to the brain and other body systems. The book offers a roadmap for clinicians on how to initiate and follow through the continuum of care necessary to achieving positive outcomes. Individual chapters focus on the myriad problems and

conditions that polytrauma patients present with including traumatic brain injury, concussion, spinal cord injury,, amputation, and PTSD, and other medical and psychological issues such as pain, depression, headache, insomnia, fatigue, alcohol and substance abuse, dizziness, light sensitivity, and work and family issues. Algorithms and detailed appendices provide guides for assessment and medical treatment that can be used in daily practice. Handbook of Polytrauma Care and Rehabilitation features: First handbook focused on polytrauma Practical, pocket-sized manual featuring real-world care for common problems Covers medical, physical, psychological, and vocational issues Easy to read text, with flow charts to highlight key concepts Authors work directly with the VA, military and academic sectors in the care of these patients This book equips readers with the knowledge required in order to successfully treat coronary chronic total occlusion by means of percutaneous coronary interventions. All the essential background knowledge is provided, including with regard to procedurally relevant histopathology, assessment of chronic total occlusion by means of angiography and computed tomography, patient preparation, and selection and use of guidewires. Both basic and advanced techniques employing antegrade and retrograde approaches are then described in detail with the aid of numerous high-quality illustrations that ensure ease of understanding. Helpful tips and tricks are highlighted, and guidance provided on the troubleshooting of problems and the prevention and management of complications. The book will serve as a superb guide for all who are involved in percutaneous coronary interventions for chronic total occlusion, including interventional cardiologists, fellows in training, nurses, and technicians in catheterization laboratories.

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