

Practical Guide To Emergency Ultrasound

Focused Ultrasound Techniques for the Small Animal Practitioner offers a highly practical guide to incorporating abbreviated ultrasound exams into the veterinary practice. Focused point-of-care exams are an effective way to quickly detect conditions and complications not readily apparent through the physical exam, laboratory diagnostics, or radiographic findings. Encompassing all the information needed to begin performing these techniques, Focused Ultrasound Techniques for the Small Animal Practitioner is a useful tool for improving patient outcomes in clinical practice. Covering focused exams in all body systems, the book also outlines the principles of interventional radiology, medical documentation, and the basic fundamentals of using an ultrasound machine. A companion website offers 87 video clips of AFAST, TFAST, and Vet Blue examinations with normal, abnormal, and incidental findings at www.wiley.com/go/lisciandro/ultrasound. Focused Ultrasound Techniques for the Small Animal Practitioner is an essential purchase for veterinary practitioners and specialists wanting to implement these techniques in their veterinary practice.

Provides a practical approach to first pass intubation success. Techniques, airway anatomy, and case examples are illustrated using more than 450 full color photographs, including step-by-step laryngoscopy images from Dr. Levitan's patented Airway Cam. This head-mounted camera aligns with the dominant pupil and permits imaging of laryngoscopy from the operator's perspective. Airway Cam videotapes are used in more than 2,500 hospitals and EMS systems in 25 states.

Keep pace with the rapid changes in Emergency Ultrasound knowledge. This 2nd edition of the Practical Guide to Emergency Ultrasound addresses your need for a practical, comprehensive, how-to book on ultrasound techniques in the emergency department, including new and expanded applications. Organized in an easy-to-navigate problem-based and symptom-based approach, chapters cover many uses for ultrasound in the ED and proper ultrasound technique. Over 900 images, many in full color, illustrate key concepts and diagnoses, including the use of echocardiography in the ED and newer applications for imaging ocular, musculoskeletal injuries and the use of ultrasound in the management of undifferentiated hypotension and dyspnea.

Master high-yield point-of-care ultrasound applications that are targeted specifically to answer questions that arise commonly in the outpatient clinic! Written for primary care providers in Family Medicine, Pediatrics and Internal Medicine, Ultrasound for Primary Care is a practical, easy-to-read guide. Learn to incorporate ultrasound to augment your physical exam for evaluation of thyroid nodules, enlarged lymph nodes, pericardial effusion, chronic kidney disease, and a host of musculoskeletal issues, and much more. Additionally, included are chapters on ultrasound for guidance of procedures including joint injections, lumbar puncture and needle biopsy, to name a few. Well-illustrated and highly templated, this unique title helps you expand the scope of your practice and provide more effective patient care.

A quick-access practical handbook for the use of ultrasound in critical care and emergency department settings Point-of-care ultrasound offers a readily available, noninvasive, reproducible modality that can expedite and improve care in the critical care and the emergency setting. This handy guide clarifies basic concepts and provides the hands-on guidance necessary for clinicians to arrive at better therapeutic decisions and perform safer procedures with the use of ultrasound. Handbook of Critical Care and Emergency Ultrasound opens with important chapters on ultrasound basics, ultrasound orientation, and probe selection, machine controls, and equipment. 22 additional chapters cover organ or system-specific procedural applications and approaches to the trauma patient. You will also find algorithms for the patient with undifferentiated chest pain, dyspnea, hypotension, and abdominal pain. 259 drawings and photographs support the text, illustrating patient positioning,

basic views, anatomy, and common pathology. Handbook of Critical Care and Emergency Ultrasound is the perfect resource for critical care and emergency providers who wish to deepen their knowledge of sonography and broaden their use of ultrasound in the care of their patient.

Obstetric and Intrapartum Emergencies provides a comprehensive guide to treating perinatal emergencies before it is too late.

This simple and easy-to-use guide to fetal echocardiography will help physicians and sonographers obtain a complete evaluation of the normal and abnormal fetal heart. The book is written in a user-friendly style and thoroughly illustrated with ultrasound images accompanied by schematic drawings. This edition presents a comprehensive approach to the examination of the fetal heart and covers all major cardiac malformations. Chapters include color Doppler in fetal echocardiography, three-dimensional ultrasound in fetal echocardiography, first and early second trimester imaging of the fetal heart, and an updated genetics section. This book, written by internationally recognized experts in fetal echocardiography, is a must-have for physicians and sonographers interested in this field.

This book is a handbook that was written by a sonographer, for sonographers, using a quick, easy access, reference format. It gives a concise review of ultrasound examination technique for pediatric patients and it is hoped to be of value to practitioners of all levels of experience. The content of the handbook has been drawn both from clinical experience in a pediatric ultrasound department and a comprehensive literature review. The information is presented in point form under appropriate headings. Each type of ultrasound examination creates a new chapter and gives patient preparation for various age groups, contraindications, equipment and organs examined for that particular procedure. Each chapter will provide scanning technique and for specific pathology examinations e.g. pyloric stenosis, descriptions of the ultrasonic features of that pathology. Examples of normal measurements and the correct level for taking these measurements are also included. Each chapter contains a series of ultrasound images giving examples of a film series for that type of examination and demonstrating specific anatomy, or scan planes through a particular organ. Accompanying every ultrasound image is a corresponding line drawing which labels anatomy and identifies relevant pathology or ultrasound specific landmarks. These drawings have been included to help practitioners gain a better understanding of the ultrasound image they are viewing and enable a more informed interpretation of the dynamic examination when viewed in real time. For the experienced sonographer in a non pediatric department, the book aims to provide quick reference to information not often used e.g. the appropriate patient preparation for a specific age group, or a reminder of measurement criteria for diagnosing pathology. For the remote or solo practitioner, the aim is to provide backup, giving examples of images of examination specific pathologies, and the measurements or criteria for diagnosing the pathology. The student sonographer will find the basics have been described, from which probe to use, to the overall scanning technique.

The Oxford Clinical Imaging Guides are specifically designed to help doctors master imaging techniques. Each guide explains the principles and practice of using imaging in an easy-to-read, highly-illustrated, and authoritative manner. Point of Care Ultrasound for Emergency Medicine and Resuscitation is the definitive guide to using this indispensable clinical tool quickly, safely, and accurately to diagnose patients in emergency, acute, and critical care settings. With a practical focus on how to perform ultrasound and interpret images, this book demonstrates how the reader can use ultrasound safely in patient management to diagnose and manage shock, acute presentations, or the acute phases of key conditions. Extensively illustrated, this resource also comes with online access to 160 ultrasound clips and over 130 annotated ultrasound images. Written by expert educators, this book is mapped to the curriculum for the International Federation for Emergency Medicine to teach emergency and

acute medics exactly what they need to know. This guide is highly relevant for the syllabi of Emergency Medicine colleges and associations in the USA, Canada, UK, Australasia and South Africa.

Based on a popular course taught at the Radiological Society of North America's Annual Meeting, this book provides all the essential information for choosing the appropriate imaging examination and completing the imaging workup of a patient. Chapters are organized into parts according to the anatomical location of the clinical problems addressed. The authors guide the reader through the diagnostic evaluation, reviewing the indications for and the strengths and limitations of ultrasound imaging. Features: Practical information on the usefulness of ultrasound, nonimaging tests, or other imaging modalities, such as CT and MR, for evaluating each clinical situation Clear descriptions of symptoms and differential diagnosis Nearly 1,300 images and photographs demonstrating key points A new chapter on neonatal spinal cord anomalies Comprehensive and up-to-date, this edition is essential for ultrasonographers, radiologists, residents, physicians, nurses, and radiology assistants seeking the latest recommendations for the effective use of ultrasonography.

This concise, portable manual provides practitioners and future practitioners with a basic guide to pediatric emergency ultrasound, enabling them to learn the fundamentals of bedside ultrasound and use these to refresh their skills prior to, or when, performing it on a patient. Emergency bedside ultrasound assessment is well established for adult patients, but has only recently been introduced into everyday clinical practice for the care of pediatric patients.

Pediatric Emergency Critical Care and Ultrasound is a concise, practical text which explains the principles of ultrasound, its diagnostic application in all organ systems and its use as a procedural adjunct. Both well-established and innovative applications are described, assisting the practitioner in incorporating ultrasound into daily practice, facilitating patient care and decreasing radiation exposure. Case studies and abundant illustrations enable the reader to study the appropriate techniques in detail and learn from real examples from the pediatric emergency department and intensive care unit. Pediatric Emergency Critical Care and Ultrasound is the first comprehensive bedside ultrasonography resource focusing on pediatric patients and is essential reading not only for pediatric emergency medicine subspecialists but for all emergency physicians, intensivists/critical care physicians and pediatricians.

This is a highly informative and carefully presented book for trainees and postgraduate students of anaesthesiology as well as practicing clinicians. This book aims to help them in selecting and implementing the most suitable regional block in each clinical scenario and successfully use the techniques of ultrasound-guided regional anaesthesia (USRA) in their practice. This book covers basics of ultrasound imaging, anatomical aspects and techniques of all nerve blocks that are commonly used in clinical practice in a lucid and illustrated presentation. Regional anaesthesia can be a safe alternative to general anaesthesia. When combined with general anaesthesia, it can provide excellent postoperative analgesia too. With the advent of ultrasound, the scope, safety and reliability of regional anaesthesia have expanded manifold. However, there is a lack of formal clinical training in regional anaesthesia in most of the anaesthesia postgraduate curricula and this book intends to bridge this gap. The book serves as a useful resource to the anaesthetist; trainee or practitioner who wants to master the nerve blocks.

Musculoskeletal ultrasound has seen a considerable surge in usage in recent years. Its advantages are manifold. Given adequate training of the examiner, it is very cost-effective; there is no ionizing radiation to contend with; the scanners are normally highly portable; and it enables certain interventional procedures to be performed with great accuracy (therapeutic injections of local anesthetics and/or corticosteroids into areas of complex anatomy, e.g., the shoulder). In this book, the anatomic areas are organized in chapter pairs, of which the first part of the pair summarizes the diagnostic imaging of that area from various angles so as to

obtain the standard images necessary for reliable evaluation. The second part covers the image-guided injection techniques themselves, including requisite equipment. Key Features: Concise texts accompanied by typical US scans, brilliant anatomic illustrations, and many photographs showing proper scanner placement Juxtaposes normal and pathologic anatomy for maximum understanding Detailed and lucid description of all common injection procedures, appropriately illustrated Resteghini's Diagnostic Musculoskeletal Ultrasound and Guided Injection: A Practical Guide is an essential introductory reference for physical therapists, sports medicine physicians, orthopaedic practitioners new to the method, radiographers, and allied health professionals involved in the diagnosis and therapy of musculoskeletal conditions. Clinical Ultrasound: A How-To Guide is targeted at the novice to intermediate clinician sonographer. The book's easy-to-follow style and visually appealing chapter layout facilitates the quick recall of knowledge and skills needed to use clinical ultrasound in everyday practice. Authored by experts in emergency medicine clinical ultrasound from acr Practical guide for emergency physicians, providing all the information needed to diagnose and treat common and uncommon pediatric disorders. Considered by many to be the most relied-upon, practical text of its kind, Clinical Sonography: A Practical Guide is appreciated for its clear, concise writing, consistent format, and problem-based organization. This text cuts through complicated material to deliver the clearest and most comprehensive guide to sonography, leading students from the basics of imaging and positioning to more advanced clinical tips on instrumentation and report making. The Fourth Edition includes over 800 new black-and-white images and 48 full-color images. New chapters cover ankle problems, malpractice, laboratory accreditation, and ergonomics. Chapters on artifacts, interventional techniques, and shoulder sonography have been extensively revised. This book provides an understanding of the underlying scientific principles in the production of B-mode and Colour Flow imaging and Spectral Doppler sonograms. A basic description of common vascular diseases is given along with a practical guide as to how ultrasound is used to detect and quantify the disease. Possible treatments of common vascular diseases and disorders are outlined. Ultrasound is often used in post-treatment assessment and this is also discussed. The role of ultrasound in the formation and follow-up of haemodialysis access is a growing field and is covered in detail. Practical step-by-step guide to peripheral vascular ultrasound. Explains the basic scientific principles of ultrasound instrumentation and blood flow. Fully illustrated with 175 black and white scans, 150 colour scans and 220 black and white and colour line drawings. Contributions from leading names in peripheral vascular ultrasound. Accompanying DVD includes cine loops of ultrasound scans in normal and diseased vessels and of optimum scans to show potential pitfalls and common mistakes. Four new chapters and two new contributors, both clinical lecturers in vascular ultrasound. New chapter on treatment techniques of particular interest to vascular surgeons who increasingly are required to learn basic scanning skills. Sections on ultrasound instrumentation updated to cover new developments in equipment such as broadband colour imaging. Current practices in all the vascular ultrasound applications covered are reviewed and updated. In the hands of a skilled operator, ultrasound scanning is a simple and easy procedure. However, reaching that level of proficiency can be a long and tedious process. Commended by the British Medical Association, Practical Ultrasound, Second Edition focuses on the scans regularly encountered in a busy ultrasound department and provides everything practitioners need to know to become competent and skilled in scanning. See What's New in the Second Edition: New chapters on breast, musculoskeletal, and FAST (focused assessment with sonography in trauma) ultrasonography Revisions to original chapters incorporating up-to-date techniques and protocols Beginning with the general principles of ultrasound scanning and a guide to

using the ultrasound machine, the book provides step-by-step instructions on how to perform scans supplemented by high-quality images and handy tips. Organized according to anatomical site, the chapters include a review section on useful anatomy, scan protocol presented step by step, and a section on common pathology. Maintaining the popular format of the previous edition, each chapter contains examples of common and clinically relevant pathologies and notes on the salient features of these conditions. The authors' precise approach puts an immense amount of knowledge within easy reach, making it an ideal aid for learning the practicalities of ultrasound.

This is a practical and concise introduction to bedside emergency ultrasound. It covers the full spectrum of conditions diagnosed via this modality, both for guiding invasive procedures and for diagnosis in critical-care settings. It introduces the major applications for emergency ultrasound by using focused diagnostic questions and teaching the image acquisition skills needed to answer these questions. Images of positive and negative findings for each application (FAST, ECHO, etc.) are presented, as well as scanning tips for improved image quality. Each section contains a review of the literature supporting each application.

Practical Guide to Emergency Ultrasound Lippincott Williams & Wilkins

A practical guide to the use of ultrasound and how to interpret the scans, aimed specifically at emergency physicians and staff. This is recognised as an essential skill in emergency medicine, and this book will provide the means to learn it, with question led text and many illustrations of real examples. The book will include a CD Rom of video clips, showing normal and abnormal scans, approximating to the real life situation.

Chapter 35 Non-Invasive Haemodynamics

This 2nd edition of the Practical Guide to Emergency Ultrasound addresses your need for a practical, comprehensive, how-to book on ultrasound techniques in the emergency department, including new and expanded applications. Organized in an easy-to-navigate problem-based and symptom-based approach, chapters cover many uses for ultrasound in the ED and proper ultrasound technique. Over 900 images, many in full color, illustrate key concepts and diagnoses, including the use of echocardiography in the ED and newer applications for imaging ocular, musculoskeletal injuries and the use of ultrasound in the management of undifferentiated hypotension and dyspnea.

This atlas covers the basics of ultrasound physics, provides the necessary background to successfully perform TEE and TTE procedures, and provides tips and tricks that will prove invaluable in the critical care environment. It also features an abundance of high quality photographs, illustrations and videos as well as numerous case studies to test the reader's ability to apply knowledge to real-life clinical situations. Written by experts in the field, The Atlas of Critical Care Echocardiography is a concise, visual guide designed for use by all physicians who see cardiac patients in the ICU.

Written by sports-trained emergency physicians Sports Medicine for the Emergency Physician: A Practical Handbook is the only resource of its kind, created specifically for the emergency medicine provider. It is designed to be used as a reference tool, and includes high-yield physical exam skills and key management of sport injuries in the emergency department. Each chapter is dedicated to a specific joint (or joints) and includes the basics of a high-yield physical examination including inspection, palpation, range of motion, special tests, as well as neurovascular and skin exams.

Corresponding figures of essential anatomy, pictures of physical exam maneuvers, and

clinical correlations are also featured. Emergent and common musculoskeletal conditions for each joint(s) are discussed, as well as the appropriate emergency department management for each condition. Additional chapter topics include sports concussions, sports cardiology, heat illness, and common splints used in the emergency department.

Incorporate a holistic approach. Visualize all or any parts of the body, tissues, organs and systems in their live, anatomically and functionally interconnected state and in the context of the whole patient's clinical circumstances. See exactly how it's done.

Numerous ultrasound images and access to dozens of videos demonstrate the use of ultrasound in critical care. Rely on the guidance of more than 80 different experts from Australia, China, Middle East, Europe, USA, and Canada regarding the current and future use of CCU. Adapt the use of emergency ultrasound in specialized out-of-hospital (i.e., war zones, animals) and in-hospital (i.e., pediatric units) settings.

Additionally, issues regarding CCU logistics, training, and education are analyzed for the first time.

Ultrasound has revolutionized a physician's ability to make urgent and emergent diagnoses at the bedside, and has changed the management of many acute injuries and conditions. This is a practical, concise introduction to what is rapidly becoming an essential tool for all critical care physicians: bedside emergency ultrasound. The Manual covers the full spectrum of conditions diagnosed using ultrasound and gives practical guidance in how to use ultrasound for common invasive procedures. Major applications are introduced using focused diagnostic questions and reviewing the image-acquisition skills needed to answer them. Images of positive and negative findings are presented, and scanning tips for improving image quality. The second edition has been substantially revised and expanded, with new images, updated literature reviews, new applications and clinical algorithms. New chapters cover additional procedures, musculoskeletal and pediatric applications, and the use of ultrasound in resuscitation. This text is invaluable for emergency physicians at all levels.

This simple, jargon-free text fits in your pocket, providing an 'on-the-spot' guide to clinician-performed ultrasound in the emergency department, intensive care unit or in the field. Written by an international team of experts and comprehensively updated in its third edition, *Emergency Ultrasound Made Easy* brings together in one volume the latest indications for focused ultrasound, including those related to the COVID-19 pandemic. The text is highly accessible and easy to use in an emergency. It is aimed at the rapidly expanding cohort of non-radiologist clinical sonographers who use focused ultrasound. However, its broad scope (for example using ultrasound in the rapid diagnosis of DVT) makes it an invaluable addition to the library of any doctor with an interest in the technique, whether in primary care or the hospital setting. Simple to read and follow Free of jargon Fast step-by-step guide to ultrasound procedures Clear diagrams Tips and pitfalls to avoid Multiple accompanying videos featuring examples of ultrasound in clinical practice New chapter on the use of ultrasound in small anatomical structures such as the eyes and testes New chapter on paediatric ultrasound Respiratory chapter updated to include COVID-19 Multiple accompanying videos featuring examples of ultrasound in clinical practice New chapter on the use of ultrasound in small anatomical structures such as the eyes and testes New chapter on paediatric ultrasound Respiratory chapter updated to include COVID-19

Rapid Response System: A Practical Guide provides a practical approach to the evaluation, differential diagnosis, and management of common medical and surgical emergencies such as cardiac arrest, acute respiratory failure, seizures, and hemorrhagic shock occurring in hospitalized patients. Less common and special circumstances such as pediatric, obstetric, oncologic, neurologic and behavioral emergencies as well as palliative care for terminally ill

patients encountered in the context of rapid response team events are also discussed. An overview of commonly performed bedside emergency procedures by rapid response team members complements the clinical resources that may need to be brought to bear during the course of the rapid response team event. Finally, an overview of organization, leadership, communication, quality and patient safety surrounding rapid response team events is provided. This book is written with medical students, junior physicians and nursing staff in mind working in both academic and community hospital settings. Both a novice and an experienced healthcare provider involved in a rapid response system will find this handbook to be valuable supplement to the clinical experiences gained through active engagement in the system. Hospital administrators and senior management staff will also find this book to be useful in the evaluation of quality and performance of the rapid response system, management of staff attitudes and behavior, performance of peer review, care for second victims and implementation of countermeasures for patient safety problems discovered in the course of rapid response system reviews.

A state-of-the-art reference on the training, techniques, and diagnostic skills needed to perform successful ultrasound exams in the Emergency Department. Includes detailed guidelines on performing ultrasound exams, case studies, and side-by-side comparisons of normal and abnormal scans.

This book addresses the wide range of issues that face the program leader – from how to choose a site and how to negotiate for equipment, to how to determine staffing requirements and how to anticipate and defuse possible turf issues with other programs and services in the hospital or healthcare facility. The early chapters of this book focus on the leadership of your program whether in your department or institution. The second section centers on education at all levels recognizing that smaller machines have made ultrasound available for medical students to advanced practitioners. The third section provides detailed logistics on equipment, maintenance, and safety. The fourth section focuses on a quality improvement program and includes a chapter on the workflow process. For those with limited budgets we also offer a section on practical operating and educational solutions. The fifth section offers insight into hospital level credentialing, quality assurance, national politics, and recent issues with accreditation. This is followed by reimbursement and coding. The last section covers topics in specialized communities. Chapters focus on ultrasound in global health, emergency medical services, pediatrics, critical care, community and office based practices. Multiple US working documents including checklists, graphs, spreadsheets, tables, and policy appendices are included.

The Golden Hour is a well-established concept in emergency medicine, related to the critical period of one hour after an injury, accident or trauma. This term implies that the mortality rates increase substantially if efficient care is not provided within 60 minutes after the trauma. This book is intended as a practical manual in Trauma Care within the context of the golden hour, addressing all trauma types and all body parts. Readers will find essential decision-making algorithms and protocols with commentary for traumas, along with easily accessible information on how to treat patients in a very practical and handy fashion. Furthermore, the content is presented in a didactic way suitable for a wide audience, from medical students who want to learn about the basics of trauma care to experienced surgeons seeking a comprehensive guide to trauma-related interventions. The book combines contributions from experts at two renowned Trauma Centers, the Hospital do Trabalhador at Curitiba, Brazil, and the Ryder Trauma Center in Miami, USA. Therefore, considering the different local environments and resources, the book provides distinct perspectives for several injuries, presenting the state of the art in Trauma Care. The diversity of perspectives in this book contributes to a global health care approach suitable for trauma-related events from developed countries to remote areas. The Trauma Golden Hour – A Practical Guide celebrates the

Centennial Anniversary of the Federal University of Parana (Brazil), the 25th Anniversary of the Ryder Trauma Center (USA) and the 20th Anniversary of the Hospital do Trabalhador (Brazil). *Clinical Ultrasound: A How-To Guide* is targeted at the novice to intermediate clinician sonographer. The book's easy-to-follow style and visually appealing chapter layout facilitates the quick recall of knowledge and skills needed to use clinical ultrasound in everyday practice. Authored by experts in emergency medicine clinical ultrasound from across the United States, this pocket-sized, practical guide is a valuable resource for those using clinical ultrasound in everyday practice.

The use of ultrasound in emergency medicine has proved invaluable in answering very specific, time-critical questions, such as the presence of an abdominal aortic aneurysm, or of blood in the abdomen after trauma. Unlike other imaging modalities (e.g. CT scan) it is a rapid technique that can be brought to the patient with ease. This book, *Emergency Ultrasound Made Easy*, is accessible and easy to use in an emergency. It is aimed mainly at specialists and trainees in emergency medicine, surgery and intensive care; but its broad scope (e.g. rapid diagnosis of DVT) makes it an invaluable addition to the library of any doctor with an interest in ultrasound, whether in primary care or the hospital setting. A pocket-sized and practical guide to the appropriate use of ultrasound in the emergency department. Designed to be used in an urgent situation (e.g. a shocked trauma patient). Written by team of international leading experts. This Second Edition has been comprehensively revised and updated to reflect the major advances in the practice of bedside ultrasound, and reflects the pioneering efforts of individual clinicians and the high-quality portable machines now available. This edition still firmly adheres to the principles of only using ultrasound where it adds value and only asking simple questions that may be readily addressed using ultrasound.

"Keeping pace with the technical advancements and broadening capabilities of vascular ultrasound can be a challenge. This comprehensive, how-to guide delivers both the technical know-how and the analytical skills you need to obtain clinically relevant results and sharpen your interpretive skills. Inside you'll discover detailed coverage of abdominal vasculature, peripheral arteries, hemodialysis and bypass grafts, peripheral veins, penile vessels, and the cerebrovascular system -- all presented in a structured chapter format that makes sure you never miss step!"--Jaquette du livre.

Compact, hand-carried ultrasound devices are revolutionizing how healthcare providers practice medicine in nearly every specialty. The 2nd Edition of this award-winning text features all-new chapters, a greatly expanded video library, and new review questions to keep you fully up to date with the latest technology and its applications. Helps you interpret findings with a peer-reviewed, online video library with more than 1,000 ultrasound videos of normal and pathologic findings. These videos are complemented by anatomical illustrations and text descriptions to maximize learning. Offers new online resources, including over 60 clinical cases and review questions in every chapter. Features fully updated content throughout, plus all-new chapters on hemodynamics, transesophageal echocardiography, transcranial Doppler ultrasound, pediatrics, neonatology, and 2nd/3rd trimester pregnancy. Shares the knowledge and expertise of expert contributors who are internationally recognized faculty from more than 60 institutions. Recipient of British Medical Association's President's Choice Award and Highly Commended in Internal Medicine at the BMA Medical Book Awards 2015 (first edition).

Mastering Emergency Medicine is a concise, revision-focused textbook that

covers everything that candidates need to know in order to pass the College of Emergency Medicine's (CEM) membership examination (MCEM) to enter training, and to pass fellowship examination (FCEM) to complete the Certificate of Specialist Training. With over 100 OSCE scenarios designed to stimulate everyday emergency department clinical encounters, *Mastering Emergency Medicine* covers all the key areas of the CEM syllabus, including: clinical examinations and practical skills, communication skills, teaching and management. This book takes a practical approach to the subject - core facts are presented and common scenarios are explored using an OSCE style, as used in the Part C MCEM and the FCEM examinations - which makes it an invaluable blueprint for management of cases. Closely linked to the current CEM syllabus, each chapter comprises three parts: Core topics that supplement revision for Part A and B. Clinical scenarios, including data and relevant practical skills that can be used to prepare for Parts B and C. Mock 'Scoring Scenarios' that give specific guidance on how to perform in OSCEs. *Mastering Emergency Medicine* is a highly detailed revision guide for the OSCE examinations and an essential study guide for all those who are preparing for the MCEM or FCEM examinations. It will also be useful to those who are wishing to pursue a career in Acute Medicine. *Emergency and Clinical Ultrasound Board Review* is a comprehensive guide for preparing for the Advanced Emergency Medicine Ultrasonography or Critical Care Echocardiography board exams, and for residents preparing for in-training examinations in ultrasound. The text consists of over 500 multiple-choice questions, organized into 18 chapters covering ultrasound topics such as physics, eFAST, echocardiography, thoracic, aorta, hepatobiliary, renal, pregnancy, soft tissue, ocular, procedural, airway, ENT, DVT, testicular, abdominal, and musculoskeletal applications. This is a multi-specialty work, with contributors representing the fields of emergency medicine, internal medicine, cardiology, critical care, and radiology. Chapters include questions, answers with detailed explanations and references to primary or landmark articles to help better navigate a standardized exam. Questions are written in a case-based format that emulates the ABEM and NBE board exams, and are supplemented by over 800 figures, tables, boxes, and online videos.

Modern vascular neurology, particularly in the emergency setting, often requires a great capacity for analysis and synthesis. Physicians who manage these patients must have acquired multidisciplinary skills, including a good knowledge of clinical neurology and medical imaging, but they may also need to be skilled in cardiology and intensive care. The initial clinical and imaging examinations play a decisive role in the management strategy. This book, written by neurologists and neuroradiologists, is designed to help all physicians involved in the management of neurovascular disease. The format and contents of this book, including the latest guidelines from learned societies, are designed to provide a succinct and practical guide. Although this book is particularly devoted to ischaemic stroke, other neurovascular diseases, especially haemorrhagic stroke, are also

discussed. This book should constitute a valuable tool for everyday practice for all medical personnel involved in neurovascular disease.

This book is a comprehensive, accessible and highly illustrated practical guide to ultrasound in the early stages of pregnancy.

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