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MANUAL OF DIAGNOSTIC ULTRASOUND

World Health Organization A didactic, illustrated guide to the use of ultrasound as a diagnostic tool in clinical practice. Prepared by an international group of experts with wide experience in both developed and developing countries, the manual responds to the need for a basic reference text that can help doctors, sonographers, nurses, and midwives solve imaging problems when no experts are available. With this need in mind, the manual adopts a practical approach aimed at providing a thorough grounding in both the techniques of ultrasound and the interpretation of images. The need for extensive supervised training is repeatedly emphasized. Because the clinical value of ultrasound depends so greatly on the experience and skill of the operator, the manual makes a special effort to alert readers to common pitfalls and errors, and to indicate specific clinical situations where ultrasound may not be helpful or reliable as a diagnostic tool. Explanatory text is supported by numerous practical tips, warnings, checklists and over 600 illustrations. The opening chapters explain how ultrasound works, outline the factors to consider when choosing a scanner, and introduce the basic rules of scanning, including advice on how to recognize and interpret artefacts. Guidance on the selection of ultrasound equipment includes clear advice concerning where costs can be spared and where investment is essential. The core of the manual consists of seventeen chapters providing guidance on scanning techniques and the interpretation of images for specific organs and anatomical sites, with the most extensive chapter devoted to obstetrics. Each chapter contains illustrated information on indications for scanning, preparation of the patient, including choice of transducer and setting of the correct gain, general scanning techniques, and specific techniques for identifying anatomical landmarks and recognizing abnormalities. The manual concludes with WHO specifications for a general-purpose scanner judged entirely suitable for 90-95% of the most common ultrasound examinations.

ORTHOPAEDIC TRAUMA IN THE AUSTERE ENVIRONMENT

A PRACTICAL GUIDE TO CARE IN THE HUMANITARIAN SETTING

Springer Orthopaedic trauma represents 75% of the casualties in a disaster. Many of these patients will be cared for by international volunteers, but good intentions are not always matched by good preparation. This book explains how best to prepare for missions, how to deal with injuries in austere conditions, how to ensure a positive legacy, and the need for cultural, political, and legal awareness. All of the most common orthopaedic presentations encountered in the austere environment are covered. In addition to evidence-based research, cases and actual experiences from the authors' missions are included to illustrate and bring to life key points. This book, written by a team of international experts with extensive experience of challenging field missions, will be an ideal practical guide for volunteers and health care workers, helping them to deal with confusing, chaotic, and distressing situations with greater confidence and efficacy.

HANDBOOK OF HUMANITARIAN HEALTH CARE LOGISTICS

DESIGNING THE SUPPLY NETWORK AND MANAGING THE FLOWS OF INFORMATION AND HEALTH CARE GOODS IN HUMANITARIAN ASSISTANCE DURING COMPLEX POLITICAL EMERGENCIES IN LOW-RESOURCE SETTINGS

George Mc Guire

DEFINING THE MEDICAL IMAGING REQUIREMENTS FOR A RURAL HEALTH CENTER

Springer This book presents the patient management challenges that rural health centers face, and establishes the criteria for the type of medical imaging services that should be available in such facilities. To make the work of the center's health practitioners more effective and efficient, the book assesses what health conditions may require medical attention in those centers. Information is provided on how to use basic imaging modalities, such as radiography and ultrasound, emphasizing the need for thoughtful service planning, careful equipment and imaging protocol selection, continuous staff training, and the implementation of quality control programs. The book is also a valuable resource for those physicians, medical physicists and service engineers who provide virtual and physical consultations to meet these needs. Rural health centers are established to prevent patients from being forced to travel to distant urban medical facilities. To manage patients properly, rural health centers should be part of regional and more complete systems of medical health care installations in the country on the basis of a referral and counter-referral program. Thus, the centers should have the infrastructure needed to transport patients to urban hospitals when they need more complex health care. The coordination of all the activities is possible only if rural health centers are led by strong and dedicated managers.

RADIOLOGY IN GLOBAL HEALTH

STRATEGIES, IMPLEMENTATION, AND APPLICATIONS

Springer The World Health Organization stated that approximately two-thirds of the world's population lacks adequate access to medical imaging. The scarcity of imaging services in developing regions contributes to a widening disparity of health care and limits global public health programs that require imaging. Radiology is an important component of many global health programs, including those that address tuberculosis, AIDS-related disease, trauma, occupational and environmental exposures, breast cancer screening, and maternal-infant health care. There is a growing need for medical imaging in global health efforts and humanitarian outreach, particularly as an increasing number of academic, government, and non-governmental organizations expand delivery of health care to disadvantaged people worldwide. To systematically deploy clinical imaging services to low-resource settings requires contributions from a variety of disciplines such as clinical radiology, epidemiology, public health, finance, radiation physics, information technology, engineering, and others. This book will review critical concepts for those interested in managing, establishing, or participating in a medical imaging program for resource-limited environments and diverse cross-cultural contexts undergoing imaging technology adaptation.

MANUAL OF DIAGNOSTIC ULTRASOUND IN INFECTIOUS TROPICAL DISEASES

Springer Science & Business Media Only ultrasound book that deals specifically with infectious and tropical diseases

DIAGNOSTIC ULTRASOUND: ABDOMEN AND PELVIS E-BOOK

Elsevier Health Sciences Diagnostic Ultrasound: Abdomen and Pelvis combines anatomy, diagnosis, and differential diagnosis information specific to the abdomen and pelvis, presenting multiple vantage points to ensure clarity and full comprehension of each topic. This image-rich resource provides examples and insight into the full spectrum of imaging appearances observed in various entities to aid in decision support. With 23 new chapters and approximately 2,500 images, it is the most comprehensive, up-to-date reference on this rapidly changing imaging modality. Coverage of new topics including liver transplantation, bowel ultrasound, and other various abdominal and pelvic entities Detailed anatomy section shows transducer placement in association with imaging, with a robust collection of CT/MR correlations Time-saving reference features include succinct and bulleted text, a variety of test data tables, key facts in each chapter, annotated images, and an extensive index

DIAGNOSTIC ULTRASOUND

TEXT AND CASES

Springer Science & Business Media Contents Contributors xiii 1. Basic Principles of Diagnostic Ultrasound 3 Sound Wave Characteristics 3 Generation of Sound Waves 5 The Interaction of Sound with Tissue 7 Instrumentation 10 Practical Considerations 17 References 20 Cases 22 2. Hepatic Ultrasonography 62 Hepatic Ultrasound Technique 62 Normal Ultrasonographic Anatomy of the Liver 63 Hepatic Pathology 64 References 67 Cases 68 3. Ultrasonography of the Gallbladder and Biliary System 116 Ultrasound Technique 116 Normal Anatomy 117 Pathological States 119 References 121 Cases 124 4. Ultrasonography of the Pancreas 168 Introduction 168 Normal Anatomy 169 Ultrasound Technique for Pancreatic Examination 170 Examination of the Normal Pancreas 172 Pathology of the Pancreas 172 Pitfalls in Pancreatic Examination 175 References 176 Cases 178 5. Ultrasonography of the Abdominal Aorta 226 Ultrasound Technique 226 Anatomy of the Abdominal Aorta 226 Pathology of the Abdominal Aorta 227 A Comparison of Ultrasound with Other Methods of Examination 228 References 229 Cases 230 6. Ultrasonography of the Spleen 244 9. Ultrasonography of Thyroid and Examination

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MAINTENANCE AND REPAIR OF LABORATORY, DIAGNOSTIC IMAGING, AND HOSPITAL EQUIPMENT

World Health Organization A practical guide to the maintenance and repair of essential laboratory and hospital equipment. Intended for use in institutions that do not have specially trained technicians or engineers the book responds to the situation frequently seen in developing countries where much of the equipment is imported and adequate information on maintenance and repair is rarely provided by suppliers. With these special needs in mind the manual aims to help staff using specific types of equipment to understand basic principles of construction and operation adopt good working practices avoid common errors perform routine maintenance and spot the early signs of defects or deterioration. Advice on equipment repair concentrates on common causes of problems that can be solved without expertise in engineering. Throughout the manual line drawings illustrate features of construction and design while numerous checklists offer advice on periodic inspection and cleaning good working practices and the essential do's don'ts must's and never's of routine operation and maintenance. Information ranges from the steps to follow when recharging batteries through advice on how to protect microscopes in hot climates to instructions for changing a blown fuse in an ultrasound scanner. Basic safety procedures for protecting staff as well as patients are also described. The most extensive chapter covers the maintenance and repair of basic laboratory equipment moving from autoclaves and incubators to cell counters and systems for water purification. The remaining chapters describe the correct use maintenance and repair of diagnostic equipment anaesthetic and resuscitation equipment operating room equipment and ultrasound and X-ray diagnostic equipment.

ARTHROGRYPOSIS

A TEXT ATLAS

Cambridge University Press The term arthrogyrosis describes a range of congenital contractures that lead to childhood deformities. It encompasses a number of syndromes and sporadic deformities that are rare individually but collectively are not uncommon. Yet, the existing medical literature on arthrogyrosis is sparse and often confusing. The aim of this book is to provide individuals affected with arthrogyrosis, their families, and health care professionals with a helpful guide to better understand the condition and its therapy. With this goal in mind, the editors have taken great care to ensure that the presentation of complex clinical information is at once scientifically accurate, patient oriented, and accessible to readers without a medical background. The book is authored primarily by members of the medical staff of the Arthrogyrosis Clinic at Children's Hospital and Medical Center in Seattle, Washington, one of the leading teams in the management of the condition, and will be an invaluable resource for both health care professionals and families of affected individuals.

THE WHO MANUAL OF DIAGNOSTIC IMAGING

RADIOGRAPHIC ANATOMY AND INTERPRETATION OF THE CHEST AND THE PULMONARY SYSTEM

World Health Organization The present volume in the series of WHO manuals in diagnostic imaging, the Radiographic Anatomy and Interpretation of the Chest provides an exhaustive description of radiographic normal anatomy as well as the most common pathologic changes seen in the chest, focusing specifically on pulmonary and cardiac problems. The text aims to provide an aid to the interpretation of the chest radiograph (CXR). It is not a comprehensive account of all possible chest diseases but a descriptive text to help identify the way in which chest pathology is manifest and diagnosed on CXR. The initial chapters deal with interpretive skills and pattern recognition and the later chapters demonstrate specific pathologies. Backed by high-quality reproduction of radiographs, this manual will prove essential reading to general practitioners, medical specialists, radiographers, and radiologists in any medical settings, although focusing specifically on needs in small and mid-size hospitals.

ANATOMY FOR DIAGNOSTIC IMAGING

Saunders This book covers the normal anatomy of the human body as seen in the entire gamut of medical imaging. It does so by an initial traditional anatomical description of each organ or system followed by the radiological anatomy of that part of the body using all the relevant imaging modalities. The third edition addresses the anatomy of new imaging techniques including three-dimensional CT, cardiac CT, and CT and MR angiography as well as the anatomy of therapeutic interventional radiological techniques guided by fluoroscopy, ultrasound, CT and MR. The text has been completely revised and over 140 new images, including some in colour, have been added. A series of 'imaging pearls' have been included with most sections to emphasise clinically and radiologically important points. The book is primarily aimed at those training in radiology and preparing for the FRCR examinations, but will be of use to all radiologists and radiographers both in training and in practice, and to medical students, physicians and surgeons and all who use imaging as a vital part of patient care. The third edition brings the basics of radiological anatomy to a new generation of radiologists in an ever-changing

world of imaging. This book covers the normal anatomy of the human body as seen in the entire gamut of medical imaging. It does so by an initial traditional anatomical description of each organ or system followed by the radiological anatomy of that part of the body using all the relevant imaging modalities. The third edition addresses the anatomy of new imaging techniques including three-dimensional CT, cardiac CT, and CT and MR angiography as well as the anatomy of therapeutic interventional radiological techniques guided by fluoroscopy, ultrasound, CT and MR. The text has been completely revised and over 140 new images, including some in colour, have been added. A series of 'imaging pearls' have been included with most sections to emphasise clinically and radiologically important points. The book is primarily aimed at those training in radiology, but will be of use to all radiologists and radiographers both in training and in practice, and to medical students, physicians and surgeons and all who use imaging as a vital part of patient care. The third edition brings the basics of radiological anatomy to a new generation of radiologists in an ever-changing world of imaging. Anatomy of new radiological techniques and anatomy relevant to new staging or treatment regimens is emphasised. 'Imaging Pearls' that emphasise clinically and radiologically important points have been added throughout. The text has been revised to reflect advances in imaging since previous edition. Over 100 additional images have been added.

ILLUSTRATED HANDBOOK OF RHEUMATIC AND MUSCULO-SKELETAL DISEASES

Springer This book comprehensively reviews clinical aspects and features of rheumatic and musculo-skeletal diseases in an integrated and easy to read format. It enables the reader to become confident in identifying common and unusual disease symptoms and be able to apply a variety of diagnostic modalities and evaluate potential treatment options. Every disease covered has a variety of clinically relevant images detailing both typical and rare signs and symptoms. Each image is accompanied by a detailed description covering relevant epidemiological data, diagnostic modalities and treatment options. The Illustrated Handbook of Rheumatic and Musculo-Skeletal Diseases provides a comprehensive and clinically relevant guide for the diagnosis and treatment of a broad range of rheumatic and allied diseases. It is a valuable resource for the trainee and practising rheumatologist, general practitioner, orthopaedic specialist, and dermatologist.

WHO/OIE MANUAL ON ECHINOCOCCOSIS IN HUMANS AND ANIMALS

A PUBLIC HEALTH PROBLEM OF GLOBAL CONCERN

OIE

DIAGNOSIS OF NEUROGENETIC DISORDERS: CONTRIBUTION OF NEXT GENERATION SEQUENCING AND DEEP PHENOTYPING

MDPI The contribution of genomic variants to the aetiopathogenesis of both paediatric and adult neurological disease is being increasingly recognized. The use of next-generation sequencing has led to the discovery of novel neurodevelopmental disorders, as exemplified by the deciphering developmental disorders (DDD) study, and provided insight into the aetiopathogenesis of common adult neurological diseases. Despite these advances, many challenges remain. Correctly classifying the pathogenicity of genomic variants from amongst the large number of variants identified by next-generation sequencing is recognized as perhaps the major challenge facing the field. Deep phenotyping (e.g., imaging, movement analysis) techniques can aid variant interpretation by correctly classifying individuals as affected or unaffected for segregation studies. The lack of information on the clinical phenotype of novel genetic subtypes of neurological disease creates limitations for genetic counselling. Both deep phenotyping and qualitative studies can capture the clinical and patient's perspective on a disease and provide valuable information. This Special Issue aims to highlight how next-generation sequencing techniques have revolutionised our understanding of the aetiology of brain disease and describe the contribution of deep phenotyping studies to a variant interpretation and understanding of natural history.

ATLAS OF HUMAN BODY ULTRASOUND SCANNING

METHODS AND DIAGNOSTIC APPLICATIONS

Springer This atlas describes the diagnosis practice and cases of human body ultrasound. It includes anatomic section, standard scan ultrasonogram of every organ, scanning methods and key points, measurement methods, normal value ranges, and clinical significances of every sections. Providing basic information and fundamental principles of ultrasonic diagnosis, it discusses ultrasound scanning of 14 organs in individual chapters. Each section sonography is accompanied by the scanning method, section structure, measuring method and clinical application. The uniform structure and detailed instructions make this atlas an easy-to-use resource for residents to refer to when they encounter specific ultrasound diagnostic problems.

MANUAL OF EQUINE LAMENESS

John Wiley & Sons Manual of Equine Lameness provides essential information on equine lameness diagnostics and treatment in an easy-to-use format ideal for the clinical setting. A clinically relevant distillation of topics from Adams and Stashak's Lameness in Horses, this text offers a quick introduction and fast access to key information. An accompanying DVD includes practical supplements, including additional anatomical images, video clips demonstrating key procedures such as perineural and intrasynovial injections, and examples of lameness conditions in motion. Designed for use in daily practice, the book is presented in brief chapters carefully formatted to maximize the usefulness for practicing veterinarians. Manual of Equine Lameness is an invaluable resource to any veterinarian treating lameness in horses and an ideal reference for veterinary students wanting to learn the fundamentals of lameness.

MCQS AND EMQS IN SURGERY: A BAILEY & LOVE COMPANION GUIDE

CRC Press With over 1000 questions, MCQs and EMQs in Surgery is the ideal self-assessment companion guide to Bailey & Love's Short Practice in Surgery. The book assists readers in their preparation for examinations and to test their knowledge of the principles and practice of surgery as outlined within Bailey & Love. Sub-divided into 13 subject-specific sections, both MCQs and EMQs provide a comprehensive coverage of the surgical curriculum as well as the core learning points as set out in Bailey & Love: Each section emphasises the importance of self-assessment within effective clinical examination and soundly based surgical principles, while taking into account the latest developments in surgical practice. MCQs and EMQs in Surgery is an excellent companion to Bailey & Love and provides a valuable revision tool for those studying for MRCS.

EQUINE MRI

John Wiley & Sons Equine MRI is a unique, comprehensive guide to MRI in the horse. Edited by Rachel Murray, a leading authority and researcher in the field with over ten years of equine clinical MRI experience, the book also includes contributions from worldwide experts in the subject. Divided into the following four sections, the book presents key information based on previous validation work and clinical practice: Principles of MRI, including the practicalities of image acquisition and interpretation Normal MRI anatomy and normal variations Different types of pathological change Options for clinical management and prognosis for different conditions MRI is a rapidly expanding area in veterinary medicine that confers detailed, three-dimensional information on both bone and soft tissue. Expanding clinical knowledge, improvements in technology, and practical application of MRI to the standing and recumbent horse means this useful imaging modality has become an integral and essential part of the diagnostic evaluation in lameness and is a realistic option for investigation of ophthalmological, neurological and cranial pathology. Equine MRI enables readers to understand the best ways to achieve good quality images, and provides a detailed explanation of the problems that may occur. With close to 950 normal and abnormal images, this book offers considerable detail and examples of both common and uncommon problems, making it a great reference for equine veterinarians, veterinary students, specialists in equine surgery, and specialists in veterinary imaging.

CLINICAL PATHWAYS IN STROKE REHABILITATION

EVIDENCE-BASED CLINICAL PRACTICE RECOMMENDATIONS

Springer Nature This open access book focuses on practical clinical problems that are frequently encountered in stroke rehabilitation. Consequences of diseases, e.g. impairments and activity limitations, are addressed in rehabilitation with the overall goal to reduce disability and promote participation. Based on the available best external evidence, clinical pathways are described for stroke rehabilitation bridging the gap between clinical evidence and clinical decision-making. The clinical pathways answer the questions which rehabilitation treatment options are beneficial to overcome specific impairment constellations and activity limitations and are well acceptable to stroke survivors, as well as when and in which settings to provide rehabilitation over the course of recovery post stroke. Each chapter starts with a description of the clinical problem encountered. This is followed by a systematic, but concise review of the evidence (RCTs, systematic reviews and meta-analyses) that is relevant for clinical decision-making, and comments on assessment, therapy (training, technology, medication), and the use of technical aids as appropriate. Based on these summaries, clinical algorithms / pathways are provided and the main clinical-decision situations are portrayed. The book is invaluable for all neurorehabilitation team members, clinicians, nurses, and therapists in neurology, physical medicine and rehabilitation, and related fields. It is a World Federation for NeuroRehabilitation (WFNR) educational initiative, bridging the gap between the rapidly expanding clinical research in stroke rehabilitation and clinical practice across societies and continents. It can be used for both clinical decision-making for individuals and as well as clinical background knowledge for stroke rehabilitation service development initiatives.

ESSENTIAL RADIOLOGY FOR SPORTS MEDICINE

Springer Science & Business Media Imaging plays an increasingly vital role in the management of athletes aiding diagnosis, injury grading and prognosis, as well as guiding therapy. These processes apply

equally to elite and recreational athletes young and old. I have always found that understanding the relevance of imaging findings is easier when accompanied by knowledge of the anatomy, biomechanics and pathological processes involved in injury formation. This textbook has been developed with both radiologists and sports clinicians in mind and aims to bring all these processes together and illustrate the spectrum of injury and associated clinical features for specific anatomical areas. Internationally recognized musculoskeletal experts have contributed chapters which provide an imaging and clinical overview of the most relevant joint, bone and soft tissue athletic injuries. There is guidance for the reader on why specific injuries occur, how to identify the optimal imaging evaluation and how to interpret the subsequent imaging findings. Acute and overuse injuries are discussed as well as the premature degenerative processes that occur in athletes. State-of-the-art imaging techniques and findings are presented including the use of musculoskeletal ultrasound, conventional MR imaging and MR arthrography. Therapeutic imaging-guided intervention using fluoroscopy, CT, and ultrasound is also discussed. This balance of techniques should allow a clinician whose practice focuses on one particular modality to become aware not only of that technique's abilities but other modalities and their capabilities and limitations. Leeds, UK Philip Robinson vii Contents 1 Knee Injuries 1
Melanie A. Hopper and Andrew J.

PROBLEMS OF BIRTH DEFECTS

FROM HIPPOCRATES TO THALIDOMIDE AND AFTER

Springer Science & Business Media Surprisingly, the beginning of a modern approach to the problems of birth defects is relatively recent integration of information from many disciplines, and dates from Gregg's classical report in 1941 that presents a comprehensive survey of both recent mothers who contracted rubella during the first trimester and previously reported work related to the major mester of pregnancy gave birth to infants with severe aspects of birth defects. In particular, an attempt to identify areas in need of and was documented in a thoroughly convincing further investigation. Since then, many important discoveries The scope of this volume and space limitations and significant developments have been made, precluded discussion of and reference to all papers particularly in the areas of environmental teratogenesis, of relevance or importance: a work of the present hereditary mechanisms, and prenatal diagnosis. nature must necessarily be selective. Some good In recent years, there has been an impressive papers have been left out or given relatively little surge of interest in the causes and prevention of consideration. It is my hope that the list of Further birth defects. Undoubtedly this resulted not only References will be consulted and should compensate from the thalidomide tragedy, but also from the for this lack of completeness.

CLARK'S POSITIONING IN RADIOGRAPHY 13E

CRC Press First published in 1939, Clark's Positioning in Radiography is the preeminent text on positioning technique for diagnostic radiographers. Whilst retaining the clear and easy-to-follow structure of the previous edition, the thirteenth edition includes a number of changes and innovations in radiographic technique. The text has been extensively updated

HANDBOOK OF CLINICAL DIAGNOSTICS

Springer Nature The book covers basic theories, basic knowledge and basic skills on clinical diagnosis, basic requirements for doctors' ethical conduct, clinical reasoning and documentation of medical records during the process of making a diagnosis. It consists of six parts, including 'Symptoms', 'History Taking', 'Physical Examination', 'Supplementary Examination', 'Common Clinical Diagnosis Techniques', and 'Diagnostic Process and Clinical Reasoning'. A vocabulary index is included for easy reference at the end of the book. This book is compiled by authors of 14 Chinese medical schools and universities, whose years of experience in clinical diagnostics, rich overseas learning and working experiences. This book is included in the first round of English textbooks series for clinical medicine major of China's higher medical colleges; and is among "13th Five-Year" planning textbooks of National Health Commission of the People's Republic of China. It is also an ideal textbook for MBBS (Bachelor of Medicine and Bachelor of Surgery) student It is a co-publication book with People's Medical Publishing House (PMPH). The ISBN of PMPH version in China is 978-7-117-23852-6.

BONE AND JOINT INFECTIONS

FROM MICROBIOLOGY TO DIAGNOSTICS AND TREATMENT

John Wiley & Sons Infections of the bones (osteomyelitis) and joints (septic arthritis) are serious health problems which require antibiotics and often surgery. Awareness among health professionals of the causes and treatment options for various types of bone and joint infections is essential for effective resolution. Bone and Joint Infections takes a multidisciplinary approach in covering the diagnostic and therapeutic treatment of osteomyelitis and septic arthritis, including different types of implant-associated infections. Correct and rapid diagnosis of bone and joint infection is crucial and requires the input of a variety of specialists. Bone and Joint Infections takes a similarly collaborative and comprehensive approach, including chapters authored by clinicians, laboratory specialists, and surgeons. Covering

the basic microbiology and clinical aspects of bone and joint infection, this book will be a valuable resource both for researchers in the lab and for physicians and surgeons seeking a comprehensive reference on osteomyelitis and septic arthritis. • Covers bone and joint infections with and without different types of implants from a multidisciplinary perspective • Each chapter covers the microbiology, clinical features, imaging procedures, diagnostics, and treatment for a given condition • Includes both adult and pediatric bone and joint infection • Discusses implant-associated infections as well as native infections

RED BOOK ATLAS OF PEDIATRIC INFECTIOUS DISEASES

Amer Academy of Pediatrics Based on key content from Red Book: 2006 Report of the Committee on Infectious Diseases, 27th Edition, the new Red Bookr Atlas is a useful quick reference tool for the clinical diagnosis and treatment of more than 75 of the most commonly seen pediatric infectious diseases. Includes more than 500 full-color images adjacent to concise diagnostic and treatment guidelines. Essential information on each condition is presented in the precise sequence needed in the clinical setting: Clinical manifestations, Etiology, Epidemiology, Incubation period, Diagnostic tests, Treatment

OXFORD HANDBOOK OF CLINICAL SPECIALTIES

Oxford University Press Now in its 25th year, the Oxford Handbook of Clinical Specialties has been fully revised and updated by a trusted author team to bring you practical, up-to-date clinical advice and a unique outlook on the practice of medicine. Twelve books in one, this is the ultimate guide to the core clinical specialties for students, junior doctors, and specialists. Guided by specialists and junior doctors, the ninth edition of this handbook sees fully revised and updated artwork, references, and clinical advice. This edition maintains its unique perspective on patient care, drawing on literature, history, and philosophy to encourage the reader to broaden their definition of medicine. Fully cross-referenced to the Oxford Handbook of Clinical Medicine, this is essential book contains everything needed for training, revision, and clinical practice.

DIAGNOSTIC ULTRASOUND: MUSCULOSKELETAL E-BOOK

Elsevier Health Sciences Diagnostic Ultrasound: Musculoskeletal was written by leading experts in the field as an ideal source for the high-intensity radiological and clinical practices of today. This quick, up-to-date reference employs a user-friendly, practically applicable format and is well suited for radiologists, sonographers, rheumatologists, orthopaedic surgeons, sports physicians, and physiotherapists alike. Complete coverage of ultrasound anatomy, diagnosis, differential diagnosis and ultrasound-guided interventional procedures combines with thousands of illustrative clinical cases and schematic diagrams to make this new resource among the most comprehensive available on the market. Readily accessible chapter layout with succinct, bulleted teaching points and almost 3,000 high-quality illustrative clinical cases and schematic designs. All-inclusive section on musculoskeletal ultrasound anatomy, as well as a comprehensive interventional section covering musculoskeletal ultrasound. Approaches musculoskeletal ultrasound from two different viewpoints: that of a specific diagnosis (Dx section), followed by that of a specific ultrasound appearance (DDx section). Differential diagnosis section features supportive images and text outlining the key discriminatory features necessary in reaching the correct diagnosis. Provides a solid understanding of musculoskeletal ultrasound anatomy and pathology.

PRINCIPLES OF GERIATRIC CRITICAL CARE

Cambridge University Press Provides coverage of the issues surrounding geriatric critical care, emphasising assessment and treatment.

HANDBOOK OF SPORTS MEDICINE AND SCIENCE, BASKETBALL

John Wiley & Sons Basketball covers the epidemiology of basketball injury, the physiological demands of basketball, preventive medicine, pre-participation examination and special considerations to be given to the young basketball player, and finally looks at the 'special' basketball player -- diabetics, asthmatics, epileptics, etc.

HUMAN STEM CELL MANUAL

A LABORATORY GUIDE

Academic Press This manual is a comprehensive compilation of "methods that work" for deriving, characterizing, and differentiating hPSCs, written by the researchers who developed and tested the methods and use them every day in their laboratories. The manual is much more than a collection of recipes; it is intended to spark the interest of scientists in areas of stem cell biology that they may not

have considered to be important to their work. The second edition of the Human Stem Cell Manual is an extraordinary laboratory guide for both experienced stem cell researchers and those just beginning to use stem cells in their work. Offers a comprehensive guide for medical and biology researchers who want to use stem cells for basic research, disease modeling, drug development, and cell therapy applications. Provides a cohesive global view of the current state of stem cell research, with chapters written by pioneering stem cell researchers in Asia, Europe, and North America. Includes new chapters devoted to recently developed methods, such as iPSC technology, written by the scientists who made these breakthroughs.

PRIMARY ANGIOPLASTY

A PRACTICAL GUIDE

Springer This book is open access under a CC BY 4.0 license. This quick-reference handbook offers a concise and practical review of key aspects of the treatment of ST-segment elevation myocardial infarction (STEMI) in the era of primary percutaneous coronary intervention (PPCI). In the context of STEMI, PPCI is the preferred mode of emergency revascularization. Access to PPCI is rapidly increasing and is now routinely practiced in both general and specialist hospitals and there has been a recent emphasis on developing STEMI networks to enhance and expedite the referral pathway. This coupled with concurrent developments to enhance the safety and efficacy of the PPCI procedure has heralded an era where STEMI interventions are increasingly considered an important subspecialty within interventional cardiology. Written by leading cardiologists who have been instrumental in the adoption of PPCI in their respective institutions, the book provides junior and senior cardiologists alike with insightful and thought-provoking tips and tricks to enhance the success of PPCI procedures, which may in turn translate into direct improvements in outcomes. The book is also relevant for healthcare providers and emergency department physicians.

LIVER CANCERS

FROM MECHANISMS TO MANAGEMENT

Springer This book explores in detail the primary liver cancers of hepatocellular carcinoma and cholangiocarcinoma examining the pathogenesis of disease along with diagnosis and current management options together with exploration of future treatment strategies and areas of controversy. Furthermore, the book highlights management of the common secondary malignancies and touches on benign liver tumours and how to best manage these. Written in a clear and didactic style, this volume includes summaries of the key learning points and questions so that the reader can gauge their knowledge and understanding. This book is aimed to broaden the knowledge base of primary care physicians, general physicians along with specialists in hepatology, oncology and hepato-biliary surgery

APPROACH TO INTERNAL MEDICINE

A RESOURCE BOOK FOR CLINICAL PRACTICE

Springer Science & Business Media Feedback from users suggest this resource book is more comprehensive and more practical than many others in the market. One of its strengths is that it was written by trainees in internal medicine who understand the need for rapid access to accurate and concise clinical information, with a practical approach to clinical problem solving.

HERALDRY OF THE WORLD

THE HELP GUIDE TO CEREBRAL PALSY

ULTRASOUND OF THE MUSCULOSKELETAL SYSTEM

Springer Science & Business Media A comprehensive reference and practical guide on the technology and application of ultrasound to the musculoskeletal system. It is organized into two main sections. The first is devoted to general aspects, while the second provides a systematic overview of the applications of musculoskeletal ultrasound in different areas of the body. Ultrasound scans are correlated with drawings, photographs, images obtained using other modalities, and anatomic specimens. There is a generous complement of high-quality illustrations based on high-end equipment. This book will acquaint beginners with the basics of musculoskeletal ultrasound, while more advanced sonologists and sonographers will learn new skills, means of avoiding pitfalls, and ways of effectively relating the ultrasound study to the clinical background.

NEUROGENIC DYSPHAGIA

Springer Nature This book is a clinical manual that covers the whole spectrum of swallowing and its disorders. It starts with physiology of swallowing, pathophysiology of disordered deglutition, diagnostic methods (clinical and instrumental) and ends with an in-depth's and up-to-date presentation of current treatment options. The clinically most relevant topics of dysphagia management on the stroke unit and the intensive care unit are dealt with in separate chapters. Also the closely intertwined issue of nutritional management is specifically addressed. Most importantly, the book covers all obligatory topics of the Flexible Endoscopic Evaluation of Swallowing (FEES)-curriculum, an educational initiative that started in Germany in 2014 and is currently being extended to other European and non-European countries. The book is richly illustrated and an online video section provides a number of typical patient cases. FEES is probably the most commonly chosen method for the objective assessment of swallowing and its disorders. It is used in stroke units, intensive care facilities, geriatric wards but also in rehabilitation clinics and within dedicated outpatient services. This book on neurogenic dysphagia therefore addresses a wide range of different medical disciplines, such as neurologists, geriatricians, intensive care physicians, rehabilitation physicians, gastroenterologists, otolaryngologists, phoniatriests and also speech-language pathologists.

EXAMINATION OF THE NEWBORN

AN EVIDENCE-BASED GUIDE

John Wiley & Sons A practical, evidence-based guide for students and practitioners to undertake safe and effective neonatal examination Revised and updated throughout in line with current national and Nursing and Midwifery Council guidelines Full colour photographs and illustrations, as well as clinical case studies at the end of each chapter to help guide and illustrate good practice A new companion website (available at: www.wiley.com/go/lomax/newborn) contains a wealth of information on all aspects of examining the newborn, including safeguarding, early warning systems, and tongue tie, as well as interactive multiple choice questions, and links to videos

ASSESSMENT AND TREATMENT OF MUSCLE IMBALANCE

THE JANDA APPROACH

Human Kinetics Publishers Assessment and Treatment of Muscle Imbalance: The Janda Approach blends postural techniques, neurology, and functional capabilities in order to alleviate chronic musculoskeletal pain and promote greater functionality. Developed by Vladimir Janda, respected neurologist and physiotherapist, the Janda approach presents a unique perspective to rehabilitation. In contrast to a more traditional structural view, the Janda approach is functional—emphasizing the importance of the sensorimotor system in controlling movement and chronic musculoskeletal pain syndromes from sports and general activities. Assessment and Treatment of Muscle Imbalance: The Janda Approach is the only text to offer practical, evidence-based application of Janda's theories. Filled with illustrations, photos, and step-by-step instructions, Assessment and Treatment of Muscle Imbalance uses a systematic approach in presenting information that can be used in tandem with other clinical techniques. This resource for practitioners features the following tools: --A rationale for rehabilitation of the musculoskeletal system based on the relationship between the central nervous system and the motor system --A systematic method for the functional examination of the muscular system --Treatment processes focusing on the triad of normalization of peripheral structures, restoration of muscle balance, and facilitation of afferent systems and sensorimotor training --The role of muscle imbalance and functional pathology of sensorimotor systems for specific pain complaints, including cervical pain syndrome, upper- and lower-extremity pain syndromes, and low back pain syndromes Assessment and Treatment of Muscle Imbalance provides an evidence-based explanation of muscle imbalance. The step-by-step Janda system of evaluation is explained—including analysis of posture, balance, and gait; evaluation of movement patterns; testing of muscle length; and assessment of the soft tissue. The text explores treatment options for muscle imbalance through facilitation and inhibition techniques and sensorimotor training to restore neuromuscular function. It also includes four case studies examining musculoskeletal conditions and showing how the Janda approach compares with other treatments. This text combines theory, evidence, and applications to assist clinicians in implementing the Janda approach into their practice. Assessment and Treatment of Muscle Imbalance: The Janda Approach focuses on the neurological aspects of muscle imbalance that are common causes of pain and dysfunction in sports and occupational activities. By distilling the scientific works of Vladimir Janda into a practical, systematic approach, this unique resource will assist health care providers in treating patients with musculoskeletal complaints as well as exercise professionals in developing appropriate exercise prescription and training programs.