Diagnostic Ultrasound In Urology And Nephrology

This edition provides an up-to-date resource for the essential information needed for selecting the appropriate imaging examination and confidently completing the imaging workup of a patient. Recognized experts provide the latest recommendations for clinical applications of ultrasound in urology.

This book is intended to be used and read by practicing radiologists, sonographers, and physicians working in urology and renal medicine, who have an interest in fully exploiting the diagnostic power of ultrasound imaging.Central to this book is ultrasound imaging as it contributes to the overall management of renal-based problems. Support is provided by medical, surgical, and oncological information. Adjunct imaging methods are discussed where it is important to appreciate the role of other modalities. An interventional section is included for those cases where ultrasound is used in guiding interventional procedures.An excellent and compact, yet comprehensive, introduction to the use of ultrasound, providing detailed assessment of the urogenital system.

Written by a radiologist and a urologist, Imaging in Urology meets the needs of today's urologists for a high-quality, highly relevant reference for evaluating and understanding the findings of radiologic exams related to urological disorders seen in daily practice. This unique title by Drs. Mitchell Tublin and Joel B. Nelson emphasizes the central role that imaging plays in the successful practice of urology by providing an image-rich review of urologic conditions ideal for both trainees and established urologists. Coverage includes introductory topics, imaging anatomy, and diagnoses, and tumor staging, all highlighted by about 1,600 images, drawings, and gross and microscopic pathology photos Focuses on imaging interpretation of the diagnostic entities that today's urologist is likely to encounter in clinical practice Features a consistent, bulleted format highlighted by abundant images with detailed captions and annotations, all designed for quick reference at the point of care Covers key topics in urologic imaging, including the role of multiparametric MR in the staging and management of prostate carcinoma; the strengths and weaknesses of PI-RADS (Prostate Imaging Reporting and Data System); imaging approaches for characterization of the incidental adrenal lesion; and technical performance and utility of newer imaging modes such as CT urography, MR urography, and diffusion-weighted imaging Offers a focused, up-to-date method of meeting the AUA's imaging expectations regarding imaging, which require training, review, and integration of ultrasound, CT, and other imaging modalities in the daily practice of urology Expert ConsultT eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, and references from the book on a variety of devices.

This monograph covers all aspects of the radiologic diagnosis of urinary tract diverticula, including calyceal, ureteral, bladder and urethral diverticula. Characteristic and subtle diagnostic features are identified with the aid of numerous high-quality ultrasound, X-ray and magnetic resonance images, the vast majority of which are drawn from the author's personal clinical practice. In addition, issues relating to terminology, classification, statistics, etiology, pathogenesis, clinical presentation and differential diagnosis are discussed. The text is complemented by two helpful appendices that document the latest recommendations of the European Society of Urogenital Radiology regarding use of contrast media and the European Medicines Agency on minimizing the risk of nephrogenic systemic fibrosis when using gadolinium-containing contrast agents. This book will be of value for specialists in radiology and urology and also trainees and medical students.

Prostate Ultrasound

Ultrasonography in Urology

Teaching Atlas of Urologic Imaging

Imaging in Oncological Urology

A Color Atlas

This handbook provides an invaluable source of information and advice on how to perform common diagnostic tests and surgical procedures. The book uniquely combines both operative day case urology and diagnostic urology into a practical and comprehensive summary of the most common 'day case' urological procedures, in a form that is concise and relevant to urological residents, consultants or nurses. This is a handy reference guide for all urologists - whether in the UK, Europe or the US - who find themselves doing 'office' based urology work, i.e. diagnostic work and minor surgical procedures irrespective of what training program they followed.

A book such as this, correlating radiologic findings with the associated gross and microscopic pathologic findings, has never been offered to the medical community. It contains radiologic images, in a variety of formats (ultrasound, CT scan, MRI scan) correlated with gross photos and photomicrographs of a wide spectrum of pathologic entities, including their variants, occurring in the following organs or anatomic sites. This book would be of particular interest to radiologists and radiologists-in training, who naturally are very cognizant of radiologic abnormalities, but who rarely, if ever, encounter visual images of the pathologic lesions that they diagnose. It will also be of interest to pathologists and pathologists-in-training, urologists, GU radiation oncologists, and GU medical oncologists.

Building upon scientific discoveries of past years, B-scan ultrasonography has become a widely accepted diagnostic procedure that has assumed particular importance in the areas of obstetrics and gynecology, internal medicine, and urology. The early and liberal use of the method, even for outpatients and in outlying hospitals, is in accordance with the safety and the relatively low costs of diagnostic ultrasonography. Perhaps more than in any other method, however, the user of diagnostic ultrasound must possess a great deal of technical expertise if the equipment is to be operated properly and the ultrasonic images interpreted correctly. It is little wonder, therefore, that training has not entirely kept pace with the burgeoning sophistication and popularity ofthe technique. With this in mind, it is our intention to supplement available text books and atlases with a guide that offers a basic, practical survey of ultra sound techniques in the areas of internal medicine, obstetrics, and gyne cology. Basic physical and technical principles are discussed only to the extent necessary for understanding the technical control features of ultra sound equipment. A brief glossary is also provided for this purpose. In the section on Special Diagnosis, we have intentionally adhered to a rigid for mat consisting of Examination Technique, Normal Findings, Pathologic Findings, Differential Diagnosis, Diagnostic Applications, and Potential Difficulties, recognizing that some repetition would be necessary in various organ-specific chapters. This will enable the user to locate quickly the information that is pertinent to a specific examination procedure.

Offering a comprehensive guide, the Oxford Textbook of Urological Surgery is a practical resource mapped to the curriculum for urological training as approved by the General Medical Council (GMC), making it particularly useful in preparation for the Intercollegiate Examination. Presented in a clear and accessible way, this evidence based volume covers all major areas, including functional urology, stone disease, infection, andrology, nephrology, transplantation, uroradiology, and paediatric urology. This highly illustrated full colour textbook has an innovative and user-friendly style, including over 500 photographs, clinical images, and line drawings. Bringing together the expertise of over 100 specialist contributors in the field, the Oxford Textbook of Urological Surgery is a highly valuable source of information, and will become the standard reference text for all who study urological disease and its treatment.

Diagnostic Radiology

A Practical Guide

Advances in Diagnostic Urology

Diagnostic Imaging of the Kidney and Urinary Tract in Children

The Pathologic Basis

Methods - Thorough description of the current imaging and functional investigation techniques in nuclear medicine and radiology - Detailed portrayal of indications and differential diagnoses Clinical Applications - Exhaustive description of the features of paediatric urological diseases relevant for diagnostic imaging - Embryologic and pathophysiologic background - Clear recommendations on application of diagnostic imaging techniques based on the latest findings and consensus guidelines Case Studies - Large number of case reports illustrating standard procedures in diagnostic imaging - Case descriptions highlighting common diagnostic problems - Presentation of unusual and rare cases

Ultrasound of the Male Genitalia presents a comprehensive, evidence based reference as well as a practical guide for the performance and interpretation of the male genital ultrasound examination. The volume begins with the history of male genital ultrasound and includes a discussion of regulations surrounding the performance of ultrasound examinations by urologists. The book provides a comprehensive review of ultrasound physics, image quality and patient safety. Normal ultrasound anatomy and common pathologic findings are covered in depth. Illustrations are used throughout the text to clarify complex topics. Practical scanning protocols for both the testes and the phallus, which are compliant with both accrediting organizations and third party payers, are described with their corresponding images. Also, included is a detailed discussion of color, power and spectral Doppler as well developing technologies such as sonoelastography in the diagnosis of male genitalia pathology. With broad contributions from authorities in the field, Ultrasound of the Male Genitalia is a valuable resource to urologists, andrologists, fellows and residents and others interested in male genital ultrasound.

This book provides an up-to-date resource for the essential information needed for selecting the appropriate imaging examination and confidently completing the imaging workup of a patient. Experts in the field provide the latest recommendations for clinical applications of ultrasound in urology. For each clinical problem, the authors guide the reader through the diagnostic evaluation, reviewing the indications for and the benefits and limitations of ultrasound imaging.

Nowadays, there is tremendous interest in an integrated imaging approach to urogenital diseases. This interest is tightly linked to the recent technological advances in ultrasound, computed tomography, magnetic resonance imaging, and nuclear medicine. Significant improvements in image quality have brought numerous clinical and diagnostic benefits to every medical specialty. This book is organized in nine parts and twenty-seven chapters. The first six chapters review the normal macroscopic and radiological anatomy of the urogenital system. In subsequent chapters, urogenital malformations, lithiasis, as well as infectious and neoplastic disorders of the kidneys, bladder, urinary collecting system, and male and female genitalia are extensively discussed. The pathologic, clinical, and diagnostic (instrumental and not) features of each disease are described, with particular emphasis, in neoplastic pathologies, on primitive tumors and disease relapse. The statics and dynamics of the pelvic floor are addressed as well and there is a detailed presentation of state-of-the-art interventional radiology. The volume stands out in the panorama of the current medical literature by its rich iconography. Over 1000 anatomical illustrations and images, with detailed captions, provide ample evidence of how imaging can guide the therapeutic decision-making process. Imaging of Urogenital Diseases is an up-to-date text for radiologists, urologists, gynecologists, and oncologists, but it also certainly provides an invaluable tool for general practitioners. Its succinct, well-reasoned approach integrates old and new knowledge to obtain diagnostic algorithms. This information will direct the clinician to the imaging modality best-suited to yielding the correct diagnosis.

Genitourinary Radiology: Kidney, Bladder and Urethra

Handbook of Office Urological Procedures

The Clinician's Guide

Imaging in Urology

Ultrasound of the Male Genitalia

The second edition of Ultrasonography in Urology: A Practical Approach to Clinical Problems provides an up-to-date resource for the essential information needed for selecting the appropriate imaging examination and confidently completing the imaging workup of a patient. Recognized experts in the field provide the latest recommendations for clinical applications of ultrasound in urology. For each clinical problem, the authors guide the reader through the diagnostic evaluation, reviewing the indications for and the benefits and limitations of ultrasound imaging. Features: Practical discussions of the usefulness of ultrasound, nonimaging tests, or other imaging modalities, such as CT and MR, for diagnosing such problems as flank pain, renal failure, acute scrotal pain, and more Clear descriptions of symptoms and differential diagnosis More than 400 high-quality images and photographs demonstrating key points This book will help ultrasonographers, radiologists, urologists, nephrologists, residents, physicians, nurses, and radiology assistants improve their techniques and optimize patient care.

This is one of the first books to deal specifically with diagnostic imaging of the entire spectrum of kidney cancers. Both new and conventional imaging modalities are fully considered. After an introductory chapter on the histopathological classification of kidney cancers, the advantages and disadvantages of the various imaging modalities used in the diagnosis and assessment of disease extension are documented. Subsequent chapters offer an exhaustive description of the radiological features of the different histological subtypes of kidney cancer, with radiological and histological illustrations and tables. The latest innovations in interventional and minimally invasive procedures are also well covered. The book benefits from carefully chosen and technically excellent images. Each of the 24 chapters is written by an internationally acclaimed expert, making this book the most current and complete treatment of the subject available. It should be of great interest to radiologists, oncologists, and urologists.

A case-based reference for diagnosing urologic disorders Teaching Atlas of Urologic Imaging presents a case-based approach to selecting the multimodality imaging strategies for the most frequently encountered urologic disorders. The book provides comprehensive coverage of the latest imaging techniques with an emphasis on newer modalities such as CT intravenous pyelograms (CT-IVP) and MRI for the genitourinary system. Each case opens with a concise description of the clinical presentation, radiologic findings, diagnosis, and differential diagnosis. It then concludes with a detailed discussion of the background, clinical findings, pathology, imaging findings, treatment, and prognosis for that case, and pertinent references. Features: Nearly 400 high-quality illustrations, including 47 in full color, demonstrate anatomy and pathology Consistent format of each chapter enhances ease of use Bulleted lists of differential diagnoses are ideal for rapid review Ideal for radiologists, urologists, and nephrologists, this book provides a quick reference for common imaging findings and the most appropriate imaging strategies for specific diseases. Its case-based format also makes it a valuable resource for residents preparing for board examinations.

Exciting new developments and applications of imaging techniques have emerged over the last few years, leading to many improvements in diagnosis and staging of urologic diseases. Refinements in the technology mean that imaging now is much more precise than even five years ago, and this has significantly enhanced its application within several key fields. As such, there are virtually no books currently available that cover the impact of these advances within urology leaving a major hole in the market. With its sound overview of the current state of affairs, and also its focus on highlighting future advances, this book would therefore find a significant audience within not only trainees, but also practicing clinicians too. Furthermore, the whole topic of ultrasonography is a relatively overlooked one, with very few modern books tackling any specific areas of the field. This book will be up-to-date and will pay attention to the unique applications of ultrasound within each discipline.

Proceedings of the First International Workshop on Diagnostic Ultrasound of the Prostate, Held October 22 Through 23, 1988, in Washington, D.C.

Office Urology

Advances in Image-Guided Urologic Surgery

Diagnostic Ultrasound in Urology and Nephrology

Images in Urology

Aeeuraey in preoperative diagnosis has always been the basis of sueeess in urology. In the past deeade, major advanees have been made in diagnostie imaging of the kidney and genitourinary trael. Of the new reliable teehniques available, eeho graphy, radioisotope studies and eomputerized tomographie seanning are of the greatest importanee in the investigation of renal and urinary trael diseases. These new methods of investigation have led to a radical change in the attitude and prae tieal approach when evaluating a patient presenting with a urologie disorder. The teeh niques each yield information of a different type and in eonjunetion with classie ra diology must be used safely and with a logical sequenee in the investigation of a diag nostie problem. They have greatly inereased the available evidenee on whieh diag nosis is based and their use should diminish the number of false diagnoses and ul timately improve treatment. The applieations ofthese reeently developed diagnostie methods in urology are reviewed in this book, based on the main eontributions given by a wide range of experts in their field during the last Congress of the European Assoeiation ofUrology, held in Athens in 1980. Intravenous urography, the first and major step in urologie diagnosis, developed more than half a eentury ago, ean still be improved, as shown by the routine use of early nephrotomography with rapid injeetion.

Pediatric and Adolescent Urologic Imaging provides a comprehensive reference for health care providers of children and adolescents with urologic conditions. This is the first book in which each chapter is written collaboratively by at least one author from each specialty. This unique approach melds the expertise of each specialist and offers it to the reader in a manner aimed at reinforcing the integration of clinical information to radiologic imaging. The book is arranged into two sections allowing for easy access to the information. The first section covers the principles of each radiologic modality as well as radiation safety and the history of uroradiology. The second section integrates the lessons of the first section into specific urologic conditions arranged anatomically and includes additional unique conditions. Pediatric and Adolescent Urologic Imaging is a key reference for pediatric urologists and radiologists as well as primary care providers, general urologists and radiologists, fellows, residents, medical students, and mid-level providers.

A hugely important book that details significant changes in imaging in oncological conditions related to the bladder, prostate and kidneys. The sole focus is on oncology in urology, mainly Ultrasound and MRI, with organ-oriented topics. The latest technologies on imaging are included to better identify carcinomatous lesions and lymph node metastases. Each chapter includes a section that outlines the optimal imaging approach, providing an algorithm for imaging per disease entity, and according to the evidence-based chronological and diagnostic follow-up.

Diagnostic Ultrasound in Urology and NephrologyIgaku-Shoin Medical PublishersDiagnostic Ultrasound in Urology and NephrologyProstate UltrasoundCurrent Practice and Future DirectionsSpringer

Atlas of Ultrasonography in Urology, Andrology, and Nephrology

Diagnostic Ultrasound of the Prostate

Ultrasound Fundamentals

Ultrasonography in Vascular Diseases

Imaging in Paediatric Urology

This book provides the latest recommendations for ultrasound examination of the entire urogenital system, particularly in the male. The coverage encompasses the role of ultrasound in imaging of disorders of the kidneys, urinary tract, prostate, seminal vesicles, bladder, testes, and penis, including male infertility disorders. In addition, detailed consideration is given to intraoperative and interventional ultrasound and recently developed ultrasound techniques. Each chapter defines the purpose of and indications for ultrasound, identifies its benefits and limitations, specifies the technological standards for devices, outlines performance of the investigation, establishes the expected accuracy for differential diagnosis, and indicates the reporting method. Most of the recommendations are based on review of the literature, on previous recommendations, and on the opinions of the experts of the Imaging Working Group of the Italian Society of Urology (SIU) and the Italian Society of Ultrasound in Urology, Andrology, and Nephrology (SIEUN). The book will be of value for all physicians involved in the first-line evaluation of diseases of the renal/urinary system and male genital disorders.

This book is intended to be used and read by practicing radiologists, sonographers, and physicians working in urology and renal medicine, who have an interest in fully exploiting the diagnostic power of ultrasound imaging. Central to this book is ultrasound imaging as it contributes to the overall management of renal-based problems. Support is provided by medical, surgical, and oncological information. Adjunct imaging methods are discussed where it is important to appreciate the role of other modalities. An interventional section is included for those cases where ultrasound is used in guiding interventional procedures. An excellent and compact, yet comprehensive, introduction to the use of ultrasound, providing detailed assessment of the urogenital system.

This book examines in detail the diagnostic impact of contrast-enhanced ultrasound in the evaluation of urinary tract pathology, paying particular attention to the diagnostic gain that may be expected in relation to other imaging techniques such as CT and MRI. The role of contrast-enhanced ultrasound is evaluated in a range of pathologies, including ischemia, trauma, inflammation, cystic lesions, and solid tumors, as well as in the imaging of anatomic variants. New applications, for example monitoring of kidney transplantation, assessment of urinary bladder lesions, and diagnosis of vesico-ureteric reflux, are also covered. The presented cases, drawn from the authors' personal clinical caseload, include images obtained using multimodality techniques, sometimes with 3D CT reconstruction. The authors' own experiences are compared with the most recent reports in the scientific literature.

Although urology is a surgical specialty, it has become apparent that changes in health care delivery and financing have led to an increasing volume of care being provided by urologists in their offices. A major part of the revenue of a urology practice depends on office production and efficient management. To have a successful practice, the produc tive, committed urologist must have a thorough understanding of the procedures and problems that need to be dealt with in the office. Moreover. the urologist must play an active role in the administration and business aspects of running the office. Surprisingly, very little has been written about the office practice of urology. Office Urology: The Clinician's Guide presents a fresh, practical, and concise text book covering the vital issues that the urologist must face on a daily basis in the office. The initial chapters of the textbook cover the critical aspects of managing the urologic office, such as principles of management, marketing the practice, proper billing and coding, advanced information systems, and important legal issues. The book is not intended to review in detail the academic aspects of the various pathologies pertaining to urology, which have been well covered in several other textbooks. Instead, the clinical chapters deal with practical issues, such as selecting appropriate treatment and counsel ing patients on the optimal therapy for the problems that the urologist frequently man ages. The individual authors have demonstrated expertise in their fields.

Diagnosis and Management

Current Practice and Future Directions

Sonography

Diagnostic Techniques in Urology

Ultrasound of the Urogenital System

Medical sonography is a medical imaging modality used across many medical disciplines. Its use is growing, probably due to its relative low cost and easy accessibility. There are now many high quality ultrasound imaging systems available that are easily transportable, making it a diagnostic tool amenable for bedside and office scanning. This book includes applications of sonography that can be used across a number of medical disciplines including radiology, thoracic medicine, urology, rheumatology, obstetrics and fetal medicine and neurology. The book revisits established applications in medical sonography such as biliary, testicular and breast sonography and sonography in early pregnancy, and also outlines some interesting new and advanced applications of sonography.

This book provides an overview of the current state-of-art in combining advances in biomedical imaging with intraoperative navigation and preoperative planning for urologic surgery. These advances hold great promise in improving diagnostic and therapeutic urologic interventions to improve patient outcomes. Leading experts in this exciting emerging field covers early clinical and pre-clinical applications of optical, ultrasound, cross-sectional and computer-assisted imaging in urologic surgery. Advances in Image-Guided Urologic Surgery provides a unique and valuable resource for audience with clinical and research interest in minimally invasive surgery, endourology, urologic oncology, imaging and biomedical engineering.

This book provides a unique and comprehensive analysis of the normal anatomy and pathology of the kidney and upper urinary tract from the modern diagnostic imaging point of view. The first part is dedicated to the normal radiological anatomy of the kidney and normal anatomic variants. The second part presents in detail all of the imaging modalities which can be employed to assess the kidney and the upper urinary tract, with careful descriptions of patient preparation, investigation protocols, and principal fields of application of each imaging modality. The entire spectrum of kidney pathologies is then presented with the aid of a large set of images, many of which are in color. The latest innovations in interventional radiology, biopsy procedures, and parametric and molecular imaging are also described. This book should be of great interest to all radiologists, oncologists, and urologists who are involved in the management of kidney pathologies in their daily clinical practice.

Images in Urology is a unique book that integrates images of urological conditions within their clinical context. Improvements in imaging techniques have meant greater diagnostic power and a dramatic rise in the number and quality of images obtained and viewed by practicing clinicians. None more so than in the field of urology, where static and dynamic images are fundamental to the diagnosis and treatment of almost all conditions. This book presents images of radiological and radionucleotide scans, macroscopic and microscopic histopathology specimens, urodynamic traces and photographs of dermatological conditions relating to urology. Each section has a series of questions, often relating to a clinical scenario, about the images. A comprehensive answer provides a description of each image and of the condition shown. Details of how to interpret the image and the use of contrast or staining methods to help differentiate normal anatomy from pathology are included. Images in Urology is an essential tool for urology, radiology and histopathology trainees and consultants, as well as being an excellent exam preparation guide.

Imaging of Urinary Tract Diverticula

A Practical Approach to Clinical Problems

Practical Urological Ultrasound

Radiological Imaging of the Kidney

Imaging of Kidney Cancer

Practical Urological Ultrasound has become a primary reference for urologists and sonographers performing urologic ultrasound examinations. This third edition is comprised of twenty-two chapters including newly added chapters on technical advancements in ultrasound, male reproduction ultrasound, point-of-care ultrasound, quality assessment and implementation for urologic practices, and sonographers in the urologic practice. All chapters are fully updated and expanded, covering additional literature on further elucidation of Doppler ultrasound principles, sonoelastography, quantitative evaluation of the clinical causes of ED, evaluations of the pelvic mesh implant and its complications, developments in multiparametic ultrasound of the prostate, and updated protocols in POCUS. Written by experts in the field of urology, Practical Urological Ultrasound, Third Edition continues to serve as an important resource for the novice and a comprehensive reference for the advanced sonographer.

Here's a text that contains comprehensive descriptions of urologic diagnostic techniques in current practice. It describes both the performance and interpretation of procedures, as well as examines the roles of various techniques in the evaluation of specific urological diseases. Covers urinary tract angiography, ultrasound, nuclear medicine, endoscopic techniques, lymphography, ambulatory monitoring techniques, obstructive uropathy, vesico-ureteric reflux, impotence, and more. Over 50 authorities from England, USA, and Western Europe contribute.

Ultrasonography in Vascular Diseases: A Practical Approach to Clinical Problems is a concise guide to the latest clinical applications of ultrasound in diagnosing vascular disorders and diseases. Well-known authorities in the field provide straightforward instruction on how to choose the appropriate imaging examination and complete the imaging workup of the patient for the full range of vascular problems.Highlights: Practical information on the usefulness of ultrasound, non-imaging tests, or other imaging modalities, such as CT and MR Thorough descriptions of symptoms, differential diagnosis, techniques, as well as the possible complications, benefits, and limitations of each technique More than 150 images and photographs illustrate key concepts Ideal for reference and review, this text will prove to be an indispensable clinical reference for ultrasonographers, radiologists, interventional radiologists, vascular surgeons, cardiologists, vascular medicine specialists, residents, physicians, nurses, and radiology assistants.

This book is a supplement to Volume V/I in the present series, Diag nostie Radiology, published in 1962. Despite the relatively long period of time whieh has elapsed sinee its publieation, that eomprehensive vol urne is still essentially valid, even though further developments have of course oeeurred in eertain fields. In reeent years the developments in nuclear medieine and ultrasonie teehniques have led to a number of new methods of medieal investigation, whieh, in different ways, eomplement diagnostie radiology. Funetional disorders of the urinary traet ean often be detected by means of radioiso topes. Sinee morphologie ehanges are almost always preeeeded by fune tional disturbanees, radionuclide teehniques in many instanees produee an earlier diagnosis than radiography. Disturbances of renal blood flow, slight ureterie obstruetion, and ureterie reflux are examples of pathologie states whieh ean be deteeted early by the y scintillation eamera. Bone seans, Le., imaging of the skeletal system using a radionuclide, are used extensively to diagnose bone metastases now that it has been demonstrated that such metastatie growths are identified both earlier and with greater aeeuraey by scintigraphy than by radiographie teeh niques.

Manual of Ultrasound

Radionuclides in Urology - Urological Ultrasonography - Percutaneous Puncture Nephrostomy

Essentials of Ultrasonography

Oxford Textbook of Urological Surgery

For doctors and students who wish to learn ultrasonography concisely yet comprehensively. The authors present the subject both systematically and practically, and with the facility of quick reference in mind, making generous use of flow-charts, tables and teaching-points. All general aspects of diagnostic ultrasound are covered, concentrating on those disorders encountered in the daily routine of scanning, but also referring to rarer conditions which need to be considered in differential diagnosis.

All unsuccessful revolutions are the same, but each successful one is different in its own distinctive way. The reason why revolutions occur is that new forces attain increasing significance and classic institutions are incapable of accomodating these forces. Such has been the pattern of events in the English, American and French revolutions. These successful revolutions produced a new dynamic and new perspectives. One English revolutionary put this succinctly: "Let us be doing, but let us be united in doing". This book sets out what is a revolution in. the perspectives of diagnostic imaging of the kidney and urinary tract. Forces which have brought about this revolution are the advent of reliable techniques in radioisotope studies, ultrasonics and computerized tomographic (CT) scanning. This last modality carries with it specific problems for routine paediatric work and its role in the study of kidney and urinary tract problems is discrete and circumscribed. However, in conjunction with classic radiology, each of these techniques yields information of a different type and so a synthesis of data accrues.

Prostate Ultrasound: Current Practice and Future Directions addresses the most up-to-date imaging techniques that incorporate ultrasound in the evaluation of prostate cancer. The volume features an important section on the applied physics of ultrasound and the future techniques that promise soon be to be routinely available as we continue to improve our ability to evaluate this optically illusive disease. The volume evaluates imaging of the prostate for the diagnosis and treatment of these benign conditions, and evaluates the future of pelvic floor ultrasound in the male. The general scope encompasses the physics of ultrasound, the technical aspects on the use of ultrasound, and the actual present day state of the art use of ultrasound in the treatment and diagnosis of men with prostatic issue. The volume also includes the unique feature of providing links to video clips that illustrate techniques of diagnostic ultrasound that will provide the reader with the foundation to perform accurate and safe ultrasound exams. Prostate Ultrasound: Current Practice and Future Directions will be of great value to urologists, radiologists, medical oncologists ultrasound technicians and fellows and residents in urology.

Written by experts in the field, this concise and evidence-based ultrasound text includes key topics ranging from the head and neck to the upper and lower extremity, covering all the clinically relevant sonoanatomy. This 33-chapter book emphasizes the practical use of ultrasound for the diagnosis and treatment of a multitude of conditions in various specialty areas such as airway management, cardiovascular disease assessment, pulmonary status evaluation, orthopedics, gynecology and pediatrics. The optimal techniques and the step-by-step interpretation of normal and pathologic sonoanatomy are discussed in detail. This text can be used as a starting point for the study of ultrasound guided diagnosis and treatment, a refresher manual for sonoanatomy on major organ systems, or a last-minute guide before a bedside procedure. There is a great breadth of material that is covered in a comprehensive manner, making it a great resource for board review and exam preparation for various medical, surgical and allied specialties. Unique and pragmatic, Ultrasound Fundamentals is a back to basics manual on normal and pathologic sonoanatomy of head and neck, upper and lower extremity, chest, abdomen and other major organ systems

An Evidence-Based Guide for Medical Practitioners

Pediatric and Adolescent Urologic Imaging

Imaging of Urogenital Diseases

Contemporary Interventional Ultrasonography in Urology

Contrast-Enhanced Ultrasound of the Urinary Tract