

Abdominal Intraoperative Ultrasonography

Essentials of Ultrasound
Textbook of Gastrointestinal Radiology
Intraoperative and Laparoscopic Ultrasonography
Ultrasound for Surgeons
Abdominal Ultrasound, An Issue of Ultrasound Clinics,
Abdominal and General Ultrasound
Abdominal Imaging E-Book
Intraoperative Ultrasonography in Hepato-Biliary and Pancreatic Surgery
Abdominal Intraoperative Ultrasonography
Surgical Treatment
Intraoperative, Laparoscopic, and Endoluminal Ultrasound
Jonathan E. Rhoads
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Laparoscopic Colorectal Surgery
Issues in Cancer Epidemiology and Research: 2011 Edition
Abdominal Ultrasound
A Comprehensive Guide to Geriatric Rehabilitation

Essentials of Ultrasound

Textbook of Gastrointestinal Radiology remains your indispensable source for definitive, state-of-the-art guidance on all the latest and emerging GI and abdominal imaging technologies. Drs. Richard M. Gore and Marc S. Levine lead a team of world-renowned experts to provide unparalleled comprehensive coverage of all major abdominal disorders as well as the complete scope of abdominal imaging modalities, including the latest in MDCT, MRI, diffusion weighted and perfusion imaging, ultrasound, PET/CT, PET/MR, plain radiographs, MRCP, angiography, and barium studies. This edition is the perfect "go-to" reference for today's radiologist. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Characterize abdominal masses and adenopathy with the aid of diffusion-weighted MR imaging. See how gastrointestinal conditions present with more than 2,500 multi-modality, high-quality digital images that mirror the findings you're likely to encounter in practice. Make optimal use of the latest abdominal and gastrointestinal imaging techniques with new chapters on diffusion weighted MRI, perfusion MDCT and MRI, CT colonography, CT enterography and MR enterography—sophisticated cross-sectional imaging techniques that have dramatically improved the utility of CT and MR for detecting a host of pathologic conditions in the gastrointestinal tract. Expert guidance is right at your fingertips. Now optimized for use on mobile devices, this edition is perfect as an on-the-go resource for all abdominal imaging needs. Effectively apply MR and CT perfusion, diffusion weighted imaging, PET/CT and PET/MR in evaluating tumor response to therapy.

Textbook of Gastrointestinal Radiology

Useful as either a stand-alone reference or as a companion to a sonography textbook, this handy book presents differential diagnoses for various disorders seen on ultrasound. References are included. Includes a thorough chapter on the basics of ultrasound physics. Features tables of differential diagnosis that readers will find helpful when interpreting unexpected findings. Offers complete coverage of ultrasound of all major organ systems, including thyroid/parathyroid, genitourinary system, kidneys, bladder, prostate and testicles, upper abdomen including liver, gallbladder, pancreas, and spleen, and ultrasound of the breast and female pelvis. Covers obstetrical and vascular ultrasound. Suggested readings for more detailed information are given at the end of each chapter.

Intraoperative and Laparoscopic Ultrasonography

Ultrasound for Surgeons

As more and more practitioners are relying on ultrasound as an accepted, safe, and cost-effective diagnostic tool in everyday practice, its use in diagnosing abdominal problems is quickly increasing. This up-to-date edition includes coverage of basic anatomy, technique, and ultrasound appearances, in addition to the most common pathological processes. It serves as both a practical, clinically relevant manual and resource for professionals, as well as an invaluable textbook for students entering the field. Over 500 illustrations and high-quality scans clearly show abdominal anatomy. Practical and clinically relevant coverage addresses the concerns of both practitioners and students. Succinct, comprehensive chapters convey important points. Updated content and references reflect the most current, expert practice. Many full-color illustrations throughout provide true-to-life images of clinical conditions.

Abdominal Ultrasound, An Issue of Ultrasound Clinics,

Ultrasound continues to be one of the most important diagnostic tools in medicine and is used by a wide range of healthcare professionals across many applications. This book provides a practical, clinically relevant guide for all practitioners working in the field of abdominal ultrasound. Its aim is to enable the operator to maximize the diagnostic information and recognize the limitations of ultrasound scans. Accessible, step-by-step approach Covers the basic related anatomy, technique and ultrasound appearances together with the most common pathological processes Written at a level suitable for both students and practitioners This new edition features: 4-colour figures throughout New chapters on 'Ultrasound in infectious diseases' and 'Safety and musculoskeletal disorders Expanded sections on the bowel, and Contrast agent techniques.

Abdominal and General Ultrasound

Abdominal Imaging E-Book

Issues in Cancer Epidemiology and Research / 2011 Edition is a ScholarlyEditions™ eBook that delivers timely, authoritative, and comprehensive information about Cancer Epidemiology and Research. The editors have built Issues in Cancer Epidemiology and Research: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Cancer Epidemiology and Research in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Cancer Epidemiology and Research: 2011 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Intraoperative Ultrasonography in Hepato-Biliary and Pancreatic Surgery

This text provides surgeons with an introduction to the use of state-of-the-art ultrasound technology in the diagnosis and treatment of surgical diseases. Coverage begins with a review of ultrasound principles, instrumentation, and techniques. The next group of chapters describes the normal and pathologic ultrasound appearances of the abdomen (particularly the pancreas, gastrointestinal tract, and spleen); the hepatobiliary tract; the colon and rectum; the breast; and the peripheral vascular system. A major portion of the book details the applications of interventional, intraoperative, laparoscopic, and endoscopic ultrasound. Also included is a chapter on the use of ultrasound in the management of trauma. More than 350 illustrations complement the text throughout.

Abdominal Intraoperative Ultrasonography

Laparoscopic Colorectal Surgery provides an authoritative, team-oriented approach to the latest state-of-the-art laparoscopic colorectal procedures and surgical techniques. Written by pioneers in the field, this text will supply surgeons with all the information necessary to accomplish advanced laparoscopic procedures. Comprehensive discussions of positioning, instrumentation, cannulas, surgical techniques, special considerations, and considerations in cancer surgery are featured for a wide variety of major operative procedures, including - smallbowel resection - abdominoperineal resection - ileocolectomy, right colectomy, and total abdominal colectomy - proctosigmoidectomy - stoma construction and closure using laparoscopic techniques.

Surgical Treatment

Intraoperative, Laparoscopic, and Endoluminal Ultrasound

Abdominal Ultrasound is comprehensively reviewed by guest editor Wui K. Chong and authors. Articles will include: Ultrasound of the Liver and Spleen; Ultrasound of

the Gallbladder and Biliary Tree; Doppler US of the Liver, Portal Hypertension, and TIPS; Contrast evaluation of liver masses; Elastography of the Abdomen; The Role of Sonography in Liver Transplantation; Renal Ultrasound; Ultrasound of the Renal Transplant; Sonography of the Retroperitoneum; Ultrasound Assessment of the Aorta and Mesenteric Arteries; Sonography of the Bowel; Ultrasound of the Abdominal Wall; Ultrasound-Guided Intervention in the Abdomen and Pelvis, and more!

Jonathan E. Rhoads

Elsevier's new Problem Solving in Abdominal Imaging offers you a concise, practical, and instructional approach to your most common imaging questions. It presents basic principles of problem solving to apply to imaging the abdominal and pelvic organs, gastrointestinal tract, and genitourinary tract. Inside, you'll find expert guidance on how to accurately read what you see, and how to perform critical techniques including biopsy and percutaneous drainage. User-friendly features, such as tables and boxes, tips, pitfalls, and rules of thumb, place today's best practices at your fingertips. A full-color design, including more than 700 high-quality images, highlights critical elements and complements the text, to enhance your understanding. Provides problem-solving advice to help you find abnormalities and accurately identify what you see. Presents a section devoted to clinical scenarios—organized by presenting signs or disease processes—covering those you're most likely to encounter in daily practice. Includes tips for optimization of the most common advanced imaging techniques used for the abdominal and pelvic regions—with general indications for use and special situations—to help you make the most of each modality. Offers step-by-step guidance that will help you safely approach challenging abdominal interventions, reduce complications, and improve outcomes. Features tables and boxes, tips, pitfalls, and other teaching points for easy reference. Incorporates high-quality images and a full-color design that illuminate important elements.

Intraoperative and Endoscopic Ultrasonography

Offers comprehensive, clinical coverage of the pediatric ultrasonography with information on such areas as the face and neck, chest, urinary tract, pancreas, abdominal and pelvic mass, spine, extremities, and more, all in one book.

Abdominal Ultrasound

Operative Ultrasonography

Operative ultrasound, which permits direct We have divided the material into three placement of the probe on the organ to be principal sections: hepatic surgery, biliary studied during surgery, has been in existence surgery, and the surgery of portal hyperten for over 20 years. Early experiences with its sion. Our experience with operative ultra use in urologic [15] and biliary surgery [7, 8, sound in pancreatic disease is not adequate 9] were limited by technical difficulties but for discussion in this manual, although many the evolution of B-mode, real-time ultra

useful applications have been suggested. sound has made possible the broad applica Each chapter includes an anatomical review tion of ultrasound in the operating room. and a presentation of the basic sonographic The goal of operative ultrasound is to signs to clarify the diagnosis and therapy of provide the surgeon with information about a pathologic conditions. Emphasis has been solid organ which is not obvious from its ex placed on the practical applications of opera ternal morphology. What is the nature of the tive ultrasound. lesion? What is its precise localization within With most of the ultrasound images (all the organ? What vascular and anatomical are presented on a black background) two constraints limit its surgical treatment? Mod schematic diagrams are shown: ern ultrasound technology, which produces The first indicates the position of the probe an image faithful to the true anatomy, per on anterior and lateral projections.

Abdominal Ultrasound for Surgeons

Abdominal Imaging, a title in the Expert Radiology Series, edited by Drs. Dushyant Sahani and Anthony Samir, is a comprehensive reference that encompasses both GI and GU radiology. It provides richly illustrated, advanced guidance to help you overcome the full range of diagnostic, therapeutic, and interventional challenges in abdominal imaging and combines an image-rich, easy-to-use format with the greater depth that experienced practitioners need. Select the best imaging approaches and effectively interpret your findings by comparing them to thousands of images that represent every modality and every type of abdominal imaging. Find detailed, expert guidance on all diagnostic, therapeutic, and interventional aspects of abdominal imaging in one authoritative source, including challenging topics such as Oncologic Assessment of Tumor Response and How to Scan a Difficult Patient. Efficiently locate the information you need with a highly templated, well-organized, at-a-glance organization.

Tumor Ablation

Volumes 1 and 2 of the outstanding 3-volume set represent the most superbly illustrated and authoritative guidance on both abdominal and general ultrasound imaging. It includes comprehensive coverage of color Doppler, power Doppler, interventional ultrasound, and laparoscopic ultrasound. With over 1300 illustrations, the most recent advances are fully explained.

Ultrasound for the Surgeon

This publication offers an up-to-date review of the most recent developments in regard to new technologies for surgical resection of the liver. Various topics are presented, and the results of the author's experiences are critically discussed. The issues range from the preoperative evaluation of liver function, the intraoperative use of new surgical devices, ultrasonography and isotopes, and alternative approaches to resections such as laparoscopy to complementary or alternative procedures like arterial chemoembolization, pump infusion chemotherapy and living-related donor liver transplantation. Covering physiopathological, surgical and technical aspects, this book contains a wealth of valuable information for abdominal surgeons, hepatologists and oncologists. It will also be useful for

continuing medical education.

Interventional Ultrasound

Problem Solving in Abdominal Imaging E-Book

This book focuses on what the practitioner needs to know on a daily basis, Abdominal Ultrasound provides clinical instruction and review of diagnostic ultrasonography exams of the abdomen and superficial structures. This practical guide includes tips on how to obtain and interpret images. Professional guidelines and self assessment sections highlight this full-color, clinically focused text. Divided into three parts, it covers introductory material, organs, and emerging trends in abdominal sonography. Easy-to-follow techniques and suggestions on how to improve images are highlighted in design, giving the reader the benefit of experienced sonographers knowledge on how to get the best views of difficult-to-image structures Information pertinent to paediatric sonography is highlighted with a baby icon Full colour format makes it easier to visualise structures and correlate them with anatomy

Ultrasonography in Urology

There is an enormous sense of excitement in the communities of cancer research and cancer care as we move into the middle third of the first decade of the 21st century. For the first time, there is a true sense of confidence that the tools provided by the human genome project will enable cancer researchers to crack the code of genomic abnormalities that allow tumor cells to live within the body and provide highly specific, virtually non-toxic therapies for the eradication, or at least firm control of human cancers. There is also good reason to hope that these same lines of inquiry will yield better tests for screening, early detection, and prevention of progression beyond curability. While these developments provide a legitimate basis for optimism, many patients will continue to develop cancers and suffer from their debilitating effects, even as research moves ahead. For these individuals, it is imperative that the cancer field make the best possible use of the tools available to provide present day cancer patients with the best chances for cure, effective palliation, or, at the very least, relief from symptoms caused by acute intercurrent complications of cancer. A modality that has emerged as a very useful approach to at least some of these goals is tumor ablation by the use of physical or physiochemical approaches.

Liver Research and Clinical Management

Early Detection and Treatment of Liver Cancer

Twenty-one experts in the field present comprehensive coverage of new and established techniques for both diagnostic ultrasound and ultrasound-guided surgical interventions. 417 superbly reproduced images, with complete technical descriptions, depict these techniques.

Intraoperative Ultrasound Imaging in Neurosurgery

Differential Diagnosis in Abdominal Ultrasound, 3/e

Ultrasonography of Infants and Children

Intraoperative ultrasound is the first and, at present, only direct method available for depicting cerebral structures during neurosurgery. This atlas is a practical introduction to intraoperative ultrasound in neurosurgery and a guide to anatomy and pathomorphological diagnosis. A short introduction to the technical basis of ultrasound is given first. It is followed by instructions for practical application of the method in the operating theater. The next, comprehensive chapter presents various intracranial pathomorphological changes in the ultrasound picture and compares them to the familiar computer tomography and MRI images. A separate chapter deals with individual aspects of actual application during neurosurgical operations: ultrasound biopsy, puncture and endoscopy. This volume is an excellent source of information for the practical application of intraoperative ultrasound.

Textbook of Gastrointestinal Radiology E-Book

This book is directed towards general surgeons and radiologists and provides an insight into the potential applications of ultrasonography in the operating theatre, together with guidance on the techniques and procedures used. The accompanying colour illustrations show both the view obtained and indicate the corresponding position of the probe, making the book particularly useful for those less familiar with these developments. Diagnostic ultrasound has been in wide use in gynaecology, vascular surgery and urology, and the arrival of laparoscopic surgery now shows the general surgeon that intraoperative and laparoscopic ultrasonography have much to offer in the investigation and treatment of intra-abdominal disease.

Abdominal Ultrasound for Surgeons

Blumgart's Surgery of the Liver, Pancreas and Biliary Tract E-Book

Comprehensive and complete, Blumgart's Surgery of the Liver, Pancreas and Biliary Tract - edited by Dr. William R. Jarnagin and a team of experts- delivers the comprehensive, cutting-edge guidance you need to achieve optimal outcomes in surgery of the liver, biliary tract, and pancreas. Edited by a panel of experts and featuring contributions by many leading authorities, this 2-volume reference brings you the latest information on pathology, diagnostics, surgery, and non-operative intervention all in one source. At www.expertconsult.com you can not only access the complete contents online, but also an abundance of detailed illustrations and step-by-step procedural video clips from the Memorial Sloan Kettering video library

that show you how to perform key procedures step by step. Glean all essential, up-to-date, need-to-know information in one comprehensive reference that provides extensive coverage of pathology, diagnostics, surgery, and non-operative intervention as well as hepatobiliary and pancreatic surgery. Deepen your understanding of surgical anatomy to help with diagnosis, surgical operation, interventional radiology, and endoscopy. See how to perform key procedures by watching operative videos from the Memorial Sloan Kettering video library. Apply the most advanced diagnostic and management options for each disease, including interventional techniques. Stay current with the latest knowledge and advancements including minimally invasive techniques in hepatic resection; surgical considerations for congenital disorders of the pancreas; non-surgical therapies for pancreatic cancer; microwave ablation and other emerging technologies; the most recent developments in the rapidly changing area of transplantation; and the newest best practices in pre- and post-operative care and blood transfusion. Get in-depth coverage of the pancreas from the only fully comprehensive text on both hepatobiliary and pancreatic surgery. Learn from the very best. Rely on the trusted guidance of experts, with a fresh perspective from senior editor, Dr. William Jarnigan, who has earned a national and international reputation in the surgical management of diseases of the biliary tract. Access the full text online at www.expertconsult.com, along with image and video libraries, tables, figures, and more! Over 200 additional contributing experts. A single, comprehensive reference that covers pathology, diagnostics, surgery, and non-operative intervention all in one text!

Pitfalls and Complications in the Diagnosis and Management of Hepatobiliary and Pancreatic Diseases

Edited by two preeminent leaders in the use of ultrasound in surgical practice, this volume is a state-of-the-art guide to preoperative and intraoperative applications of ultrasound. The book familiarizes surgeons with current equipment, scanning techniques, and interventional instrumentation and provides detailed instruction on diagnostic and interventional ultrasound for specific surgical diseases in each anatomic region. A major portion of the book focuses on intraoperative, laparoscopic, and endoscopic ultrasound in abdominal organs. Coverage also includes ultrasound in trauma and acute care settings. Hundreds of ultrasound images complement the text. Line drawings are used to clarify the images where necessary.

Ultrasound-Guided Percutaneous & Intraoperative Procedures, An Issue of Ultrasound Clinics - E-Book

In 1983 and 1984, I had the pleasure of being invited to Europe for the Course of Hepatobiliary Surgery started by Professor Hepp and continued by Professor Bismuth. In these courses, I demonstrated many slides and movies of intraoperative echography that Makuuchi, one of my staff members, had made using the transducer that he was the first to develop. The topic of Intraoperative Echography had an enormous impact on the audience, and its use has since spread rapidly over the European countries, by virtue of the first Italian edition of Professor Gozzetti's book on Intraoperative Echography and Professor Bismuth's

monograph on the same topic. I had been, therefore, unwittingly a very fortunate transmitter of intraoperative echography to Europe by means of Makuuchi's slide file. I am extremely honoured that the Italian Edition written by Gozzetti, Mazziotti and Bolondi has been dedicated to me. Also in this English Edition, Professor Gozzetti very kindly asked me to write a few words. It is an extraordinary pleasure for me to emphasize how this book is easy to read and understand, maybe by virtue of the profound Italian tradition of artistic expression since the Renaissance. On the other hand, a variety of series of intraoperative echographic images as well as resected specimens are arranged in an excellent manner.

Medical Principles and Practice

Now in its third edition, this trusted clinical guide enables both the busy practitioner and student to review or to learn about a range of pathologies, conditions, examinations, diagnostic procedures, and interventions that can be effectively used in the physical rehabilitation of older people. It presents a broad overview of age-related physiological changes as well as specific professional discipline perspectives. Organized into eleven distinct and interrelated units, the first unit begins with key anatomical and physiological considerations seen with aging which have significant impact on the older person. The second and third units go on to review important aging-related conditions and disorders of the musculoskeletal and neuromuscular/neurological systems respectively. Neoplasms commonly encountered in older people are the focus of the fourth unit; while aging-related conditions of the cardiovascular, pulmonary, integumentary and sensory systems are presented in units five through seven. Unit eight highlights a range of specific clinical problems and conditions commonly encountered with older patients. Critically, all of these units emphasize important examination and diagnostic procedures needed for a thorough evaluation and stress interventions that can be of significant benefit to the older patient. The ninth unit presents select physical therapeutic interventions that are especially important in managing rehabilitative care. Key societal issues related to aging are discussed in the tenth unit. Finally, the concluding eleventh unit focuses on the successful rehabilitation team that includes both professional and non-professional caregiver members. A trusted guide to the conditions and problems faced when evaluating and treating geriatric patients Extensive coverage over 84 chapters, each written by an expert in the field Includes imaging, vision and the aging ear Cross-referenced - providing the complexity and inter-relatedness of co-morbidities common to aging patients Collaborative international perspective Chapters on the aging spine; frailty; safe pilates for bone health; health care for older people Additional renowned editor - Ronald W. Scott Revised title to reflect the comprehensive scope of content covered (previously entitled Geriatric Rehabilitation Manual)

Operative Ultrasound of the Liver and Biliary Ducts

Novel Regional Therapies for Liver Tumors

New Technologies for Liver Resections

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.

Abdominal Ultrasound E-Book

The role of ultrasound in interventional procedures continues to expand in tandem with refinements of sonographic technology. This issue of *Ultrasound Clinics* includes the following articles: Ultrasound-Guided Breast Interventions, Ultrasound-Guided Procedures in Obstetrics; Ultrasound-Guided Transvaginal Procedures; Ultrasound-Guided Visceral Biopsies: Renal and Hepatic; Ultrasound-Guided Abscess Drainages; Ultrasound-Guided Intraoperative and Percutaneous Tumor Ablation; Ultrasound-Guided Vascular Access; Ultrasound-Guided Biliary Interventions: Percutaneous Biliary Drains and Cholecystostomies; Percutaneous Nephrostomy; Ultrasound-Guided Management of Vascular Access Pseudoaneurysms.

Laparoscopic Colorectal Surgery

Issues in Cancer Epidemiology and Research: 2011 Edition

Hepatology is the medical specialty that studies the normal functioning of the liver and its diseases. It has experienced a steady progress in recent decades, as well as occurred in other medical specialties. It deals with the acute and chronic inflammatory processes of the liver, among which is the viral hepatitis. Recently, very effective drugs have been introduced in this field that achieves the elimination of the hepatitis C virus in the great majority of patients. Nonalcoholic steatohepatitis has increased markedly worldwide especially in Western countries in relation to overweight, diabetes, and other metabolic conditions. Cirrhosis and its complications are better managed, and patients live longer, thanks also to the earlier detection of hepatocarcinoma and the generalization of the use of liver transplants. This book deals with all of these interesting topics, thanks to the excellent collaboration of a great group of specialists that have collaborated with their knowledge and expertise in this edition.

Abdominal Ultrasound

Abdominal Ultrasound for Surgeons provides a comprehensive guide to the use of ultrasonography in surgical practice of abdominal diseases. The content is divided into three major sections, with the final section being dedicated to the logistics of incorporating ultrasound into a surgical practice. In Part I : The Basics, the principles of ultrasonography are reviewed focusing on ultrasound physics, equipment and instrumentation. A detailed approach to the various scanning methods with image and artifact interpretation is demonstrated with illustrations and images. In Part II : Anatomy, Application and Intervention, ultrasound anatomy and its use in surgery are detailed. The normal and abnormal ultrasound anatomy of specific abdominal organ or organ systems (esophagus, liver, pancreas, biliary, stomach, anorectum, vascularabdominal wall) with illustrations and images are demonstrated. A state-of-the-art review of the major applications of surgical abdominal ultrasound is provided in this section ranging from trauma ultrasound and laparoscopic staging to techniques in ultrasound guidance and three-dimensional targeting. In Part III : Ultrasound in Surgical Practice, the practical aspects of incorporation of ultrasound into a surgical practice are addressed with topics ranging from credentialing to coding and billing. Abdominal Ultrasound for Surgeons will serve as a very useful resource and guide for surgeons and students with little to some experience in ultrasound, including practicing surgeons, surgical fellows and surgical residents.

A Comprehensive Guide to Geriatric Rehabilitation

Abdominal Ultrasound for Surgeons provides a comprehensive guide to the use of ultrasonography in surgical practice of abdominal diseases. The content is divided into three major sections, with the final section being dedicated to the logistics of incorporating ultrasound into a surgical practice. In Part I : The Basics, the principles of ultrasonography are reviewed focusing on ultrasound physics, equipment and instrumentation. A detailed approach to the various scanning methods with image and artifact interpretation is demonstrated with illustrations and images. In Part II : Anatomy, Application and Intervention, ultrasound anatomy and its use in surgery are detailed. The normal and abnormal ultrasound anatomy of specific abdominal organ or organ systems (esophagus, liver, pancreas, biliary, stomach, anorectum, vascularabdominal wall) with illustrations and images are demonstrated. A state-of-the-art review of the major applications of surgical abdominal ultrasound is provided in this section ranging from trauma ultrasound and laparoscopic staging to techniques in ultrasound guidance and three-dimensional targeting. In Part III : Ultrasound in Surgical Practice, the practical aspects of incorporation of ultrasound into a surgical practice are addressed with topics ranging from credentialing to coding and billing. Abdominal Ultrasound for Surgeons will serve as a very useful resource and guide for surgeons and students with little to some experience in ultrasound, including practicing surgeons, surgical fellows and surgical residents.

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