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 Gastroenterologic Endosonography
 Progress in Endoscopic Ultrasonography, An Issue of Gastrointestinal Endoscopy Clinics, E-Book
 Endoscopic Ultrasound
 Interventional Endoscopic Ultrasound
 A Basic Approach To Longitudinal Endoscopic Ultrasound
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CASSIDY KADE

Endoscopic Ultrasound Elsevier Health Sciences

Researchers in data management have recently recognized the importance of a new class of data-intensive applications that requires managing data streams, i.e., data composed of continuous, real-time sequence of items. Streaming applications pose new and interesting challenges for data management systems. Such application domains require queries to be evaluated continuously as opposed to the one time evaluation of a query for traditional applications. Streaming data sets grow continuously and queries must be evaluated on such unbounded data sets. These, as well as other challenges, require a major rethink of almost all aspects of traditional database management systems to support streaming applications. Stream Data Management comprises eight invited chapters by researchers active in stream data management. The collected chapters provide exposition of algorithms, languages, as well as systems proposed and implemented for managing streaming data. Stream Data Management is designed to appeal to researchers or practitioners already involved in stream data management, as well as to those starting out in this area. This book is also suitable for graduate students in computer science interested in learning about stream data management.

Gastroenterologic Endosonography Thieme Medical Publishers

Accompanying DVD-ROM contains ... "video ancillary [to the text]."--Menu frames.

Progress in Endoscopic Ultrasonography, An Issue of Gastrointestinal Endoscopy Clinics, E-Book
 Routledge

The introduction of endosonographically guided fine-needle biopsy has led to increasing use of longitudinal scans in the endosonographic diagnosis of tumors and other diseases of the upper gastrointestinal tract as well as of the pancreas. In this handbook, experts concentrate primarily on practical aspects of using endosonography with longitudinal scans. Examination techniques, interpretation of the ultrasound images, and normal anatomy with important guiding structures are demonstrated by means of 3D CT images and the corresponding endosonographic images. In addition, pathological endosonographic findings and the current status of diagnosis using fine-needle biopsy are described.

Endoscopic Ultrasound Elsevier Health Sciences

Following the development of gray-scale imaging, real-time scanning, Doppler examination, and high-frequency sonography, endosonography is one of the latest major breakthroughs in the history of diagnostic ultrasound. Although early attempts at inserting ultrasound transducers in natural cavities of the body can be traced back more than two decades, only in the past few years has technology allowed the development and commercialization of effective, easy-to-use endosonographic probes. Because the transducer can be placed in direct contact with or close to lesions, high frequencies (up to ~2 MHz) can be used, yielding cross-sectional images of unsurpassed resolution. The availability of specially designed intracorporeal probes for specific natural cavities that are routinely explored by conventional (optical) endoscopy or palpation has significantly expanded the diagnostic applications of sonography. Transrectal and transvaginal examinations are now performed routinely in many institutions, and virtually all sonographic equipment manufacturers have in their line of products at least one endorectal and one endovaginal transducer. Most endosonographic probes connect to existing scanners, and for radiology departments, the investment for transrectal or transvaginal scanning will usually be limited to the purchase of the specific probe. In this book, clinical applications of endosonography (excluding transesophageal echocardiography) are covered by European and North American experts. Current equipment and techniques of examination are described in detail to help newcomers get started in the field of endosonography.

Interventional Endoscopic Ultrasound World Scientific

First published in 1997. Routledge is an imprint of Taylor & Francis, an informa company.

A Basic Approach To Longitudinal Endoscopic Ultrasound Springer Science & Business Media

A fully up-to-date edition of the essential introduction to Endoscopic Ultrasonography Endoscopic ultrasonography, or EUS, has evolved over more than three decades of use to become an indispensable technique not only for diagnosing and staging a range of gastrointestinal conditions, but also for performing interventional endoscopic procedures. It has become a ubiquitous resource at hospitals across the globe. Endoscopic Ultrasonography has long been an essential resource for gastrointestinal endoscopists and other medical professionals looking to incorporate EUS into their programs of care. Now fully updated to reflect the latest research and technological development, it promises to continue in the pioneering tradition of EUS training. Readers of the fourth edition of Endoscopic Ultrasonography will also find: A team of contributors which includes the pioneers of endosonography and their immediate successors New chapters dedicated to therapeutic procedures using lumen apposing metal stents A practical, hands-on approach to learning EUS Endoscopic Ultrasonography, 4th Edition is ideal for all GI endoscopists and other medical professionals working with gastrointestinal pathologies.

Endoscopic Ultrasound Management of Pancreatic Lesions John Wiley & Sons

This text stresses the importance of Endoscopic Ultrasound (EUS) - the combination of flexible endoscopy and ultrasound (U/S) - as a tool to see beyond the digestive tract into the human body, and in particular to visualize the pancreas, an endocrine organ which is hidden deep inside the retroperitoneum. Pancreatic cancer, which is increasing globally, remains one of the most aggressive and morbid cancers, and is only survivable if the cancer is detected early. EUS has become the primary tool used to diagnose such cancers, as well as a variety of other diseases affecting the pancreas. The text is intended for all physicians dealing with patients with pancreatic issues, and will provide them with indications and treatment algorithms for cost-effective referrals and diagnostic testing. For endoscopists with interest in learning EUS, this book will guide them through this complex technology, helping them to better understand the physical and interpretational skills needed in order to perform pancreatic EUS in a simple and effective fashion. *EUS-Guided Tissue Acquisition, An Issue of Gastrointestinal Endoscopy Clinics* Elsevier Endosonography—by Drs. Robert H. Hawes, Paul Fockens, and Shyam Varadarajulu—is a rich visual guide that covers everything you need to effectively perform EUS, interpret your findings, diagnose accurately, and choose the best treatment course. World-renowned endosonographers help beginners apply endosonography in the staging of cancers, evaluating chronic pancreatitis, and studying bile duct abnormalities and submucosal lesions. Practicing endosonographers can learn cutting-edge techniques for performing therapeutic interventions such as drainage of pancreatic pseudocysts and EUS-guided anti-tumor therapy. This updated 2nd edition features online access to the fully searchable text, videos detailing various methods and procedures, and more at www.expertconsult.com. You'll have a complete overview of all aspects of EUS, from instrumentation to therapeutic procedures. Gain a detailed visual understanding on how to perform EUS using illustrations and high-quality images. Understand the role of EUS with the aid of algorithms that define its place in specific disease states. Locate information quickly and easily through a consistent chapter structure, with procedures organized by body system. Access the fully searchable text online at www.expertconsult.com, along with 60 procedural video clips, 300 downloadable PowerPoint slides, and 400 downloadable images, and regular updates reflecting the latest findings. Stay abreast of the most recent studies thanks to downloadable tables that summarize new information, updated on a quarterly basis. Master the technique of systematically performing EUS, then download the hundreds of slides and videos available online to teach and train the newer generation of endoscopists. Find coverage relevant to your needs with detailed chapters,

illustrations, and videos on how to perform EUS for the beginner; a new section on international EUS and technical tips on how to handle difficult FNAs for the advanced user; a totally revised chapter on cytopathology for the pathologist; and a chapter on EBUS and EUS dedicated to the mediastinum for the pulmonologist. Get a clear overview of everything you need to know to establish an endoscopic practice, from what equipment to buy to providing effective cytopathology service. Tap into the expertise of world-renowned leaders in endosonography, Drs. Robert H. Hawes, Paul Fockens, and Shyam Varadarajulu.

Endosonography in Gastroenterology, Gynecology and Urology PMPH-USA

The Atlas of Endoscopic Ultrasonography provides readers with a large collection of excellent images obtained from both diagnostic and therapeutic procedures. The Atlas includes a DVD which will be an invaluable addition to the library of trainee and practising gastroenterologists with video clips and searchable database of images. Together the book and DVD offer a first class collection of images to give a highly integrated introduction to endoscopic ultrasonography. The Atlas is an ideal companion to Dr Gress et al's Endoscopic Ultrasonography, Second Edition.

Pancreatic Endoscopic Ultrasound Elsevier Health Sciences

Dr. Gress has assembled top experts to discuss the latest advances of using endoscopic ultrasound for diagnostic and therapeutic purposes. The issue has review articles devoted to the following topics: EUS Elastography; Contrast-Enhanced EUS; New developments in EUS- FNA Tissue Acquisition; EUS FNA: Cytologic and histologic using new techniques for interpretation; New EUS Techniques for diagnosing pancreatic neoplasms; EUS for diagnosing and treating pancreatic cysts; The role of EUS in the diagnosis of Autoimmune Pancreatitis; Therapeutic EUS for cancer treatment; and EUS-guided techniques in biliary drainage, pancreatic drainage, necrosectomy, pelvic fluid collections, hemostasis techniques, and gastrojejunostomy. The issue ends with articles that look at training issues and the future of EUS. Readers should leave with the clinical information they need to embrace the latest advances of endoscopic ultrasonography.

Endosonography in Gastroenterology, Gynecology and Urology Elsevier Health Sciences

This volume provides a comprehensive, state-of-the-art overview on interventional endoscopic ultrasound (EUS). Each chapter covers a single procedure or related group of procedures, features a detailed literature evaluation and tips on these cutting edge endoscopic techniques, and is accompanied by a comprehensive endoscopic video and illustrative endoscopic and ultrasonographic images. The text also reviews adverse events related to interventional EUS, both how to avoid them and how to manage them when they arise. Written by to endoscopic experts in the field, *Interventional Endoscopic Ultrasound* is a valuable resource for practicing gastroenterologists who perform advanced endoscopy.

Endobronchial Ultrasonography Thieme

Endoscopic ultrasound (EUS) is now considered one of the most essential and cost-effective techniques in the assessment of a wide range of gastrointestinal diseases. A remarkably versatile, minimally invasive procedure, it also calls for a high level of anatomic knowledge and technical prowess. This revised and updated lavishly illustrated volume -- a textbook and atlas in one -- offers medical professionals the most comprehensive overview of EUS available, as well as a wealth of valuable insights from leaders in the field. Features: More than 1000 high-quality images Logical, easy-to-use structure, including the requisite anatomy and pathology Strategies for selecting patients and procedures, including hygiene requirements, informed consent, patient positioning and monitoring, and more Precise clinical descriptions and valuable tips and techniques for diagnosis and treatment Guidance on the successful handling of needling and catheters Insightful discussions of the uses and limitations of evolving techniques Chapters on contrast-enhanced EUS techniques and SonoElastography, new chapters on Hot Spots of Interventional EUS and Portal Hypertension. Accompanying DVD with over 60 video sequences and 30 still images on selected topics Written for specialists and trainees in gastroenterology, pneumology, and surgery, *Endoscopic Ultrasound* -- with its broad scope and up-to-date information -- is essential reading for anyone wishing to explore and exploit the potential of state-of-the-art EUS.

Longitudinal Endosonography Springer Science & Business Media

Endoscopic ultrasonography (EUS) has evolved from an obscure method of investigation in the 1980s to a distinct endoscopy subspecialty with interventional and therapeutic capabilities. The art of interpreting EUS images is a skill every endoscopist needs to master. This book helps to meet that need as it is concise, simple to read, and amply illustrated, and describes the technique in a step-by-step manner. Many high-resolution EUS images of diseases are included, and literature reviews are kept short and concise while separate discussions and illustrations are devoted to radial and linear techniques. The book can be used as a reference handbook in the endoscopy room, yet contains all of the relevant information required to perform EUS, interpret images, and reach a diagnosis. Important pathological conditions are thoroughly discussed using representative EUS images, pointing out salient differentiating features, and relevant literature reviews are included. The section on interventional EUS deals with advanced interventional or therapeutic procedures, and potential complications and methods to avoid them are discussed. For the novice, the book is designed to teach EUS using a step-by-step approach, and for the seasoned endosonographer it is a practical reference tool for use while performing EUS and may also serve in the differentiation of various pathologies.

Electronic Endoscopic Ultrasonography Springer Nature

Transcutaneous ultrasonography is an established procedure for diagnosis and therapy in gastroenterology. However, ultrasonic images can often be hampered by pulmonary and intestinal gas and by bony and adipose tissue. In 1956 Wild and Reid reported the first results of transrectal ultrasound of the prostate [1]. In 1976 Lutz introduced an A-mode ultrasonic probe which could be introduced via the biopsy channel of an endoscope [2]. In 1978 and 1980 Hisanaga performed echocardiography using an ultrasonic transducer attached to the tip of a flexible instrument [3, 4]. In animal studies and later on in humans Di Magno has used an echoendoscope in which a small

transducer was attached at the tip of a fiberoptic endoscope [5, 6]. The purpose was to overcome the limitations of transcutaneous ultrasonography by directly approaching target lesions with a high-frequency ultrasound source via the gastroin testinallumen. S]bsequently, the first series of endoscopic ultrasonography (EUS) examinations were reported during the European congress in Stockholm [7]. The purpose of this book is: 1. To evaluate the technique and the equipment for endoscopic ultrasonography 2. To evaluate in detail the endosonographic pattern of the normal and abnormal wall structure 3. To analyze a large consecutive series of various gastrointestinal malignancies in order to determine the usefulness and accuracy of EUS in the detection, staging, and therapy of malignant diseases 4. To compare EUS with other imaging techniques References 1. **EUS Pathology with Digital Anatomy Correlation** Elsevier Health Sciences This book provides an up-to-date review of therapeutic EUS with an equal focus on technical descriptions with ample endoscopic images/video clips by world experts and the scientific evidence behind the described techniques. The book provides an overview of the field in a structured manner, starting with general topics on equipment and service development and extending to the fields of EUS-guided drainage, anti-tumor therapies, and other specific EUS-guided interventional treatments. Therapeutic Endoscopic Ultrasound is a key resource for endoscopists, gastroenterologists, surgeons, and GI oncologists.

Endosonography Elsevier Health Sciences

Human Anatomy and Endoscopic Ultrasonography is a comprehensive atlas of normal endosonographic anatomy utilizing correlative images from the Visible Human Data Bank. Endoscopic ultrasonography (EUS) is a rapidly growing area of gastroenterology and this text aims to be the definitive work on human endoscopic ultrasonography anatomy. Drs Bhutani and Deutsch are renowned for their work in this expanding area. In addition to covering the principles of UES, the abundantly illustrated text presents views from the major vascular structures, esophagus, stomach, duodenum and the male and female rectum. This work is original and offers a much-needed atlas and training tool of normal human anatomy by EUS. It addition to shortening the lengthy EUS learning process, this work will provide a useful reference for improving current skills and anatomic image recognition during endosonography.

Endoscopic Ultrasonography Springer Science & Business Media

Longitudinal endoscopic ultrasound (EUS) is now widely accepted as a powerful tool for the exploration of organs outside of the gastrointestinal lumen. The first step in the learning of longitudinal EUS is the first understanding the human anatomic structure on ultrasound. This book provides both the beginner and the middle level endosonographers with a comprehensive guide to anatomic structures in the upper abdomen in longitudinal EUS. Through the use of numerous colour images and supplemented with online video clips, this book will be a great help in mastering longitudinal EUS. Contents: Essential Anatomy of the Upper Abdomen Longitudinal Endoscopic Ultrasound (EUS) for Anatomical Guiding Structures Procedure in Identifying Major Blood Vessels and Scan of Abdominal Organs by EUS Standard Procedures and Useful Tips Learning Materials for Beginners Commentaries to the Online Videos Readership: Gastroenterology fellows and gastroenterologists with interest in endoscopic ultrasound plus beginner and the middle level endosonographers. Keywords: Longitudinal Endoscopic Ultrasound (EUS); Gastrointestinal Lumen; Upper Abdomen; Human Anatomy; ultrasound Structure Review:0

Diagnostic Endosonography People's Medical Publishing House

The available textbooks on endoscopic ultrasound (EUS) typically focus on technique and interpretation of commonly observed images and scenarios and are aimed primarily at trainees. However, independent practitioners of EUS are often challenged by unusual cases which they are expected to handle competently despite the absence of authoritative guidance. The Diagnostic Endosonography aims to fill this gap by presenting carefully selected cases that will expand the practitioner's knowledge base and cover important clinical challenges. The case material is organized principally according to anatomic site. Approximately 170 case reports are included, each of which is accompanied by an average of three to five high-quality EUS images; in addition, CT and PET scans are shown when appropriate. For each case, the case description is followed by helpful "teaching points" as well as up-to-date literature references and suggestions for future research.

Endosonography E-Book Elsevier Health Sciences

More than 25 years ago, when ultrasound diagnostic methods were first introduced into gynecology and obstetrics, few of the pioneers of these techniques suspected what importance sonographic diagnosis was destined to assume. It was soon recognized that the organs of the lesser pelvis could be visualized to much greater advantage by inserting probes into the natural bodily orifices than by abdominal sonography. Full exploitation of the physical properties of ultrasound had to wait, as so often in the history of sonography, for technological advances. Endosonography in the form available to us today combines the advantages of endoscopy and sonography. The next light-reflecting surface, once the limit of endoscopy, represents no barrier to ultrasound. A whole range of both diagnostic and therapeutic procedures can be sonographically guided. Blood flow in vessels lying deep in the lesser pelvis can now be measured by means of vaginal duplex sonography.

Endosonography Elsevier

Dr. Gress has assembled top experts to discuss the latest advances of using endoscopic ultrasound for diagnostic and therapeutic purposes. The issue has review articles devoted to the following topics: EUS Elastography; Contrast-Enhanced EUS; New developments in EUS- FNA Tissue Acquisition; EUS FNA: Cytologic and histologic using new techniques for interpretation; New EUS Techniques for diagnosing pancreatic neoplasms; EUS for diagnosing and treating pancreatic cysts; The role of EUS in the diagnosis of Autoimmune Pancreatitis; Therapeutic EUS for cancer treatment; and EUS-guided techniques in biliary drainage, pancreatic drainage, necrosectomy, pelvic fluid collections, hemostasis techniques, and gastrojejunostomy. The issue ends with articles that look at training issues and the future of EUS. Readers should leave with the clinical information they need to embrace the latest advances of endoscopic ultrasonography.

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