

Diagnostic Endosonography A Case Based Approach

This volume provides a comprehensive, state-of-the-art review of the management of pancreatic lesions. The book reviews the differential diagnosis and pathology of different pancreatic lesions, profiles new advances in endoscopic evaluation, highlights new perspectives about imaging modalities, describes current treatment strategies and provides an algorithmic approach to management of pancreatic tumors. Recently published literature is placed in context with current management recommendations. The text also discusses the latest advances in minimally invasive techniques, such as Endoscopic Retrograde Cholangio-Pancreatography (ERCP) and Endoscopic Ultrasound (EUS). Written by experts in their fields, *Pancreatic Masses: Advances in Diagnosis and Therapy* is a valuable resource for gastroenterologists, surgeons and internists that helps guide patient management and stimulate investigative efforts.

Vol. for 2000 contains proceedings of the Medical Informatics Europe Congress and of the annual congress of the German Association for Medical Informatics, Biometry and Epidemiology (GMDS).

This book is oriented toward clinical studies in the field of endoscopic ultrasound. Due to the advancement in technology, resolution and development of accessory tools, the applications of endoscopic ultrasound have been widely extended. This book covers from usual to special applications of endoscopic ultrasound in various specialties. I hope this book can serve as a tiny telescope that shows how the techniques of endoscopic ultrasound can be used in various parts of the body.

This new edition provides a comprehensive overview of procedures for the gastrointestinal tract. The volume describes the indications, contraindications, and precise method of a procedure, under normal anatomical conditions and when the gastrointestinal tract is surgically altered. In addition to revised chapters from the previous edition, the latest edition features new chapters that cover such topics as endoscopic accessories, cleaning and disinfecting gastrointestinal endoscopes, tissue sampling, removal of foreign bodies, and confocal endoscopy and robotic endoscopy. Each chapter is also accompanied by photographs, diagrams, tables, and algorithms to precisely and easily display complex information. Written by leading authorities from around the globe, *Diagnostic and Therapeutic Procedures in Gastroenterology: An Illustrated Guide, Second Edition* is a valuable resource for gastroenterologists, primary care physicians, and gastroenterology fellows in training who treat and manage patients with gastrointestinal disorders.

Medical Informatics Europe '99

Cytology

Advances in Biliary Endoscopy, An Issue of Gastrointestinal Endoscopy Clinics, E-Book

Endobronchial Ultrasonography

Yamada's Textbook of Gastroenterology, 3 Volume Set

The new 3rd Edition of the classic, definitive reference, *Surgery of the Liver & Biliary Tract* has been completely updated and many chapters have been consolidated for a streamlined approach, allowing the reader to find answers to clinical questions more easily. In addition, the book features many more step-by-step procedures, extensively illustrated with over 200 new operative line drawings. Many updates have been made to reflect the latest information in the field. There is expanded new coverage of the management of tumors of the liver and biliary tract as well as of benign diseases of the liver and biliary tract; emerging techniques for non-surgical treatment of tumors; developments in transplantation; and greater emphasis on laparoscopic techniques. A CD-ROM that incorporates video sequences of operative techniques and a library of many of the line drawings in full color accompanies the text. The Bible of hepatopancreatobiliary surgery Extensively streamlined and updated text Over 200 new operative line illustration Highly illustrated and referenced authoritative New chapters - new coverage More emphasis on operative techniques Includes CD-ROM with video sequences Over 250 new illustrations Emphasis on techniques - a How to do it approach Includes the new developments in liver transplantation Laparoscopic coverage fully integrated Expanded coverage of non surgical treatment of tumors

From diagnostic to therapeutic procedures, *Endosonography, 3rd Edition* is an easy-to-access, highly visual guide covering 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 staging 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. Videos detailing various methods and procedures—and more—equip you with a complete overview of all aspects of EUS. Consult this title on your favorite e-reader, conduct searches, and adjust font sizes for optimal readability. Get a clear overview of everything you need to know to establish an endoscopic practice, from what equipment to buy to providing effective cytopathology services. Understand the role of EUS with the aid of algorithms that define its place in specific disease states. Gain a detailed visual understanding and mastery of how to perform EUS systematically using illustrations, high-quality endosonography images, and videos. Glean all essential, up-to-date information about endosonography including transluminal drainage procedures, contrast-enhanced EUS, and fine-needle aspiration techniques. Benefit from the extensive knowledge and experience of world-renowned leaders in endosonography, Drs. Robert H. Hawes, Paul Fockens, and Shyam Varadarajulu. Locate information quickly and easily through a consistent chapter structure, with procedures organized by body system.

This text provides a comprehensive review of ERCP and EUS and the clinical conditions for which they are employed. Presented in a case-based format with accompanying videos, it will serve as a valuable practical clinical resource for gastroenterologists with an interest in ERCP and EUS. The text highlights major techniques involved in ERCP, reviews complications and recent data on preventing post-ERCP pancreatitis, and discusses important issues in training in ERCP including use of endoscopic simulators and assessment of competency emphasized in the new ACGME guidelines. For biliary diseases, new techniques for managing biliary stones, novel technologies for diagnosing indeterminate biliary strictures, and new devices for treating benign and malignant strictures are also highlighted. For pancreatic diseases, advances in minimally invasive endoscopic techniques for pancreatic stones and strictures, and management of the complications of pancreatitis are reviewed. Furthermore, ERCP is not limited by age, pregnancy or history of abdominal surgeries and special considerations particular to these patient populations are also discussed. The EUS chapters review the breadth of equipment available for performing EUS and EUS-FNA, detail the technique of performing EUS-FNA, and explore pertinent issues with training and assessing competency analogous to ERCP training. Valuable insights on the basics of cytopathology relevant to the endosonographer are summarized. The classic indication for EUS of staging luminal cancers is examined in detail while pancreaticobiliary indications are discussed highlighting newer adjunctive technologies including elastography and contrast-enhanced EUS. Although in its infancy, the brave new world of therapeutic EUS is explored with a focus on endoscopic necrosectomy, EUS-guided biliary and pancreatic access as well as the exciting possibilities of EUS-guided radiofrequency ablation and injection of anti-tumor agents. *ERCP and EUS: A Case Based Approach* will serve as a very useful resource for physicians who perform or refer patients for ERCP and EUS. It provides a concise yet comprehensive summary of the current status of ERCP and EUS that will help guide patient management and stimulate clinical research. ?

Atlas of Endoscopic Ultrasonography *Atlas of Endoscopic Ultrasonography, Second Edition* offers an outstanding visual guide to this very common diagnostic and therapeutic endoscopic tool. With contributions from noted experts in the field, the Atlas contains 400 high-quality

color and black and white images obtained from real cases, each accompanied by detailed annotation to aid readers in their understanding of this popular technical procedure. In addition, there is a companion website featuring 50 video clips of real-life procedures in action, as well as the entire collection of images from within the book. Updated throughout to include the most recent advances in interventional Endoscopic Ultrasound (EUS) guided therapies. Contains a large collection of color images obtained from both diagnostic and therapeutic procedures, also available on the companion website image bank. Provides a highly integrated and accessible multimedia introduction to endoscopic ultrasonography. Includes a companion website offering insightful videos. Written for gastroenterologists, students, residents, and radiologists. Atlas of Endoscopic Ultrasonography, Second Edition is an essential introduction to endoscopic ultrasonography.

A Multicentre Randomized Controlled Trial

From Usual to Special

Imaging, Staging, and Management

Diagnostic Endosonography

Gastroenterologic Endosonography

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. 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. Accompanying DVD contains over 60 video sequences and 30 still images relating to selected chapters in the book.

The last decade has seen tremendous developments in many fields of gastroenterology and hepatology. The aim of this series is to highlight some of these topics that deserve particular interest. Research in the field of viral hepatitis has been very intense and successful in recent years. The hepatitis B virus is one of the best explored at the current level of virology. Not only the nucleotide sequence of the viral DNA can be decoded, but also the amino acid compounds of its genetic products are known today. Since the techniques of molecular biology have increasingly found access to clinical laboratory use, hepatitis B virus infection can serve as an example for the importance of molecular biology in clinical hepatology. Another example for the interdependence of basic science and clinical medicine represents the research on bile acid metabolism. The investigation of bile acids has revealed new diagnostic approaches to hepatic and intestinal disorders. Commercial kits for the routine measurement of serum bile acids in clinical laboratories by enzymatic or radioimmunologic techniques are now available. The diagnostic value of these measurements in gastroenterology and hepatology shall be defined. Another aspect of bile acid research leads to new perspectives in the treatment of gallstone disease. The dissolution of cholesterol gallstones by chenodeoxycholic acid (therapy) may be quoted as the best example for the development of new pharmacotherapeutic principles derived from basic bile acid research.

"Background: Pancreatic adenocarcinoma is one of the world leading causes of cancer mortality. Its retroperitoneal location has made tissue acquisition for diagnosis difficult using standard radiological techniques; therefore, endoscopic ultrasound (EUS) has emerged as the ideal modality. Under EUS guidance the pancreas is easily accessible for biopsy from the stomach or duodenum. EUS-fine needle aspiration (FNA) has been the standard of care for over two decades in pancreatic cancer diagnosis. However, the optimization of EUS-FNA has relied heavily on the use of rapid on-site evaluation (ROSE) of cytopathology, which is unavailable outside of the most expert centers. Recently, a fork-tip fine needle biopsy needle (FNB) has been made available showing diagnostic yield of greater than 90%; however, whether this new technology alone is comparable to FNA with ROSE remains unclear. Aims and hypothesis: The primary aim of this study is to assess whether EUS-FNB alone is non-inferior to EUS-FNA with ROSE in the diagnosis of pancreatic solid tumors. The primary endpoint is diagnostic accuracy, secondary endpoints include diagnostic characteristics such as sensitivity, specificity, positive predictive value, and negative predictive value, adequacy of specimen for histological evaluation, median number of needle passes, and adverse events. We hypothesize that EUS FNB is non-inferior in diagnostic accuracy to EUS-FNA with ROSE and is associated with few needle passes, and higher percentage of samples with adequate histological evaluation. Methods: This is a multicenter randomized controlled (RCT) non-inferiority trial involving 7 Canadian tertiary centres. The randomization sequence is generated by a centralized computerized randomization scheme using a block size of 10 stratified according to the endoscopist. An intention-to-treat analysis will be carried out. The noninferiority hypothesis for the primary outcome will be assessed using the Z-test with a 95% one-sided confidence interval of the difference in the diagnostic accuracy and the margin of noninferiority. No interim analysis is planned. A cost-effectiveness analysis will also be performed via a decision tree based on the two possible sampling approaches. Probability assumptions will be extracted from the RCT and the unit of effectiveness will be cost per quality-adjusted life year (QALY). Results: A total of 192 patients have been enrolled in the study as of July 24th, 2019. These include 93, 37, 24, 16, 12, 5 and 5 patients from the McGill University Health Centre, the University of Ottawa, the University of Alberta, the Jewish General Hospital, the Moncton Hospital, the Vancouver General Hospital and St-Paul's hospital, respectively. Accrual stratified to endoscopists' experience were: 50 cases (25 FNB and 25 FNA ROSE) in endoscopists with 500-1000 career EUS performed, 29 cases (14 FNB and 15 FNA ROSE) in endoscopists with 1000-2000 career EUS performed, 72 cases (36 FNB and 36 FNA ROSE) in endoscopist with 2000-3000 career EUS performed, 41 cases (20 FNB and 21 FNA ROSE) in endoscopist with >3000 career EUS performed. Overall 95 patients have been randomized to FNB and 97 patients to FNA with ROSE. Conclusion: The introduction of the FNB needle in EUS is potentially practice changing. If our study demonstrates non-inferiority of EUS-FNB alone versus EUS-FNA with ROSE along with higher histological yield and fewer needle passes, the FNB modality may supplant EUS-FNA and obviate the need for ROSE while providing histological diagnostic capability to EUS"--

This is a comprehensive guide to the use of endoscopic ultrasonography (EUS), spiral computed tomography (SCT) and magnetic resonance imaging (MRI) in diagnosis and staging of malignancies of the digestive tract. The work features contributions from specialists in radiology, gastroenterology, surgery and oncology, and highlights the role of imaging studies in accurate staging and appropriate treatment planning.

Atlas of Endoscopic Ultrasonography

Medical Informatics Europe

Diagnostic and Therapeutic Procedures in Gastroenterology

The Validation of Endoscopic Ultrasound Criteria for Diagnosis of Chronic Pancreatitis Using Pancreatic Function Testing as Reference Standard

Endoscopic Ultrasound-guided Fine Needle Aspiration with Rapid On-site Evaluation (ROSE) of

Cytopathology Versus Fine Needle Biopsy Alone in the Diagnosis of Pancreatic Solid Lesions

This edition stresses not just the diagnostic cytological features of the various conditions encountered, but also the diagnostic pitfalls and the grey areas between so as to enable the reader to give more evidence-based reports. In recognition of their rapid expansion, there are new chapters on recent technological developments and on the cytodagnosis of childhood tumours. A special section on the importance of multidisciplinary team meetings that include the cytopathologist as a core member of the team has also been included at the end of each chapter. As active members of this team, cytopathologists can define their role in the management pathway and thus bring the patient and the microscope together as never before. The full text can be accessed online and images downloaded via Expert Consult.

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

This volume seeks to reflect the state of the art on medical informatics. It presents ideas that will guide the process of medical informatics. Topics in the book include: information systems in health care and medicine; telemedicine and telematics; security; biomedical processing, data mining and knowledge discovery; training and education; Internet/intranet; resources management; intelligent medical systems; health guidelines and protocols; electronic patient encounter, card technology, electronic data interchange; terminology; nursing informatics.

This new edition examines the latest diagnostic techniques for the interpretation of a complete range of cytological specimens. It is concise, yet covers all of the organ systems in which the procedure is used, with the number of pages devoted to each body site proportional to the clinical relevance of cytology for that site. Inside, you'll find new information on ductal lavage cytology and expanded coverage of FNA performance, keeping you current with the newest procedures. Over 700 full-color illustrations provide you with a real-life perspective of a full range of cytologic findings. Each chapter includes a discussion of indications and methods, along with a section on differential diagnosis accompanied by ancillary diagnostic techniques such as immunohistochemistry and molecular biology, where appropriate. As an Expert Consult title, it includes online access to the complete text of the book, fully searchable-as well as all of the images downloadable for your personal use-at www.expertconsult.com. "We like this book and use it frequently, thank you Dr Cibas" Reviewed by: PathLab.org Date: June 2014 Offers comprehensive coverage of everyday diagnostic work in a concise format for a practical benchside manual. Covers every type of cytology-gynecology, non-gynecology, and FNA. Presents an in-depth differential diagnosis discussion for all major entities. Examines the role of special techniques such as immunohistochemistry, flow cytometry, and molecular biology in resolving difficulties in interpretation and diagnosis. Provides an in-depth analysis of common diagnostic pitfalls to assist with daily signing out and reporting. Features coverage of patient management in discussions of pertinent clinical features. Uses capsule summaries featuring easy-to-read bulleted text that provide a quick review of key differential diagnoses, diagnostic pitfalls, cytomorphologic features, and tissue acquisition protocols for specific entities. Includes over 700 full-color illustrations that provide you with a real-life perspective of a full range of cytologic findings. Features anytime, anywhere online access to the complete text of the book, fully searchable-as well as all of the images downloadable for your personal use-at www.expertconsult.com. Covers automated cytology and HPV testing in Cervical and Vaginal Cytology chapter, providing an up-to-date reference on the techniques used in today's labs. Offers new information on ductal lavage cytology and expanded coverage of FNA performance, keeping you current with the newest procedures. Discusses the implementation of proficiency testing and changes in laboratory inspection and accreditation. Includes recommendations from the 2008 National Cancer Institute Thyroid Fine Needle Aspiration State of the Science Conference. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

Gastrointestinal Oncology

Endoscopic Ultrasonography in Gastroenterology

Longitudinal Endosonography

Diagnostic Cytopathology E-Book

Gastrointestinal Endosonography

This updated edition remains the essential text for pathologists seeking to make accurate diagnoses from the vast number of differentials. Endoscopic ultrasound has revolutionized the approach to lesions inside and outside the gastrointestinal tract. It has opened the door for gastroenterologists to explore organs outside of the GI lumen, such as the lymph nodes, lung, pancreas, and liver. Endoscopic Ultrasound covers all aspects of endoscopic ultrasound, from the basics to the interventional indications. Richly detailed chapters describe the utility of EUS in different parts of the body and are organized based on body site. Pioneers in the field summarize new studies, and the direction of EUS in practice. Endoscopic Ultrasound provides a ready reference that will help physicians and support staff that are beginning EUS, as well as trained ultrasonographers who wish to arm themselves with a comprehensive reference and explore the future of the field.

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.

In this issue of Gastrointestinal Endoscopy Clinics of North America, guest editor Dr. Mouen Khashab brings his considerable expertise to the topic of Advances in Biliary Endoscopy. Several novel diagnostic and therapeutic interventions can now be accomplished endoscopically both easily and safely in patients with liver disease, including cholangioscopy, endoscopic ultrasound, and endoscopic retrograde cholangiopancreatography. In this issue, top experts in the field have contributed state-of-the-art reviews on these interventions, providing endoscopists and surgeons with the information they need to improve patient outcomes. Contains 12 relevant, practice-oriented topics including basic and advanced biliary cannulation: how do I do it?; multidisciplinary approach to indeterminate biliary strictures; EUS-guided biliary interventions; endoscopic management of acute cholecystitis; future of cholangioscopy; and more. Provides in-depth clinical reviews on biliary endoscopy, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Endoscopy

An Illustrated Guide

Endosonography E-Book

A Case-based Approach

Diagnostic Principles and Clinical Correlates

Now thoroughly up-to-date, Clinical Gastrointestinal Endoscopy, 3rd Edition, by Drs. Vinay Chandrasekhara, Mouen Khashab, B. Joseph Elmunzer, and V. Raman Muthusamy, ensures that you stay current with the latest technology and techniques in GI endoscopy. An all-new editorial team, newly updated images, and a reorganized format make this reference an easy-to-use source of reliable information on a full range of topics, including anatomy, pathophysiology, and therapeutic management options, in addition to the latest GI procedures and technologies. Features 1,000 revised photographs, endoscopic images, and anatomical drawings. Provides a fresh perspective and expert guidance from an entirely new editorial team. Includes many more references per chapter. Presents material in a newly restructured, organ-based format for quick reference.

Revolutionary changes in medical imaging have enormously improved the ability to detect structural and functional organ alterations early. Imaging is becoming an essential tool - in association with hormonal assays - for the diagnosis and management of endocrine disorders. New contrast media and their application to ultrasounds, as well as the opportunity to merge images acquired by functional/metabolic and traditional techniques, allow characterization of key features of identified lesions. Some radiological techniques such as ultrasonography, CT, and MRI are now available in operating rooms, thus supporting a diagnostic and therapeutic approach to endocrine diseases. In this new book, distinguished experts have contributed concise and well-illustrated chapters to describe pathognomonic features of several benign and malignant diseases affecting endocrine glands. They review the main advantages and disadvantages of each diagnostic technique along with indications for selecting a method. As a special feature, online videos of dynamic diagnostic and therapeutic procedures are available. Imaging in Endocrine Disorders is a must read and valuable reference for all professionals dealing with endocrine disorders, including internists and general practitioners who must manage the essential diagnostic workup.

Endobronchial ultrasonography (EBUS) is an exciting new diagnostic tool that has added significantly to the diagnosis and staging of lung cancer and other thoracic diseases. This book is co-authored by one of the technology's pioneers and will help the reader to use EBUS to diagnose and stage lung cancer and a variety of different tumours of the chest region. Endobronchial Ultrasonography covers all of the standard techniques and the new developments involved in EBUS as it combines two common procedures, bronchoscopy and real-time ultrasonography. This allows physicians to obtain precise biopsies of lymph nodes and masses within the chest cavity. Over 250 high quality colour digital images are featured throughout the book to illustrate the different applications of EBUS, complemented by specific case studies. This book is accompanied by a companion website featuring over 30 video clips cited in the text. 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.

Duodenal Gangliocytic Paraganglioma with Lymph Node Metastasis: A Systematic Case Review of Epidemiology, Diagnosis, Surgical Management, Surveillance, Histopathology and Outcomes

Pancreatic Masses

Therapeutic Endoscopic Ultrasound

Atlas and Manual for Use in the Upper Gastrointestinal Tract

Neoplasms of the Digestive Tract

Diagnostic Endosonography A Case-based Approach Springer Science & Business Media

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.

Covering the full spectrum of endoscopic ultrasound, *Endosonography, 4th Edition*, by Drs. Robert Hawes, Paul Fockens, and Shyam Varadarajulu, is a comprehensive, one-stop resource for mastering both diagnostic and therapeutic EUS procedures. Leading global authorities guide you step by step through both introductory and advanced techniques, covering everything from interpretation and accurate diagnosis to treatment recommendations. High-quality images and an easy-to-navigate format make this updated reference a must-have for both beginning and experienced endosonographers. Features completed updated content throughout, including new sections on high-intensity focused ultrasound, through-the-needle biopsy, benign pancreatic masses, and gastro-jejunoscopy. Includes perspectives from new contributors who provide global experience and knowledge. Contains new and enhanced illustrations that correlate with high-quality endoscopic images. Covers cutting-edge techniques for performing therapeutic interventions, such as drainage of pancreatic pseudocysts and EUS-guided anti-tumor therapy, as well as fine needle aspiration (FNA) procedures.

Gangliocytic paragangliomas (GP) are a rare tumour, most commonly located in the 2nd portion of the duodenum. Their origin is poorly understood and management is uncertain. Typically exhibiting benign behaviour, they infrequently metastasize to lymph nodes (LN) and distant sites. A systematic literature search for duodenal gangliocytic paragangliomas (DPGs) with LN metastases was performed. Epidemiological, diagnostic, management, surveillance and outcome data were recorded. The histopathology and immunohistochemistry (IHC) of these tumours and possible predictors of LN metastases were revisited. A total of 33 cases of duodenal GP with LN metastases were included. The mean age of patients was 48 years (SD 15.3 years), with no predilection for sex. The 2nd portion of the duodenum was the most common location and presenting complaints included abdominal discomfort and GI bleeding/anemia most frequently. Tumour size (maximum diameter) ranged from 1 to 9 cm, with a mean of 3.1 cm, which were larger than DGPs without LN metastases (2.5 cm). Serum/urine tumour markers and hormones were inconsistent; however, there was evidence of neuroendocrine activity. Esophagogastroduodenoscopy (EGD) successfully identified the lesion in 23/23 reported cases, but had no role in tissue diagnosis. CT and endoscopic ultrasound (EUS) correctly identified a mass in 84% and 100% of reported cases and were successful in detecting LN involvement in 47% and 64% of cases. Pancreatoduodenectomy (PD) was the definitive treatment in 87% of the cases. There was 1 patient mortality during initial hospital stay. One-year mortality was 4.3%; Five-year mortality was 25%, accounting for length of follow-up reported. Possible predictors of LN metastasis included tumour extension and angiolymphatic invasion, as well as changes noted in IHC. We suggest diagnostic aids, management and surveillance for DGPs with LN metastases. Treating clinicians should be aware of the uncertain malignant potential and have an informed discussion with their patients as to surgical management and treatment adjuncts such as chemotherapy and radiation therapy, taking into consideration patient comorbidities, risks/benefits and patient preference. Surveillance has not been well established and should be focused on diagnostic imaging and close clinical follow-up.

Advances in Diagnosis and Therapy

An Introductory Manual and Atlas

Differential Diagnosis in Cytopathology Book and Online Bundle

Cumulated Index Medicus

Clinical Gastrointestinal Endoscopy E-Book

In 74 chapters, *Gastrointestinal Oncology* brings together a diverse group of specialists to provide the most authoritative, up-to-date and encyclopedic volume currently available on the subject. The first part of this text introduces a series of concepts and topics that are important to gastrointestinal malignancies in general. These topics include epidemiologic principles, prevention, screening, familial GI cancers, developmental and molecular biology, pathobiology, general therapeutic principles, emerging therapies, and palliative care. The second part of the book covers each of the specific cancers affecting the human gastrointestinal tract. These chapters are introduced by state-of-the-art discussions outlining our current understanding of the pathobiology and molecular biology relevant to each cancer. Subsequent sections describe the multidisciplinary management of specific clinical situations. By organizing the treatment-related chapters around clinical scenarios, the reader will readily find the information necessary to effectively manage the complex clinical situations encountered by patients with gastrointestinal malignancies.

YAMADA'S Textbook of Gastroenterology For over 25 years, Yamada's Textbook of Gastroenterology has been the most comprehensive gastroenterology reference book, combining an encyclopedic basic science approach to GI and liver disease with the latest clinical thinking, especially in diagnostic and therapeutic developments. It is universally respected across the globe. The original outstanding editorial team was led by Tadataka Yamada, MD, one of the world's leading figures in GI research. This seventh edition of the Textbook features a new set of Editors-in-Chief and a new team of Associate Editors. This new editorial team has made substantial changes and updates to the Textbook, with a greater focus on the human microbiome, obesity, bariatric endoscopy and aging, along with consolidation of many older chapters. Led by Professor Michael Camilleri and Professor Timothy C. Wang, a stellar group of associate editors have once again combined with authors in their respective fields to communicate their vast fund of knowledge and experience to make the 7th edition of this iconic textbook the most comprehensive ever published. Over 30 respected endosonographers from around the world describe, step by step, how to perform a full range of endoscopic ultrasonography (EUS) procedures. They also evaluate the types of equipment available, explore EUS-guided fine needle aspiration biopsy, discuss interventional/therapeutic applications, and much more. Abundant line drawings provide a precise anatomical correlation for EUS imaging findings. Step-by-step explanation of procedures Uses of EUS for imaging and staging of various gastrointestinal cancers as well as the evaluation of portal hypertension EUS-guided fine needle aspiration biopsy authored by the experts who pioneered the technique Emerging interventional/therapeutic applications

The new edition of *Diagnostic Cytopathology* provides the practicing and trainee cytopathologist with a comprehensive guide to the diagnostic applications of exfoliative and aspiration cytology. The book covers normal and abnormal cytological findings

encountered in all body sites where cytological applications are used. Appropriate histopathological, immunohistochemical and molecular correlations, together with a consideration of the possible differential diagnoses, accompany the cytological findings. The reader can see a full range of normal and abnormal findings with almost 2,000 full-colour images. The book is heavily referenced to ensure that it will serve as a practical resource for daily reference in the laboratory. A uniformity of basic chapter structure will help readers to quickly find the diagnostic answers they seek. This edition stresses not just the diagnostic cytological features of the various conditions encountered, but also the diagnostic pitfalls and the grey areas between so as to enable the reader to give more evidence-based reports. In recognition of their rapid expansion, there are new chapters on recent technological developments and on the cytodiagnosis of childhood tumours. A special section on the importance of multidisciplinary team meetings that include the cytopathologist as a core member of the team has also been included at the end of each chapter. As active members of this team, cytopathologists can define their role in the management pathway and thus bring the patient and the microscope together as never before. The full text can be accessed online and images downloaded via Expert Consult.

Diagnostic Cytopathology
EUS Pathology with Digital Anatomy Correlation
A Case-Based Approach

Surgery of the Liver and Biliary Tract

This atlas is designed as an easy-to-use reference guide that identifies and illustrates the key patterns of diffuse lung diseases observed on high-resolution computed tomography (HRCT) and then documents in more detail the characteristics and appearances of the individual diseases, grouped on the basis of their prevalent pattern. A further feature of the book is its interdisciplinary nature: contributions from experts in various specialties are tightly interwoven throughout and many pathologic correlations are included. Less experienced readers will find that this atlas, with its wealth of figures and helpful color coding, steers them towards correct interpretation when confronted by the multiplicity and complexity of these diseases; those who are already experts, on the other hand, will benefit from the detailed coverage of individual diseases, which will deepen their understanding. At the end of the book, a graphically appealing and practice-oriented illustrated glossary with tips and tricks offers a further highly effective educational tool. Given the clinical spectrum of diseases covered, this atlas will prove invaluable for a wide range of healthcare workers, especially radiologists, pulmonologists, and pathologists.

Rectal cancer is one of the most prevalent cancers world-wide. It is also a paradigm for multimodal management, as the combination of surgery, chemotherapy and radiotherapy is often necessary to achieve the optimal outcome. Recently, international experts met in Heidelberg, Germany to discuss the latest developments in the management of rectal cancer, including the anatomic and pathologic basis, staging tools, surgical concepts including fast-track surgery and laparoscopic resection, functional outcome after surgery and the role of radio- and chemotherapy. This monograph summarizes this meeting and gives an extensive overview of the current concepts in management of rectal cancer.

Year on year, there continue to be dramatic changes in endoscopic ultrasonography (EUS) since it was first introduced 30 years ago. Advances in technology have meant that as well as being used in the diagnosis of gastrointestinal disorders, EUS is now one of the primary diagnostic and therapeutic modalities used in GI endoscopy. Back and improved for a new edition, Endoscopic Ultrasonography is the market-leading book covering the topic. Written by leading experts in the field, it provides a technical how-to approach to learning this advanced endoscopic procedure. The highly-acclaimed authors provide step-by-step guidance to the fundamentals of EUS, giving clear instructions on the instruments involved, the correct sedation procedures to follow and how EUS should be performed safely and effectively. Every chapter discusses a specific aspect of EUS as it relates to a particular gastrointestinal disorder or organ system. Brand new to this edition are: 1) Seven new chapters on the hottest topics in EUS: Learning Anatomy for EUS; Elastography; Lung Cancer; Autoimmune Pancreatitis; EUS for Liver Disease; Biliary Access; Pancreatic Fluid Collection Drainage 2) A complete update of all previous chapters to reflect the most current clinical recommendations 3) A host of new color images in every chapter Endoscopic Ultrasonography 3rd edition is the ideal tool to consult to improve EUS skills and improve patient management, and an essential purchase for all gastroenterologists and endoscopists.

Imaging in Endocrine Disorders

Endoscopic Ultrasonography

ERCP and EUS

Atlas of Diffuse Lung Diseases

Endoscopic Ultrasound