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Fine Needle Aspiration Cytology: Interpretation and Diagnostic Difficulties—Pranab Dey 2015-03-20 Fine-needle aspiration cytology (FNAC) is a diagnostic procedure used to investigate superficial lumps or masses. This procedure is widely used in the diagnosis of cancer and inflammatory conditions. Fine Needle Aspiration Cytology: Interpretation and Diagnostic Difficulties is organised into 21 chapters covering the full spectrum of fine needle aspiration cytology, organ by organ, from head, neck and orbital to skin, bone and the central nervous system. This book provides comprehensive, current information on the principles and techniques of fine needle aspiration cytology, enhanced by 829 full colour images and illustrations, tables and message boxes. Illustrations of neoplastic lesions are accompanied by discussion on the use of fine needle aspiration technique in the investigation of nodules and masses suspected to be of neoplastic origin. This second edition has 8 new chapters, providing updated information on the use of FNAC for pancreas, gall bladder, soft tissue lesions, and skin and bone with a large number of new microphotographs, making Fine Needle Aspiration Cytology: Interpretation and Diagnostic Difficulties one of the most current guides to this technique. Key Features Second edition features 8 new chapters 829 full colour images and illustrations First edition published 2002

Orell, Orell and Sterrett's Fine Needle Aspiration Cytology E-Book—Svanthe R. Orell 2011-08-09 Orell & Sterrett's Fine Needle Aspiration Cytology 5e provides you with a logical and systematic approach to the acquisition, interpretation and diagnosis of FNA biopsy samples. It is an ideal resource for all those requiring an authoritative and systematic review of the cytological findings in those malignant and benign lesions likely to be the target of FNA. The book is lavishly illustrated with high quality colour images that demonstrate the cytological features as well as their relevant immunohistochemical and molecular findings. Organized into anatomical regions, each chapter is consistently organized into two parts: the first deals with clinical and technical aspects followed by a systematic presentation of cytological findings. This is your perfect practical bench resource for daily reference in the laboratory. Provides practical tips and advice on how to avoid pitfalls and ensure accurate diagnoses. Over 1,200 colour illustrations capture each entity's cellular, morphological and immunohistochemical appearance. New editions of this bestseller have been up-dated and revised and a brand new one on cytological findings in infectious diseases added. Both MGG and Pap smears illustrated in parallel as well as the corresponding histology to help provide side-by-side analysis. Access the full text online and download images via Expert Consult. Brand new chapter on cytological findings in infectious diseases. Inclusion of immuno-profiles and other relevant ancillary tests. New illustrations. New contributing authors. Available online via Expert Consult.

The International Academy of Cytology Yokohama System for Reporting Breast Fine Needle Aspiration Biopsy Cytopathology—Andrew S. Field 2020-02-22 This text describes a system of reporting breast fine needle aspiration biopsy that uses five clearly defined categories, each described by a specific term and each with a specific risk of malignancy. The five categories are insufficient/inadequate, benign, atypical, suspicious of malignancy and malignant. Each category has a risk of malignancy and is linked to management recommendations, which include several options because it is recognized that diagnostic infrastructure, such as the availability of core needle biopsy and ultrasound guidance, vary between developed and low and middle income countries. This text includes key diagnostic cytological criteria for each of the many lesions and tumors found in the breast. The cytopathology of specific lesions is illustrated with high quality photomicrographs with clear figure descriptions. Chapters also discuss current and potential future ancillary tests, liquid based cytology, nipple cytology and management. An additional chapter provides an overview of an approach to the diagnosis of direct smears of breast fine needle aspiration biopsies. The International Academy of Cytology Yokohama System for Reporting Breast Fine Needle Aspiration Biopsy Cytopathology provides a clear logical approach to the diagnosis and categorization of breast lesions by FNAB cytology, and aims to facilitate communication with breast clinicians, further research into breast cytopathology and related molecular pathology, and improve patient care.

Fine Needle Aspiration Cytology—Gabriela Kocjan 2006-02-23 Histopathologists all over the world have to report cytopathology during the course of their work and it is then that they find themselves facing diagnostic dilemmas. This practical, well-illustrated book, explicitly dedicated to this readership will serve their needs and meets their requirements in daily practice.

The Invasive Cytopathologist—Ricardo H. Barrales 2014-06-24 The Invasive Cytopathologist: Ultrasound Guided Fine-Needle Aspiration of Superficial Masses provides a comprehensive review of the cytology of...
The Bethesda System for Reporting Thyroid Cytopathology: Syed Z. Ali 2010-03-20 This atlas is the offspring of the ‘The National Cancer Institute (NCI) Thyroid Fine Needle Aspiration (FNA) State of the Science Conference’ organized in 2000 by Dr. Ali and co-organized by Susan J. Mandel and Edmund S. Cibas. The discussions and conclusions regarding terminology and morphologic criteria 1, 2 from the meeting were summarized in publications by Baloch et al. and form the framework for this atlas. The atlas is organized by the general categories of "Nondiagnostic," "Benign," "Follicular Neoplasm/Suspicious for a Follicular Neoplasm," "Suspicious for Malignancy," and "Malignant." For each category, it includes the definition of the morphologic criteria of these categories as set forth by Baloch et al. The majority of the conference participants also agreed on a category of “undetermined significance,” which is incorporated in this atlas (Chap. 4). It is critical that the cytopathologist communicate thyroid FNA interpretations to the referring physician in terms that are succinct, unambiguous, and helpful clinically. We recognize that the terminology used here is a flexible framework that can be modified by individual laboratories to meet the needs of their providers and the patients they serve.

Practical Cytopathology: A Diagnostic Approach E-Book: Andrew S Field 2016-05-18 Employing a systematic pattern recognition approach, Practical Cytopathology: A Diagnostic Approach equips you to achieve a more accurate diagnosis of aspirated and exfoliative tissue samples from all available body organs and sites. Part of the popular Pattern Recognition Series, this volume is designed to successfully guide you from identification of the dominant cytopathologic pattern, through the appropriate work-up, around the pitfalls, to the best diagnosis. A practical, pattern-based organization helps you to efficiently and confidently formulate accurate diagnoses at the microscope. A unique Visual Index at the beginning of the book allows you to compare specimens to commonly seen patterns, categorize them accordingly, and turn directly to in-depth diagnostic guidance. Lavishly illustrated with over 3,200 high-quality, full-color images of diverse conditions and sites, this book is an indispensable reference for all general pathologists and cytopathologists, especially those practicing thyroid cytopathology.

Handbook of Practical Fine Needle Aspiration and Small Tissue Biopsies: Fan Lin 2017-09-01 This handbook has been designed to provide a comprehensive and state-of-the-art review and update of the major issues and challenges specific to fine needle aspiration (FNA) and small tissue core biopsies, which have emerged as primary modalities in establishing a definitive cancer diagnosis in the field of anatomic pathology, both in the U.S. and worldwide. Making an accurate diagnosis from a limited sample can be quite challenging yet crucial to patient care. The handbook, using the most current and evidence-based resources, will 1) emphasize a triple test (clinical, radiologic, and cytopathologic/histologic correlation); 2) stress the importance of cellblock preparation/small tissue core biopsy in modern cytopathology; 3) include over 100 diagnostic immunostaining panels/tables to address the utility and importance of ancillary studies; 4) incorporate relevant FISH and molecular tests into each chapter; and 3) summarize the pearls and pitfalls of FNA/small tissue biopsies at the beginning of each chapter. The book also includes highly practical presentations of typical case scenarios seen in an anatomic pathology laboratory in the form of case presentaions detailed with step-by-step expert analysis. Sample cases include common but challenging situations, such as work-up of a tumor of unknown origin, evaluation of well-differentiated malignant tumors vs. benign/reactive lesions, identification of newly described tumor entities, and implementation of best practice in immunohistochemistry and molecular testing in a difficult case. Handbook of Practical Fine Needle Aspiration and Small Tissue Biopsies is written by recognized experts in their fields and provides a unique and valuable resource for the field of cytopathology, both for those currently in training and for those already in clinical practice at various skill levels. It represents a new, comprehensive yet concise resource on these timely and critical topics.
Metastatic Neoplasms in Fine-Needle Aspiration Cytology-Yun Gong 2015-11-18 This book focuses primarily on the most efficient way to make an accurate FNA diagnosis of metastatic tumors within the broad confines of cytopathology. The text provides a step-by-step "thought process" during the diagnostic approach of the metastatic tumors using detailed algorithms. Starting from the onsite immediate FNA sample assessment, the book provides strategy of specimen triage to facilitate further cytology evaluation based on the metastatic patterns and morphological patterns of the tumors. In the subsequent chapter, the book provides tips and traps of selecting markers and interpretation of immunoperoxidase, flow cytometric, cytogenetic and molecular studies. The book includes the strategy of dealing with limited FNA material and wisely using existing samples (cell block, direct smear, cytospin) for different ancillary studies including molecular tests that have been used at MD Anderson. The author highlights challenging issues to show the importance of using a multidisciplinary (clinical, radiologic, cytologic and ancillary studies) approach. Extensive illustrations are provided. Metastatic Neoplasms in Fine-Needle Aspiration Cytology will provide pathology residents, fellows, practicing cytopathologists and cytotechnologists with a practical way to approach metastatic malignancies in daily cytology practice as well as provide a vision of the future of cytopathology.

Fine Needle Aspiration Cytology of the Breast-Gary Tse 2013-03-21 This book provides a detailed update on all aspects of fine-needle aspiration cytology of breast lesions. It will serve readers as an up-to-date reference and atlas on both new entities in breast pathology, including borderline lesions such as flat epithelial atypia, and the classic benign and malignant lesions. Throughout, emphasis is placed on the characteristic diagnostic features as well as the common pitfalls faced by cytologists. As cytologic features can be highly variable, corresponding cytology and histology images are displayed together, enabling readers to gain a good understanding of the morphologic features of various lesions. Core-needle biopsy and fine-needle aspiration cytology are compared in depth, with attention to their relative strengths and weaknesses and indications. In addition, the impact of molecular classification of breast cancers on diagnostic practice is explored, and the use of molecular techniques in diagnostic cytology is discussed.

Fine Needle Aspiration Cytology of the Breast: an Analysis Of1,094 Aspirates-Sharifah N. A. 1993

Cytopathology of the Head and Neck-Gabrijela Kocjan 2017-04-24 Working practices for Head and Neck (HN) diagnostic and clinical teams have changed dramatically over the past 15 years with highlighted importance on specialist Multidisciplinary Teams (MDT) including radiologists and cytopathologists. To achieve high levels of diagnostic accuracy in this modern working environment, special training and commitment to cytopathology are required in addition to histopathology. Cytopathology of the Head and Neck: Ultrasound guided FNAC supports the learning of new skills expected of practicing pathologists by providing a comprehensive approach to cytopathology, including performing FNAC and on site interpretation. New to this edition is coverage of ultrasound (US) guidance which is essential even for an essential adjunct to either Fine Needle Aspiration Cytology (FNAC) or needle core biopsy, and is expected to increase. US combined with US guided FNAC is now recommended as the first choice for HN lesion sampling by the European Society of Cytopathology (ESC), with emphasis on the use of ultrasound guidance. The current edition of this atlas includes a detailed description of ultrasound (US) guidance and the use of US guidance is illustrated throughout. With contributions from experts in the field internationally and abundant colour images Atlas of Fine Needle Aspiration Cytology provides a comprehensive and up-to-date guide to FNAC for pathologists, cytopathologists, radiologists, oncologists, surgeons and others involved in the diagnosis and treatment of patients with suspicious masses. New to this guide is the inclusion of important ancillary tests of the lesions. Additionally, it includes a review chapter on interesting cases of fine needle aspiration cytology (FNAC) along with multiple choice questions. This book provides necessary information to the readers for the diagnosis and differential diagnosis of the body lesions with the help of FNAC.

Atlas of Fine Needle Aspiration Cytology-Henryk A. Domanski 2013-10-13 This book covers all the diagnostic areas where FNAC is used today. This includes palpable lesions and lesions sampled using various radiological methods, and correlations with ancillary examinations detailed on an entity-by-entity basis. As well as being a complete atlas of the facts and findings important to FNAC, this work is a guide to diagnostic methods that optimize health care. The interaction of the cytopathologist with other specialists (radiologists, oncologists and surgeons) involved in the diagnosis and treatment of patients with suspicious mass lesions is emphasized and illustrated throughout. With contributions from experts in the field internationally and abundant colour images Atlas of Fine Needle Aspiration Cytology provides a comprehensive and up-to-date guide to FNAC for pathologists, cytopathologists, radiologists, oncologists, surgeons and others involved in the diagnosis and treatment of patients with suspicious masses.

Breast Cytopathology-M. Pinamonti 2017-11-27 Breast cytopathology is a field characterized by practicality and diagnostic efficacy. This book focuses mainly on morphology, with helpful hints for recognizing benign lesions and the main features of malignancy. It reviews specific features of various lesions and the consequences of the diagnosis for the management of the patient. Each chapter contains high-quality cytology images accompanying the descriptions, including comparison images to distinguish the most important morphological features and to help in the differential diagnosis. Fine needle aspiration cytology (FNAC) sampling and preparation technique, fixation, staining, and principles of its interpretation are covered. Immunocytochemistry and ancillary techniques are outlined, as well as the main clinical and radiological features of breast lesions, and the cytological diagnostics of axillary lymph nodes. This publication will be of great use to medical practitioners in their first approach to breast cytopathology, as well as to pathologists and cytotechnicians with little to moderate experience in the field.

Fine-Needle Biopsy of Superficial and Deep Masses-Giorgio Gherardi 2010-08-14 Needle biopsy is a simple, reliable, inexpensive, well-tolerated, and minimally invasive procedure for the diagnosis of tumors, both in superficial and in deep sites. Today, following the shift to a more conservative approach to tumor treatment, and in this era of "tailored" or "targeted" oncological therapies, the use of needle biopsy in the diagnosis of neoplasia, at all phases of the disease, is expected to increase dramatically. The efficacy of this technique is, however, strongly influenced by the experience of the physician performing the technique and by the pathologist's ability to interpret the results derived from the minimal cellular harvest. The aim of this volume is to provide all of the information and insight needed to obtain a correct diagnosis based on needle biopsy evaluation. In a problem-oriented approach, the author describes the optimal interventional maneuver and biopsy-sample triage for all types of lesions. The reader is then guided through the interpretation of all possible cytological findings based on a pattern-analysis methodology. The integration of this information with clinical and preanalytical data is the best approach to obtain a correct diagnosis.

Color Atlas of Fine Needle Aspiration Cytology-Pranab Dey 2020-10-28 This color atlas covers etiology, incidence, clinical features, diagnostic features, immunocytochemistry, molecular biology and important differential diagnostic areas where FNAC is used today. This includes palpable lesions and lesions sampled using various radiological methods, and correlations with ancillary examinations detailed on an entity-by-entity basis. As well as being a complete atlas of the facts and findings important to FNAC, this atlas is a guide to diagnostic methods that optimize health care. The interaction of the cytopathologist with other specialists (radiologists, oncologists and surgeons) involved in the diagnosis and treatment of patients with suspicious mass lesions is emphasized and illustrated throughout. With contributions from experts in the field internationally and abundant colour images Atlas of Fine Needle Aspiration Cytology provides a comprehensive and up-to-date guide to FNAC for pathologists, cytopathologists, radiologists, oncologists, surgeons and others involved in the diagnosis and treatment of patients with suspicious masses.

Modern Techniques in Cytopathology-M.M. Bui 2020-01-13 "The purpose of this book is to describe, illustrate, and review many of the most recent developments regarding modern techniques employed in cytopathology. It is intended for all cytopathologists, including cytopathology residents, cytopathologists, cytotechnologists, cytology lab assistants, trainees, research scientists, and anyone who is interested in the field of cytopathology".

Lymph Node FNC-P. Zeppa 2017-11-14 This well-illustrated monograph presents a comprehensive description of Fine-Needle Cytology (FNC), including technical procedures and ancillary techniques, applied to the lymph node (LN). Possibilities and limitations are highlighted to produce accurate cytological diagnosis of LN and cytological criteria, and to be exploited for extra-nodal lymphoproliferative processes. The normal LN structure and corresponding cytological patterns are described. Cytological, phenotypical, and molecular features are reviewed along with diagnostic criteria for various medical conditions such as lymphadenitis and lymphadenopathies.
Clinical Ophthalmic Oncology

Hodgkin and Non-Hodgkin lymphoma, pediatric lymphadenopathies, immunodeficiency-associated lymphoproliferative disorders, extra-nodal lymphoproliferative processes, metastases, and other non-lymphomatosous processes. LN-FNC requires knowledge of hemathopathology and imaging techniques, as well as dexterity with FNC performing, smearing, and material management. Rapid on-site evaluation (ROSE), the choice of ancillary techniques and molecular procedures case by case are required to produce accurate and comprehensive diagnosis. This book will help cytopathologists to conduct these tasks in various organs and clinical contexts. LN-FNC requires knowledge of hemathopathology and imaging techniques, as well as dexterity with FNC performing, smearing, and material management. Rapid on-site evaluation (ROSE), the choice of ancillary techniques and molecular procedures case by case are required to produce accurate and comprehensive diagnosis. This book will help cytopathologists to conduct these tasks in various organs and clinical contexts.

Endosonography E-Book

Robert H. Hawes 2018-09-12 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.

Cytology of the Mediastinum and Gut Via Endoscopic Ultrasound-Guided Aspiration

Ricardo H. Bardales 2015-02-04 This text provides a comprehensive review of the cytoLOGY of disease processes of the mediastinum and mediastinal lymph nodes with emphasis in lung and gut nodal cancer staging in specimens obtained by EUS-FNA. This book also reviews the cytoLOGY of intramural masses of the gastrointestinal tract using a pattern-based diagnostic approach. The cytoLOGY of lesions obtained by EUS-FNA is peculiar by the common presence in the obtained sample of normal luminal gastrointestinal contents, and the cytopathologist should be familiar with this pattern not often seen when the sampling is done by percutaneous approach. Technical considerations pertaining to the operator performing the procedure as well as to the cytopathologist, with emphasis on rapid on-site interpretation are also covered. Most lesions described in the book also have endoscopic US image correlation. CytoLOGY of the Mediastinum and Gut is a useful and practical guide for cytopathological interpretation and differential diagnosis of lesions obtained by EUS-FNA of mediastinum and gut. All chapters are written by experts with many years of experience in the field and contain the cytoLOGY, immuno-profile, molecular profile, and ultrasound features of the masses described.

Differential Diagnosis in Cytopathology Book and Online Bundle

Paolo Gattuso 2014-12-04 This updated edition remains the essential text for pathologists seeking to make accurate diagnoses from the vast number of differentials.

Clinical Ophthalmic Oncology

Bertil Damato 2014-05-20 Written by internationally renowned experts, Clinical Ophthalmic Oncology provides practical guidance and advice on the diagnosis and management of the complete range of ocular cancers. The book supplies all of the state-of-the-art knowledge required in order to identify these cancers early and to treat them as effectively as possible. Using the information provided, readers will be able to provide effective patient care using the latest knowledge on all aspects of ophthalmic oncology, to verify diagnostic conclusions based on comparisons with numerous full-color clinical photographs, and to locate required information in the clinically focused and user-friendly format. This volume, devoted solely to uveal tumors, explains the various diagnostic and biopsy techniques that may be used and describes the therapeutic options of potential value for different types of tumor.

Cytology E-Book

Edmund S. Gabor 2009-01-20 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 cytoLOGYic 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. 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. 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 Atlas of the Science Conference.

The Milan System for Reporting Salivary Gland Cytopathology

William C. Faquin 2018-01-31 This volume describes a uniform international approach for classifying and reporting salivary gland FNA samples. The new reporting system is evidence-based using data from the literature as well as upon the experience of a multi-disciplinary group of leading experts involved in the field of salivary gland cytopathology. Each diagnostic category of this novel salivary gland reporting system includes detailed descriptions of the cytopathic criteria as well as a comprehensive set of photomicrographs demonstrating all of the key microscopic features along with annotated descriptions for each image. Designed as a practical book with easy readability, The Milan System for Reporting Salivary Gland Cytopathology combines the high-quality images of an atlas with a logical approach described in concise text-form and in line-drawing algorithms. It presents for the first time, an international cytoLOGYic reporting system for salivary gland lesions designed and endorsed by a panel of experts in the field.

Fine Needle Aspiration Biopsy of the Liver

Martha Pitman 1994 This atlas of fine needle aspiration biopsies from benign and malignant liver lesions, both primary and metastatic processes, is a comprehensive guide to the indications for, and techniques and interpretations of, needle aspirations of the liver. Opening sections discuss pre-procedure evaluations as well as actual needle biopsy techniques, with the remainder of text devoted to 200 colour micrographs that provide illustrations of lesions that may currently be found by cytopathologists.

Case-Based Approach in Fine Needle Aspiration Cytology

Pranab Dey 2016-03-12 Case-Based Approach in Fine Needle Aspiration Cytology is a comprehensive guide to this diagnostic procedure for lumps and masses. 256 cases of varying difficulty are covered in a question and answer format; essential clinical history and smear photographs are provided with every case. This book is enhanced by over 250 full colour images, making it an ideal reference for practising cytopathologists and an invaluable learning tool for pathology residents.


Michael S. Sabel 2009-04-23 This new volume in the Surgical Foundations series delivers need-to-know, current information in breast surgery in an exceptionally economical and user-friendly format. Coverage encompasses everything from anatomy and physiology, evaluation of breast symptoms...to discussions of breast cancer risk and management of breast cancer, equipping you to face any challenge with confidence. Whether reviewing key material in
preparation for a procedure or studying for the boards, this is an invaluable resource in training and practice. Presents coverage that encompasses anatomy and physiology, evaluation of breast symptoms, breast cancer risk, and management of breast cancer to equip you to face any challenge with confidence. Addresses hot topics including gynecomasia, neoadjuvant therapy, management of ductal carcinoma in situ and Paget's disease, risk assessment and genetic testing, breast MRI, partial breast irradiation, microarray analysis, and targeted therapies...providing you with a current perspective on this fast changing field. Begins each chapter with a bulleted list of key points, and presents crucial facts in boxes, to help facilitate review. Features abundant illustrations, photographs, and tables that clarify complex concepts. Follows a concise, logical, and consistent organization that makes the material easy to review.

Breast Pathology E-Book- Frances P. O'Malley 2011-08-01 Breast Pathology, a title in the Foundations in Diagnostic Pathology series, provides all of the most essential information on the pathological entities encountered in practice in an easy-to-use format. Drs. Frances P. O'Malley, Sarah E. Pinder, and Anna Marie Mulligan provide unparalleled expert guidance for the study and diagnosis of a broad spectrum of breast lesions as well as the broad range of appearances of normal breast tissue. The consistent, practical format with a wealth of illustrations, at-a-glance boxes, and tables, make this title ideal for quick reference for both novices and experienced breast pathologists. Reference key information quickly and easily with a consistent, user-friendly format and at-a-glance boxes and tables throughout the text. Examine all aspects of a pathologic entity, including clinical features, pathologic features (gross and microscopic); ancillary studies, differential diagnosis, and prognostic and therapeutic considerations. Catch all the nuances of how pathological lesions present through over 400 full-color illustrations. Practice with confidence and overcome your toughest challenges with advice from the top minds in breast pathology. Apply the latest molecular diagnostic techniques to recognize newly identified classifications in breast disease. Get more of the information you need from new and expanded chapters covering a broad range of diseases and topics including fine needle aspiration cytology and the physical handling of core biopsy specimens; handling and evaluation of sentinel lymph nodes; diseases of the male breast; and state-of-the-art coverage of molecular advances in malignant breast disease. Prepare for the future of breast pathology with a new chapter dedicated to gene profiling and stem cell diagnostic techniques.


FNA Cytology of Ophthalmic Tumors-C.V. Biscotti 2011-10-19 This comprehensive and well-illustrated volume in the outstanding Monographs in Clinical Cytology series examines the spectrum of ophthalmic cytology including uveal, retinal, and orbital tumors. It includes historical perspectives, current indications, surgical techniques, and practical aspects of the cytological preparation of ophthalmic fine needle aspiration samples. The importance of a close collaboration between cytologists and ophthalmologists in the field of ophthalmic tumors is emphasized. The monograph presents high-quality illustrations accompanied by very informative legends that reveal the details of the clinical-cytological correlation evident in many of the cases managed by the authors. It presents a complete spectrum of ophthalmic tumors covering uveal melanoma, uveal metastasis, intraocular lymphoma, and orbital tumors. Recent innovations in the instrumentation and use of digital cytology in fine needle aspiration biopsy are also reviewed. This publication is an excellent reference text on rare tumors. It is highly recommended reading for ophthalmic pathologists, cytologists, and oncologists.

Transabdominal Fine-Needle Aspiration Biopsy-Graeme Chia-yu Hsu Yang 2007 Over 1,350 illustrations in 350 innovative composite figures designed to teach general pathologists the cytologic approach and cytologists the histologic basis for cytologic criteria? CD-ROM containing high resolution composite images that can be enlarged to the size of computer screen and detailed legends with clinical presentation, cytologic clues with different stains from low to high magnification as well as the mistakes made and lessons learned? Pathologic entities are arranged in the current classifications used by surgical pathologists so that they can translate their experience in histopathology to cytopathology? New classifications of tumors based on advances in cytogenetic and molecular evidence and all new illustrated cases from G C H Yang's collection? A new chapter on gynecologic tumors has been added. The chapter on malignant lymphoma has been completely rewritten to incorporate current WHO classifications. New tumors discovered in the past 16 years and new classifications of adrenal, kidney, liver and pancreatic tumors have been added The objective of this book is to share authors' combined 30 years' experience in the fine-needle aspiration biopsy diagnosis of organs beneath the diaphragm with general pathologists. Starting from the basics, this book progresses to in-depth cytomorphologic analysis with histologic and immunohistochemical confirmation of specific entities. Cytohistological correlation is emphasized by using composite images from either resected tumor or the cell block whenever possible. In addition, ultrastructural basis of cytological features is emphasized. Both cytology and electron microscopy classify tumors by meticulously analyzing the cytoplasmic features and cell junctions of scanty sample. Every histopathology entity should have a counterpart in cytopathology, since both derive from the same entity undergoing the same pathological process. The difference is in the artifacts; thus an attempt was made to explain the artifacts of aspiration cytology so that histopathologists may understand the cytologic approach and learn to interpret aspiration cytology with confidence.

Orell and Sterrett's Fine Needle Aspiration Cytology-Svanter R. Orell 2011 Orell & Sterrett's Fine Needle Aspiration Cytology 5e provides you with a logical and systematic approach to the acquisition, interpretation and diagnosis of FNA biopsy samples. It is an ideal resource for all those requiring an authoritative and systematic review of the cytological findings in those malignant and benign lesions likely to be the target of FNA. The book is lavishly illustrated with high quality colour images that demonstrate the cytological features as well as their relevant immunohistochemical and molecular findings. Organized into anatomical regions, each chapter is consistently organized into two parts: the first deals with clinical and technical aspects followed by a systematic presentation of cytological findings. This is your perfect practical bench resource for daily reference in the laboratory. Provides practical tips and advice on how to avoid pitfalls and ensure accurate diagnoses. Over 1,200 colour illustrations capture each entity's cellular, morphological and immunohistochemical appearance. Chapters have been up-dated and revised and a brand new one on cytological findings in infectious diseases added. Both MGG and Pap smears illustrated in parallel as well as the corresponding histology to help provide side-by-side analysis. Access the full text online and download images via Expert Consult. Brand new chapter on cytological findings in infectious diseases. Inclusion of immuno-profiles and other relevant ancillary tests. New illustrations. New contributing authors. Available online via Expert Consult.

Practical Cytopathology: a Diagnostic Approach-Andrew Field 2015-12-13

Transabdominal Fine-Needle Aspiration Biopsy- Fine Needle Aspiration Cytology-Svanter R. Orell 2005 This text for pathologists, cytologists, and residents provides a guide to the acquisition, interpretation, and diagnosis of FNA biopsy specimens. The fourth edition expands coverage of ancillary diagnostic techniques, adds information on rare entities, pairs images of MGG stains with images of Pap stains for more complete diagnostic guidance, and increases the number (but reduces the size) of color microphotographs of smears. The editors are two pathologists and a cytologist based in Australia. The book is oversize: 8.75x11.25". Annotation : 2005 Book News, Inc., Portland, OR (booknews.com).