The Papanicolaou Society Of Cytopathology System For Reporting Pancreaticobiliary Cytology Definitions Criteria And Explanatory Notes

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This book provides cytopathologists a succinct but comprehensive reference covering common diagnostic dilemmas caused by normal, iatrogenic, inflammatory and reactive/reparative changes in cytology samples. This book will provide immediate access to these confounders, clearly illustrating key features and detailing the pitfalls these cells engender in all cytologically accessible body sites. The text is organized in chapters corresponding to cytologically accessible body sites/organ systems. Each chapter's discussions are further organized by general categories of confounders (i.e., normal contaminants, inflammatory, infectious and iatrogenic), with special attention to site specific confounders. Pitfalls in Diagnostic Cytopathology With Key Differentiating Cytologic Features will be of great value to practicing pathologists, pathology residents, cytotecnology technologists and students.

This book is the culmination of an international effort to bring consistency and diagnostic efficiency to effusion cytology for the sake of patient care. The authors recognize special challenges in serous fluid cytopathology, such as reporting the presence of Mullerian epithelium in peritoneal fluids. What is an appropriate serous fluid volume to ensure adequacy? How should mesothelial proliferations be reported and is it appropriate to make an interpretation of malignant mesothelioma? How specific should a report be regarding the origin and subtyping of tumors found in serous fluids? What are the appropriate quality monitors for this specimen type? Special chapters on considerations for peritoneal washings, cytopreparatory techniques, mesothelioma and quality management are included to address these issues. The text contains literature reviews that elucidate existing evidence in support of current practices and recommendations. Expert opinions on where evidence was lacking, the most common practices were adopted by consensus, and where there was no commonality, are employed. Written by experts in the field, The International System for Serous Fluid Cytodiagnosis serves as a collaborative effort between the International Academy of Cytology and the American Society for Cytopathology and calls upon participation of the international cytopathology and oncology communities to contribute to the development of a truly international system for reporting serous fluid cytology

This book focuses on all aspects of pancreatic pathology, from key features of benign and malignant lesions to diagnostic pearls for differential diagnosis of encountered entities in pancreatobiliary fine needle aspirations and small biopsies. Chapters include a brief introduction and a practical approach to diagnose benign and malignant lesions. The key cytomorphic features and main differential diagnoses are also summarized in concise tables. Richly colored images complement the text and represent key findings pertaining to the text discussion. An important and current chapter on molecular testing proves to be very useful for the readership for their daily practice in this era of targeted therapy. Written by experts in the fields, all authors contribute their collective experience of preeminent cytopathology service spanning a long time span. Pancreas and Biliary Tract Cytohistology serves as a practical resource for cytotecnologists, cytopathologists and pathologists who are practicing cytopathology and rendering diagnoses on small biopsy samples on pancreatic lesions.

Each volume in this richly illustrated series, sponsored by the Papanicolaou Society of Cytopathology, provides an organ-based approach to the cytologic and histologic diagnosis of small tissue samples including fine-needle aspiration biopsy, cell block samples and core, pinch and forceps biopsies. This volume provides a practical approach to evaluating and assessing pancreatic aspiration, core biopsy and brushing samples. Benign, pre-malignant and malignant entities are presented in a well-organized and standardized format supported with high-resolution color photomicrographs, tables, tabulated specific morphologic criteria and appropriate ancillary testing algorithms. Example vignettes allow the reader to assimilate the diagnostic principles in a case-based format. This unique series strengthens the bridge between surgical pathology and cytopathology, providing the pathologist with the ability to diagnose small tissue samples with confidence. The CD-ROM packaged with the printed book contains all the images in a downloadable format, making this a valuable resource for practicing and trainee pathologists.

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 cytdiagnosis 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.

Each volume in this richly illustrated series, sponsored by the Papanicolaou Society of Cytopathology, provides an organ-based approach to the cytological and histological diagnosis of small tissue samples. Benign, reactive and malignant entities are presented in a well-organized and standardized format, with high-resolution color photomicrographs, tables, tabulated specific morphologic criteria and ancillary testing algorithms. Example vignettes allow the reader to assimilate the diagnostic principles in a case-based format. This volume provides a comprehensive review of effusion pathology, with extensive color illustrations. Throughout the text correlations are correlated with cell blocks and surgical format pathology follow-up. Dedicated chapters provide an update of the biology, immunocytochemistry and molecular diagnostic features utilized in the multimodal approach to serosal pathology, and the utility of core biopsies as a complement to the diagnostic approach. With a CD-ROM offering all images in a downloadable format, this is an important resource for all practising and trainee pathologists.
Written by a leading expert in thyroid biopsy interpretation, this text/atlas is the most comprehensive reference on thyroid pathology. It contains over 1,700 full-color photomicrographs depicting the full range of findings seen on fine needle aspiration biopsies. The illustrations show the wide spectrum of cytologic features for each disease entity, including unusual as well as typical patterns. Particular attention is given to diagnostic pitfalls, overlapping patterns, and differential diagnosis. The book also includes chapters on basic concepts of cytopathology, fine-needle aspiration biopsy techniques, cytopreparation, ancillary diagnostic techniques, liquid-based cytologic preparations, and the application of needle biopsy findings to management decisions. The freely searchable online text and a full-color image bank are available on a companion website. (www.kinsolution.com)

This handy book offers a complete overview of current minimally invasive techniques for the management of endocrine diseases of the neck, reflecting how, in the past few years, the development of various ultrasound-guided procedures and endoscopic/Video-assisted surgical procedures has changed the approach to thyroid and parathyroid diseases. The book opens by describing the main diagnostic tools for thyroid, parathyroid and cervical lymph nodes, focusing especially on the new technologies for tissue characterization. The difference minimally invasive treatment procedures involving either a percutaneous approach (ethanol injection, laser thermal ablation, radiofrequency thermal ablation, high-intensity focused ultrasound) or minimally invasive surgery are then described in detail. The volume is intended for all clinicians dealing with an interest in the field of endocrinology and neck surgery. It provides a synthetic but clear description of the various available techniques from a technical point of view and discusses the main issues concerning each of them, permitting comparative evaluation in order to identify the best option in a particular case. It also reports the evidence available in the current literature.

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 cytopathology-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.

Cytology provides a wide-ranging overview of the microscopic study of normal and abnormal cells, showing how current visualization methods are used to study cell structure, and how early detection of abnormal cell pathology can lead to timely clinical interventions

Featuring hundreds of multiple-choice questions and full-color illustrations, Anatomic Pathology Board Review serves as a comprehensive resource for both certification and recertification exams. This fully updated medical reference book contains chapters covering general pathology, the major organ systems, and ancillary diagnostic techniques, as well as important topics including immunohistochemistry, cytopathology, and molecular diagnostics. It’s the perfect tool to help you be as prepared as possible for the Anatomic Pathology boards! Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Understand why an answer is correct or incorrect with help from brief explanations accompanying each. Access coverage of all of the major organ systems and ancillary diagnostic techniques. Prepare for the boards with updated coverage of all of the most important topics on the anatomic pathology board exam, as well as over 900 MCQs, 835 full-color illustrations, and a format that mimics that of the actual test. Easily find specific diagnostic entities through a new Index to Images and Topics. Get a clearer view of critical material thanks to an improved design and larger illustrations.

Based upon the nearly 75 years of memories, I document growing up in the undivided India, the creation of Pakistan and my social, political and emotional experiences. After medical schooling, I came to the US with a wealth of Eastern values of fairness, moral principles, self-rightness and work ethics. Over four decades the success among the bests in academia, has been professionally and personally rewarding. Based upon the nearly 75 years of memories, I document growing up in the undivided India, the creation of Pakistan and my social, political and emotional experiences. After medical schooling, I came to the US with a wealth of Eastern values of fairness, moral principles, self-rightness and work ethics. Over four decades the success among the bests in academia, has been professionally and personally rewarding.

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in the cytopathology of the urinary tract.

This text and the terminology developed by the Papanicolaou Society of Cytopathology (P.S.C.) represents an important advance in the field of pancreaticobiliary cytopathology. This textbook/atlas is designed to present a comprehensive and state of the art approach to the cytopathologic diagnosis and reporting of pancreaticobiliary lesions. Chapters address each of the diagnostic categories defined by the P.S.C. The definition of each category along with the clinical pathologic entities contained within the category are discussed along with specific cytopathologic criteria for inclusion of a cytopathologic specimen within the category. Each chapter is lavishly illustrated demonstrating diagnostic criteria and examples of lesions contained within the category. Additionally, appropriate ancillary testing is discussed and where appropriate illustrated. Each chapter concludes with a discussion of appropriate management as well as estimates of malignancy risk for the category. The Papanicolaou Society of Cytopathology System for Reporting Pancreaticobiliary Cytology: Definitions, Criteria, Ancillary Testing and Management will provide the reader with a unified approach to diagnosing and reporting interpretations of cytologic specimens obtained from the pancreaticobiliary tract. This text/atlas will serve as a reference guide for pathologists, surgeons, endoscopists and radiologists.

Management of bladder cancer provides a single, comprehensive reference source that incorporates all the latest information regarding bladder cancer. This text covers epidemiology and natural history of bladder cancer as well as latest findings regarding the genetics and molecular biology of the disease. Diagnostic and staging evaluation of both non-muscle invasive and invasive bladder cancer is discussed. The text incorporates chapters summarizing new findings regarding markers for the diagnosis of bladder cancer and new diagnostic techniques to enhance traditional methods such as cystoscopy. Risk stratified treatment of non muscle invasive bladder cancer including various approaches to intravesical therapy are reviewed. Current guidelines based approaches to management and new data regarding diagnosis and prognostication of muscle invasive bladder cancer is analyzed and summarized. The application of chemotherapy for muscle invasive and advanced disease is discussed and the evidence based application of multimodality therapy highlighted. Finally, gaps in current knowledge and areas for future research are highlighted. Ongoing important clinical trials that could imminently yield significant new knowledge is discussed. Authored by experts in their respective fields, Management of Bladder Cancer will serve as a easy and complete reference resource for clinicians, researchers, individuals in training, allied health professionals and medical students in the fields of Urology, Medical Oncology, Radiation Oncology, Basic and Translational Science and Epidemiology.

Includes abstracts of papers of various symposia.

This issue of Otolaryngologic Clinics of North America, devoted to Obstructive Sleep Apnea, is guest edited by Dr. Mark A. D'Agostino. Articles in this outstanding issue include: Pediatric Sleep Apnea; Skeletal Procedures for Obstructive Sleep Apea; Nasal Obstruction and its Role in Obstructive Sleep Apnea and Nasal procedures; Sleep Testing; Drug-induced Sleep Endoscopy; PAP Therapy for Obstructive Sleep Apnea; Patolal Procedures for Obstructive Sleep Apea; Oral Appliances for Obstructive Sleep Apnea; Obstructive Sleep Apnea Overview and Economic Impact of Untreated Obstructive Sleep Apnea; Genioglossal Advancement, Hyoid Suspension and Tongue Base Radio Frequency for Obstructive Sleep Apnea, Endoscopic Partial Midline Glossectomy; Robotic Partial Glossectomy for Obstructive Sleep Apnea; Upper Airway Stimulation Therapy.

This new volume in the Biopsy Interpretation Series is a practical guide and bench reference for the interpretation of neck biopsies that involve thyroid and parathyroid tissue. The text covers common thyroid biopsies, parathyroid biopsies that are frequent surgical specimens, and uncommon aspirates that may be mistaken for thyroid. Coverage includes state-of-the-art information on immunohistochemistry, molecular diagnostics, and laser scanning cytometry. More than 250 full-color illustrations complement the text. A companion Website will provide 500 additional figures, Parathyroid Pearls, and a test bank that is ideal for board exam preparation.

The outstanding feature of this publication is that it illustrates in detail the broad range of pancreatic lesions most likely to be encountered on fine needle aspiration of the pancreas, incorporating ancillary testing and differential diagnoses. Detailed descriptions of the cytopathologic features of nonneoplastic entities, ductal and nonduetal primary neoplasms, nonneoplastic and neoplastic cystic lesions, and secondary tumors and mesenchymal lesions are included. A multidisciplinary authorship has created a well-rounded presentation of the clinical, imaging, and histopathological features of each lesion. A chapter on specimen processing provides guidance on cytological preparation of samples from solid and cystic lesions. This monograph is written for cytotechnologists, general pathologists, and cytopathologists who work with pancreatic fine needle aspiration in their practice. It is also a useful guide to pancreatic cytology for advanced endoscopists, surgeons, and oncologists who evaluate, manage, and treat patients with pancreatic masses.

This book is a unique in-depth and comprehensive reference that covers all surgically relevant thyroid and parathyroid diseases and presents the latest information on their management. International authorities discuss operative techniques and treatments in detail and explain the rationales for their favored approaches. The topics of this second edition include the description of surgically relevant pathologies, preoperative surgical evaluation, decision making, and operative strategies for the various thyroid and parathyroid diseases. In addition, experts present the molecular basis for thyroid neoplasia, review the current understanding of the genetics of inherited thyroid and parathyroid diseases, and discuss the management of recurrent and locally invasive thyroid cancer. Evolving modern operative techniques such as neumorintoring and minimally invasive (laparoscopic) approaches to the thyroid and parathyroids are also covered.

This text provides a comprehensive review of the most frequently encountered diagnostic pitfalls in thyroid cytopathology. Written in a case study format, the text provides the most current and complete information on both non-neoplastic and neoplastic thyroid conditions. Each chapter focuses on a specific diagnostic challenge and/or pitfalls that help in the differential diagnosis as well as the judicious use of ancillary studies when necessary. A review of the current literature as it relates to each disease entity is also incorporated into respective chapters. Highly illustrated with ample illustration of microscopic features to tackle common and uncommon diagnostic challenges in everyday routine practice. This book provides a concise yet comprehensive summary of the common cytologic features needed to resolve the diagnostic pitfalls. Common Diagnostic Pitfalls in Thyroid Cytopathology serve as a very useful resource for pathologists and physicians dealing with, and interested in the thyroid.

Expansively illustrated, this volume in the “Foundations in Diagnostic Pathology” series encompasses aspiration cytopathology of all major body sites. Experts in the field provide you with a clear, concise, and practical diagnostic approach to the challenges you face every day. Color photomicrographs provide a visual image of individual lesions, to make learning quick and easy. The consistent, convenient format provides quick, at-a-glance reference, making it an excellent resource not only for the pathologists-in-training but for those in practice as well. Uses highly templated chapters to make key information easy to find. Incorporates carefully selected high-quality, full-color images. Covers aspiration cytopathology of all major body sites. Includes contributions from the world’s foremost cytopathologists.

This issue of Surgical Pathology Clinics, edited by Dr. Vickie Jo, focused on Cytopathology. Topics include—but are not limited to—Head and Neck Cytopathy; HPV-Associated Carcinomas; Updates in Thyroid
Cytology: Salivary Gland Cytology; Pulmonary Cytology; Updates in Effusion Cytology; Updates in Gynecologic Cytology; Diagnostic Advances in Urine Cytology; Renal Neoplasms; Pancreaticobiliary Cytology; Carcinoma of Unknown Primary; Soft Tissue Neoplasms; Primary Bone Tumors; Pediatric Cytology; Advances in Molecular Testing Techniques in Cytological Specimens; and Circulating Tumor Cells: Applications in Cytology.

Addressing controversial and topical issues in the field of salivary gland disease and surgical management of salivary gland disease, this new edition integrates the newest clinical findings with the historical pathological records, and attempts to resolve any conflicts between the two. Fully-illustrated and updated since the first edition in 2002, it is particularly useful for trainees sitting their final exam, because it deals with new controversial subjects which are topical at all the conferences and exam vistas.

In this textbook, leading experts from highly acclaimed institutions describe evidence-based best practice in the management of a wide range of benign and malignant thyroid, parathyroid, adrenal, and neuroendocrine conditions. Detailed attention is devoted to the current role of surgery, including minimally invasive surgery and robotic surgery, in different endocrine disorders. The reader will also learn how best to respond to the problems that may be encountered during endocrine surgical practice. While much of the focus is on surgical aspects, the approach is multidisciplinary, with inclusion of information on recent advances in epidemiology, genetics, cytology, pathology, imaging modalities, and other treatment options. The clear text is complemented by instructive clinical cases as well as numerous high-quality illustrations and tables summarizing key points. This book will be of value for specialists in endocrine medicine and surgery as well as general surgeons with an interest in endocrine surgery.

The primary thrust of this atlas is a comparison between different diagnostic entities with cytologic findings summarized in tabulated forms. The book contains over 3,200 full color photographs that illustrate the criteria for the cytology described. The Color Atlas of Differential Diagnosis in Exfoliative and Aspiration Cytology is an excellent reference for everyday use when difficult and challenging cases face both cytopathologists and pathologists. A tabulated form of information saves valuable time while reporting cytology.

Molecular diagnostics are increasingly used to help guide targeted therapy in solid organ tumors and hematologic malignancies. A large proportion of molecular testing is performed on limited-volume samples obtained via minimally invasive techniques, such as fine needle aspiration. Increasingly, cytopathologists play an essential role in this process, both in the triage of specimens during rapid on-site evaluation and in the evaluation of archival samples to determine suitability for ancillary testing. Therefore, it is imperative that practicing cytopathologists stay abreast of up-to-date diagnostic, prognostic, and predictive ancillary tests that can be used on limited cytologic material. This is a challenge since the landscape of known genomic alterations is constantly evolving and the subsequent set of testing options is ever expanding. The proposed text will provide a user-friendly quick-reference handbook to serve as a useful resource for practicing pathologists and laboratory personnel dealing with, and interested in, this evolving field of molecular cytology. Essential components to be presented include: 1) pre-analytic factors that affect sample selection and evaluation; 2) specimen preparation to maximize confidence in results; 3) interpretation of results; 4) potential limitations; and 5) workflow algorithms. In addition, specific disease specific molecular testing details will be outlined to provide the reader with resources for quick reference. All chapters will be written by experts in their fields and will include the most up-to-date scientific and clinical information. Molecular Diagnostics in Cytology will be of value to Cytopathologists, Cytotechnologists, Cytology students, Cytology fellows, Surgical pathologists, Pathology residents and fellows, Molecular Pathologists, Molecular pathology fellows, Molecular technologists, as well as Translational researchers with an interest in molecular cytology.

Concise yet comprehensive, Cytology: Diagnostic Principles and Clinical Correlates is a practical guide to the interpretation of virtually any cytological specimen you may encounter. This highly useful bench manual covers all organ systems and situations in which cytology is used, including gynecologic, non-gynecologic, and FNA samples, with an in-depth differential diagnosis discussion for all major entities. As with previous editions, the revised 5th Edition focuses on practical issues in diagnosis and the use of cytology in clinical care, making it ideal for both trainees and practicing pathologists. Uses easy-to-read, bulleted text to provide a quick review of key differential diagnoses, indications and methods, cytomorphic features, clinical pearls, and tissue acquisition protocols for specific entities. Includes coverage of patient management in discussions of pertinent clinical features and emphasizes clinical correlation throughout. Examines the role of immunohistochemistry, flow cytometry, and molecular biology in resolving difficulties in interpretation and diagnosis. Features more than 530 full-color illustrations that provide a real-life perspective of a full range of cytologic findings. Discusses hot topics such as new diagnostic biomarkers and their utility in differential diagnosis, the latest in diagnostic ancillary methods, terminology, classification, new techniques, and new adjunct tests. Provides an in-depth analysis of common diagnostic pitfalls to assist with daily sign-out and reporting. Includes a video on how to perform fine needle aspiration biopsy, from the patient interview and precautions to demonstration of techniques.

This updated and expanded second edition covers all of the diagnostic areas where FNAC is used today. Each chapter follows a similar, practical format: diagnostic criteria with an emphasis of differential diagnostic algorithms and pitfalls; and relevant findings of ancillary methods. Authoritative discussions will reflect accepted international viewpoints. The interaction of the cytologist or cytopathologist with other specialists (radiologists, oncologists and surgeons) is emphasized and illustrated throughout. With contributions from experts in the field internationally and many new colour images Atlas of Fine Needle Aspiration Cytology, Second Edition 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 mass lesions.

Each volume in this richly illustrated series, sponsored by the Papanicolaou Society of Cytopathology, provides an organ-based approach to the cytological and histological diagnosis of small tissue samples. Benign, pre-malignant and malignant entities are presented in a well-organized and standardized format, with high-resolution color photomicrographs, tables, tabulated specific morphologic criteria and appropriate ancillary testing algorithms. Example vignettes allow the reader to assimilate the diagnostic principles in a case-based format. This volume describes the cytologic, small core biopsy, immunohistochemical, and molecular diagnostic features of pancreatic tumors. It provides the cytopathologist and histopathologist with a comprehensive survey of diagnostic approaches and diagnostic features for benign and malignant lesions. Each chapter contains a detailed summary of differential diagnostic features, supported by high-quality images and case studies. The print edition includes a CD-ROM offering all images in a downloadable format. With over 500 photomicrographs, this is an important resource for practising pathologists and residents in pathology.

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 current context with 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.
This book presents rational diagnostic approaches to common areas of cytopathology, such as thyroid, lymph node and effusion cytology. It discusses differential diagnoses for each site, and describes a systematic approach to narrow down differential diagnoses in a logical manner based on cytomorphology and the judicious application of ancillary tests. Further, it introduces discriminatory panels of immunohistochemical tests, with an emphasis on patient-centred approaches with active clinicopathologic correlations. In addition, it provides practical recommendations for optimizing tissue triage for ancillary testing, in terms of both diagnostic and therapy-related testing. The book also includes sample diagnostic reports to help readers formulate appropriate comments and to aid clinicians in specific clinical scenarios, as well as test cases for readers to apply their diagnostic and specimen triage algorithms. The book equips readers to apply logical approaches to sound cytopathology reporting in daily clinical practice, guiding them through specimen collection and triage to diagnostic workup based on morphologic and clinical features, and writing rational and clinically useful diagnostic cytology reports with a focus on clinicopathologic correlation. As such it is relevant for practising cytopathologists and pathology trainees as well as for cytologists (cytotechnologists) and other clinicians involved in cytopathology diagnostic processes.

The first edition of The Bethesda System for Reporting Thyroid Cytopathology was published in 2010 and has greatly influenced the practice of thyroid cytopathology. The terminology proposed and illustrated in this text has been widely adopted not only in the U.S. but also abroad. It has become an essential text for pathology trainees and practicing pathologists examining thyroid fine needle aspiration (FNA) specimens. Since 2010, there have been a number of important advances in the management of patients with nodular thyroid disease and in the understanding of the biology of thyroid cancer. This new edition includes these advances that impact terminology for reporting thyroid cytopathology. In particular, it incorporates a discussion of the recently implemented and now widespread use of molecular testing of thyroid FNA samples, which has transformed the management of patients with nodular thyroid disease in the U.S.. In addition, this edition accommodates the recent changes to the classification of thyroid cancer, most notably the introduction of a new thyroid diagnosis, that of "non-invasive follicular tumor with papillary-like nuclear features (NIFTP)". Thoroughly revised and updated, The Bethesda System for Reporting Thyroid Cytopathology, Second Edition will provide the reader with a unified approach to diagnosing and reporting thyroid FNA interpretations. It serves as a reference guide not just for pathologists, but also endocrinologists, surgeons, and radiologists.

This text presents comprehensive review of the recommendations of the Papanicolaou Society of Cytopathology for reporting results of respiratory cytology specimens along with advances in diagnostic, prognostic, and predictive immunohistochemical and molecular techniques which can be performed on cytology specimens. The majority of the text focuses on the standardized terminology and nomenclature for respiratory cytology as recommended by the Papanicolaou Society of Cytopathology. Each of the diagnostic categories are described in depth and formal definitions for each category are given along with cytologic criteria. Explanatory notes are given discussing limitations of the category as well as its malignancy risk and reproducibility. Management recommendations are supplied for each category. Sample reports documenting the preferred reporting format are also given. Each category is associated with a reference list establishing the evidence based nature of the categories. An in depth discussion of ancillary testing is provided, including the utilization of microbiologic culture, immunohistochemistry, and molecular techniques. Substantial emphasis is placed on molecular diagnostics necessary for optimization of personalized testing and the appropriate use of targeted therapies. The text represents a comprehensive resource for the state of the science of the cytologic diagnosis of respiratory lesions.