Atlas Of Diagnostic Immunohistopathology

Now in its Fourth Edition, this comprehensive, practical, and thoroughly illustrated reference offers valuable guidance in the diagnostic interpretation of lymph node biopsies. It provides encyclopedic coverage of all the various nonmalignant lesions, lymphomas, other neoplasms, and metastatic tumors in lymph nodes. The discussion of each pathologic entity includes definition, clinical syndrome, histopathology, and differential diagnosis. This edition has more than 700 illustrations, including over 600 in full color. Dr. Ioachim is joined by a new co-editor, L. Jeffrey Medeiros, MD, from the University of Texas MD Anderson Cancer Center. All chapters have been extensively revised and a new chapter on genetics has been added. A companion Website will offer the fully searchable online text and an image bank.
This book presents colored gross and microphotographs of histopathology sections of both common and uncommon tumors of the female genital tract, and also includes the immunohistochemistry of the important lesions. Further, it explains the salient diagnostic features and the immunocytochemistry, molecular pathology and differential diagnosis of each lesion with brief references and discusses recent advances in the diagnosis of these tumors. With numerous images offering guidance on diagnosing different lesions of the female genital tract, the book is intended for practicing pathologists and post-graduate students as well as for gynecology practitioners and post-graduate students.
A full-color text and atlas of common and rare genitourinary conditions for practicing pathologists Atlas of Practical Genitourinary Pathology teaches the surgical pathologist how to accurately diagnose and effectively manage the full spectrum of common and rare genitourinary diseases. Completely current with the latest advances in the field, it is one of the first texts to address the new diagnostic markers for GU tumors and the increasing application of immunohistochemistry. Featuring chapters with easy-to-read headings such as Definitions, Clinical Features, Gross Pathology, and Histology, Atlas of Practical Genitourinary Pathology is logically divided into two parts: Male Reproductive Surgical Pathology and Urinary Tract Surgical Pathology. More than 1,500 full-color histology slides assist in fast sample recognition and the concise bulleted text provides the need-to-know data for proper diagnoses and treatment.
"The intention of this book is to provide [the] audience with an in-depth guide to immunohistochemistry, with an emphasis on anatomic diagnosis."--Pref. p. ix.
Atlas of Head and Neck Pathology
Atlas of Differential Diagnosis in Neoplastic Hematopathology, Third Edition
IASLC Atlas of ALK and ROS1 Testing in Lung Cancer

IASLC Atlas of PD-L1 Immunohistochemistry Testing in Lung Cancer
Management of tumor patients now relies on new individualized approaches to treatment, requiring extensive knowledge of the molecular makeup of tumors. Updated and expanded, the third edition of Atlas of Differential Diagnosis in Neoplastic Hematopathology examines not only the differential diagnosis but also the detailed morphologic, immunophenotypic, and especially genetic characteristics of the majority of hematolymphoid malignancies. Featuring a new structure and including new chapters, the third edition updates all conter considerable expansion on many topics, including: Metaphase cytogenetic and FISH Flow cytometry (overview and detailed analysis of specific tumors) Acute myeloid leukemia and new classification schemes MDS, AML, and B- and T-cell lymphoproliferations Abnormal patterns in the lymph node and bone marrow with detail differential diagnosis based on histologic features and cellular composition Detailed differential diagnosis based on the expression of broad list of antigenic markers (flow cytometry and immunohistochemistry) Ext Diagnosis of MDS and myeloproliferative neoplasm and their differential diagnosis based on the morphologic, flow cytometric, and chromosomal features The book also provides expanded differential diagnosis of the most common as well as most difficult and rare entities, including morphologic, immunophenotypic, and karyotypic/molecular features. This edition includes updated algorithms for most common diagnoses as well as several new algorithms. The majority of figures have been revised and are in full color.
Infectious diseases may be encountered in nearly every aspect of pathology. This atlas provides an informative reference for the identification of the common and esoteric pathogens, presenting in a wide array of specimen types. The focus of the presented images is on the hematoxylin and eosin-stained appearances of these infections and highlight common special stains that can be used to aid in the diagnosis of the infectious agent. Where appropriate, commentary regarding additional testing such as immunohistochemistry and mol supplied. The Atlas of Infectious Disease Pathology is organized primarily by pathogen type followed by discussion of the various manifestations that may occur in individual organ systems. The reader will be provided with a comprehensive overview of the histopathology of the majority of infectious diseases encountered in general and subspecialty practice alike.
Atlas of Lymph Node Pathology reviews the histopathology of nodal diseases, illustrating the use of ancillary studies and includes concise discussions of pathogenesis, clinical settings and clinical significance of the pathologic diagnosis. The atlas features an overview of the benign reactive processes secondary to infectious, environmental or unknown insults, as well as relevant illustrations of virtually all primary and secondary neoplasms involving lymph nodes. The atlas also includes macroscopic images of some disorders, tables tha comprehend diseases that look alike, and diagnostic algorithms for certain groups of diseases. Authored by highly experienced pathologists, Atlas of Lymph Node Pathology is a valuable resource that illustrates the vast majority of diseases practicing pathologists, clinicians and oncologists are likely to encounter in daily practice.
Closely mirroring the daily sign-out process, Atlas of Pulmonary Pathology: A Pattern Based Approach is a highly illustrated, efficient guide to accurate diagnosis. This practical reference uses a proven, pattern-based approach to clearly explain how to interpret challenging cases by highlighting red flags in the clinical chart and locating hidden clues in the slides. Useful as a daily "scope-side guide," it features numerous clinical and educational features that help you find pertinent information, reach a correct diagnosis, and assemble a th pathology report. More than 1,500 high-quality photomicrographs capture the subtle morphologic spectrum of both neoplastic and non-neoplastic lung biopsies. Each image is captioned with key diagnostic considerations and includes call-outs showing subtle features and diagnostic clues. Practical tools throughout the text include: Tables that emphasize salient clinicopathologic features, management implications, and therapeutic options Discussions of how and when to incorporate molecular tools Checklists for key elements of the dia sample notes for inclusion in pathology reports Relevant endoscopic images, photographs of select gross specimens, and medical figures Brief reviews of normal histology that provide contrast to succeeding patterns "Pearls and Pitfalls" and "Near Misses" sections with lessons from real life sign-out experience "Frequently Asked Questions" sections that discuss common diagnostic dilemmas "Sample Note" sections that offer a template of how to sign out cases from the simple to the complex Comprehensive quiz provides experience v teaching topics ? Enrich Your Ebook Reading Experience Read directly on your preferred device(s), such as computer, tablet, or smartphone. Easily convert to audiobook, powering your content with natural language text-to-speech.
Atlas of Immunohistology
Leong's Manual of Diagnostic Antibodies for Immunohistology
Atlas of Pulmonary Pathology
Atlas of Mohs and Frozen Section Cutaneous Pathology
Atlas of Oral and Maxillofacial Histopathology

Atlas of Diagnostic ImmunohistopathologyLippincott Williams & Wilkins
Cytology is a unique subspecialty in anatomic pathology, and plays a critical role in the diagnosis of a variety of benign and malignant lesions by using minimally invasive procedures, such as fine needle aspiration, brushing, washing and lavage. Cytology not only provides an accurate diagnosis of the lesion based on the cytomorphological evaluation at cellular level, but also provides material for molecular characterization of a tumor for targeted therapy. In the era of personalized medicine, cytology has continued to grow and evolve as an important diagnostic tool. For example, some types of procedures are routinely used, diagnostic criteria have become more refined, and certain terminology has been changed based on current WHO classifications. Therefore, it is necessary to update our knowledge and terminology in cytology. In this volume, we have retained the quality and the clarity of the series, and like the other volumes, this volume aims to be concise and comprehensive yet clinically relevant to daily practice. Although this volume is written by multiple authors, all chapters follow a similar format: brief introduction of the specific organ/system (including types of specimens and techniques to obtain samples), description of normal findings, and a practice approach to diagnose benign and malignant lesions. In each chapter, the key cytomorphological feature and main differential diagnoses of the lesion are summarized in a concise table. Images in each chapter are instructive and clearly represent findings. Where necessary, we have also illustrated the important ancillary tests, such as flow cytometry, immunohistochemistry and molecular analysis, which are crucial for an accurate diagnosis and targeted therapy. The updated knowledge, including key cytomorphological features, current terminology and molecular diagnostic tests, is the highlight of this volume.
With its many diagnostic categories, relevant variants, and rare tumors, soft tissue pathology is one of the most challenging areas of surgical pathology. Focusing on the cutaneous soft tissue specimens and reactive mimics most likely to be encountered by pathologists and dermatopathologists, Diagnostic Atlas of Cutaneous Mesenchymal Neoplasia is a superbly illustrated, easy-to-use atlas designed to be used beside the microscope for efficient diagnosis and classification of soft tissue tumors of the skin. Features high-quality histologic and clinical images of multiple examples of each tumor, with captions and bulleted text for quick reference. Uses a high-yield format that facilitates a rapid and accurate diagnosis, including: Characteristic clinical setting Key morphologic features Immunohistochemical properties Molecular diagnostic testing (where applicable) Offers the most complete presentation available of this complex family of tumors, authored by renowned experts in dermatopathology.
The IASLC Atlas of ALK and ROS1 Testing in Lung Cancer is a resource designed to help pathologists, laboratory scientists, and practicing physicians better understand the background, protocol, and interpretation of results of ALK and ROS1 testing for patients with advanced non-small cell lung cancer.
Atlas of Dermatopathology
An Atlas of Investigation and Management
Diagnostic Immunohistochemistry of the Skin
An Atlas and Concise Guide
A Comprehensive Guide for Practicing Thyroid Pathology
This richly illustrated book will help presurgically diagnose pediatric/young adult tumors. The content is divided into two parts. The first part shows step-by-step how to perform a small volume specimen such as fine needle aspiration/core needle biopsy and how to correlate the morphology with the clinical, radiological, and/or molecular information. In turn, the second part presents a comprehensive overview of the various tumor entities. The content represents diagnostic modalities from the major diagnostic centers worldwide, and is supplemented by the authors` 25 years of experience in diagnosing pediatric tumors. This book will successfully guide practitioners, researchers and oncology pediatricians through the process of sample harvesting and diagnosing. Pediatric tumors represent a large variety of lesions including pseudotumors of inflammatory and non-inflammatory origin, various types of lymphadenopathy, benign lesions, specific sarcomas, and blastemal malignancies. These age-specific and histotype-specific tumors of various origin, evolution and prognosis are often characteristic in morphological and molecular levels, making their diagnosis highly specialized.
Closely mirroring the daily sign-out process, Atlas of Genitourinary Pathology: A Pattern Based Approach is a highly illustrated, efficient guide to accurate diagnosis. This practical reference uses a proven, pattern-based approach to clearly explain how to interpret challenging cases by highlighting red flags in the clinical presentation and locating hidden clues in the slides. Useful as a daily "scope-side guide," it features numerous clinical and educational features that help you find pertinent information, reach a correct diagnosis, and assemble a thorough and streamlined pathology report.
This atlas illustrates the range of breast lesions with detailed correlation of gross and microscopic features. Where relevant, radiological images are incorporated. A description of normal, developmental and physiological breast morphology will serve as introduction to the main content of this atlas. Classification of tumors is based on the latest World Health Organization Classification of Tumors of the Breast, 4th edition, 2012. As immunohistochemistry is a key adjunctive tool in the workup of breast lesions as well as used in prognostic evaluation of breast cancers, appropriate examples are interspersed among the lesions where pertinent.
This Atlas is an essential guide to both the diagnosis and differential diagnosis of neoplastic hematopathologies, based on specific parameters. It will be an invaluable reference for all practicing hematologists, oncologists and pathologists.Atlas of Differential Diagnosis in Neoplastic Hematopathology, Second Edition discusses:basic clinical data
Practical Atlas of Transplant Pathology
Dermatopathology
Autopsy Pathology: A Manual and Atlas
Color Atlas of Female Genital Tract Pathology
Practical Atlas of Breast Pathology
Providing a unique A-Z guide to antibodies for immunohistology, this is an indispensable source for pathologists to ensure the correct application of immunohistochemistry in daily practice. Each entry includes commercial sources, clones, descriptions of stained proteins/epitopes, the full staining spectrum of normal and tumor tissues, staining pattern and cellular localization, the range of conditions of immunoreactivity, and pitfalls of the antibody's immunoprofile, giving pathologists a truly thorough quick-reference guide to sources, preparation and applications of specific antibodies. Appendices provide useful quick-reference tables of antibody panels for differential diagnoses, as well as summaries of diagnostic applications. Expanded from previous editions with over forty new entries, this handbook for diagnostic, therapeutic, prognostic and research applications of antibodies is an essential desktop book for practicing pathologists as well as researchers, residents and trainees.
The IASLC Atlas of PD-L1 Immunohistochemistry Testing in Lung Cancer is a resource designed to help pathologists, clinicians, other health care personnel, and patients better understand emerging programmed cell death ligand-1 (PD-L1) immunohistochemistry (IHC) assays as well as important areas of clarity and debate.
Dermatopathology The most up-to-date edition of a pattern-based dermatopathology atlas In Dermatopathology: Diagnosis by First Impression, an expert team of dermatopathologists deliver an authoritative guide to the microscopic differentiation of visually similar dermatological diseases that is useful for both trainees and practicing physicians. This latest fourth edition includes new sections on alopecia and immunohistochemistry as well as over 100 new photomicrographs for a total of almost 1000 high-resolution and annotated figures. The "Key Differences" pages walk the reader through the identification of distinctive diagnostic features, and disease-based and alphabetical indexes make it simple to quickly locate necessary information. Unique amongst dermatopathology atlases, this book remains organized by microscopic pattern???as opposed to disease category???which makes it the perfect companion for slide analysis. It also offers self-assessment questions and algorithms for pattern analysis, as well as: An introduction to gestalt diagnosis Focus on architectural patterns as well as cell type/morphology Practical discussion of immunohistochemistry Expanded sections on melanocytic, soft tissue, and lymphoid lesions as well as alopecia A visual feast for practicing dermatologists and pathologists, Dermatopathology: Diagnosis by First Impression will also earn a place in the libraries of trainees.
Part of the highly regarded Diagnostic Pathology series, this updated volume is a visually stunning, easy-to-use reference covering all aspects of head and neck pathology. Outstanding images—including gross and microscopic pathology, a wide range of stains, and detailed medical illustrations—make this an invaluable diagnostic aid for every practicing pathologist, resident, or fellow. This second edition incorporates the most recent clinical, pathological, histological, and molecular knowledge in the field to provide a comprehensive overview of all key issues relevant to today's practice. Thoroughly updated content throughout including new coverage of oropharyngeal carcinoma; HPV-associated, mammary analogue secretory carcinoma; EWSR1 driven tumors; molecular pathways as targets for salivary duct carcinoma; and much more High-quality, carefully annotated color images (50% new!) provide clinically and diagnostically important information on more than 315 new and evolving entities of the head and neck and endocrine organs State-of-the-art coverage of tumors, tumor development, and tumor genetics as well as normal histology, genetic testing, and new immunohistochemistry studies Fully integrated, searchable, and linked content between differential diagnostic categories is perfectly suited for residents, while updated genetic testing algorithms, new images, and outstanding graphics make this text ideal for both residents and practitioners Supporting studies are placed into clinical context, with tables and molecular flow charts that assist with management decisions and prognostic outcome predictions Time-saving reference features include bulleted text, a variety of test data tables, key facts in each chapter, annotated images, and an extensive index
Diagnostic Pathology: Head and Neck E-Book
Atlas of Practical Genitourinary Pathology
Antigen Retrieval Immunohistochemistry Based Research and Diagnostics
Atlas of Genitourinary Pathology
Wheater's Pathology - Inkling Enhanced E-Book
Meeting the needs for specialist surgeons and clinical chemists, this atlas provides a comprehensive visual presentation of breast cancer. It takes the reader through the anatomy of the breast, followed by a clear guide to the use of available imaging and diagnostic techniques, including ultrasound, mammography, cytochemistry and histochemistry.
This atlas describes and illustrates the pathology of solid organ transplants and includes chapters covering transplant pathology of the kidney, lung, heart, liver, pancreas, small bowel and limbs. Each of these chapters briefly reviews the latest rejection classifications for each organ system with explanatory notes highlighting diagnostic criteria, and tables listing entities in the differential diagnosis. Included with each chapter are images demonstrating the pathology of the most common and important diseases, especially patterns of organ rejection and related entities or mimickers. Examples of classic disease processes are provided, as well as atypical presentations that may highlight and prevent diagnostic pitfalls. A comprehensive explanation of the immunogenetics of transplant rejection is included, enabling the general pathologist to become familiar with the most important aspects of serologic testing in this patient population. A review of post-transplant lymphoproliferative diseases is also provided. Practical Atlas of Transplant Pathology is aimed at both general and expert pathologists who encounter transplant pathology specimens in their practice.
Liver Pathology: An Atlas and Concise Guide will provide pathologists, heptologists, gastroenterologists, residents and fellows in their respective fields with an up-to-date guide to the differential diagnoses, interpretation and diagnoses of liver specimens. Liver Pathology: An Atlas and Concise Guide contains over 600 high-quality color images demonstrating the histopathologic and immunohistichemical findings supported by concise text listing the all essential information about liver diseases including definition, patient demographics, clinical signs and symptoms, laboratory findings, pathologic features (histology, immunohistochemistry, molecular studies), differential diagnosis and key references. Liver Pathology: An Atlas and Concise Guide provides the "fundamentals" of liver pathology-in a straightforward, problem-oriented presentation of key points and typical differentials based on what you are likely to see.
Diagnostic Pathology and Molecular Genetics of the Thyroid, Second Edition, offers a comprehensive overview of the diagnostic surgical pathology, cytopathology, immunohistochemistry and molecular genetics of the thyroid diseases, including neoplastic and non-neoplastic conditions. The book provides a detailed description of the surgical pathology of thyroid diseases side by side with major advances in immunohistochemistry and molecular genetics that can be used in evaluating thyroid tumors and non-neoplastic diseases.
Atlas of Pediatric Brain Tumors
Breast Cancer
Diagnosis by First Impression
Small Volume Biopsy in Pediatric Tumors
Classification and Differential Diagnosis
This atlas contains excellent clinical and histopathologic images and text of each of the types of cutaneous lymphoma (around 25 entities). It is the first go-to text for those who are considering a diagnosis of cutaneous lymphoma in their differential diagnosis. The text also includes diagnostic mimics of lymphoma and differential diagnosis tables and algorithms. The target audience is general practitioners, dermatologists, pathologists and students, residents and fellows. The diagnosis of lymphoma in the skin is confounded by the myriad of disorders that can mimic lymphoma clinically and histopathologically and by inconsistencies in the diagnostic classification that have only recently been resolved. In the last decade the European Organization for Research and Treatment of Cancer (EORTC) Cutaneous Lymphoma Group and the World Health Organization (WHO) Collaborated in a series of workshops and consensus meetings to arrive at a definitive classification scheme for cutaneous lymphoma. Unfortunately, the publication by the WHO that described this schema included all lymphomas and has the skin tumors scattered throughout the volume. There is currently no go to text for those who are considering a diagnosis of cutaneous lymphoma in their differential diagnosis. As a result there continues to be confusion about the diagnosis of cutaneous lymphoma, although this classification scheme was published in 2008.
This essential guide offers trainees and practicing dermatologists alike a reliable and easy-to-navigate reference tool for the accurate and expedient diagnosis of skin diseases. With its balanced consideration of both clinical and histopathological features, the book supports the straightforward, pattern-based identification of a wide range of disorders, and breaks diagnostic criteria down into accessible, bite-sized pointers. 250 high-quality images complement the text to wonderful effect, and offer invaluable points of comparison for anyone working in the field of dermatology today.
Of all the techniques used to treat non melanoma skin cancer, the highest cure rates belong to the Mohs surgical procedure. Critical to this technique is optimal preparation and interpretation of frozen sections. The second edition of this highly successful atlas details both common and uncommon cutaneous neoplasms that can serve as a source of reference for established practitioners and a review for those in training. It includes new frozen section specimens, the most current diagnostic guidelines, and discussion of the advancements in tissue staining. There is also an additional chapter with self-study tools, where readers can test their knowledge using various images with a multiple choice answer format, followed by a discussion of the correct answer. With high resolution figures, the Atlas of Mohs and Frozen Section Cutaneous Pathology, Second Edition is the premier text on the topic, serving as a highly practical guide to microscopic analysis, diagnosis, and discrimination of common and problematic cutaneous neoplasms. Highlights of the Atlas include diagnosis of basic and routine dermatologic entities, diagnosis and distinction of rare and/or deadly neoplasms such as dermatofibrosarcoma protuberans and merkel cell carcinoma, a troubleshooting guide dealing with quality control of the frozen section technique, and discussion of techniques including immunohistochemistry. Comprehensive and presented in full color, the Atlas of Mohs and Frozen Section Cutaneous Pathology, Second Edition is an indispensable reference for anyone involved with the Mohs procedure, including dermatologic surgeons, Mohs cutaneous surgeons, as well as pathologists and dermatopathologists who perform frozen section analysis of cutaneous specimens.
This atlas examines the benefits and limitations of immunocytochemistry (ICC) in contemporary cytology. The text addresses offers practical advice on choice of markers, and illustrates the use of ICC in fine needle aspiration and body cavity fluid cytology. This practical handbook will allow for quick reference in the selection and interpretation of markers in specific differential diagnostic in the daily practice of diagnostic cytology. Includes 299 color illustrations.
Liver Pathology
Tumors, Nevi, and Cysts
A Pattern Based Approach
Atlas of Infectious Disease Pathology
Atlas of Lymph Node Pathology
This book presents the basic concepts for understanding and practicing breast pathology in routine practice. It explains how to tackle the diagnosis, emphasizing diagnostic clues for each entity as well as pitfalls and mimickers. Each chapter has concise, relevant text illustrated by numerous high-quality pictures highlighting the pearls and challenges in the diagnosis of breast lesions. Experts from around the world describe common and rarer conditions affecting the breast. Histology, immunohistochemistry, cytology, radiology and key morphologic criteria are covered. The book includes a chapter dedicated to breast normal histology, which is very important for understanding breast pathology, and a separate chapter for breast radiology, which is essential in understanding and diagnosing the breast lesions especially in a multidisciplinary team. Also, there is a chapter with the latest TNM staging system as well as the recently revised World Health Organization classification of breast tumors. Since in many breast units the cytology is still used to diagnose breast lesions there is a chapter dedicated to this technique. This book is aimed at trainees and practicing pathologists in surgical pathology, particularly those with an interest in breast pathology and those tackling the daily sign-out.
The Atlas of Oral and Maxillofacial Histopathology is a quick, user-friendly diagnostic reference text on Oral and Maxillofacial Histopathology for general pathologists, dermatopathologists, and ENT pathologists regarding oral and maxillofacial disorders. Comprised of six compact chapters, the Atlas contains the most common as well as unusual entities that are submitted by surgeons working in this anatomic area. The defining diagnostic histopathology is presented by means of carefully selected images and captions, in addition to a brief outline of the demographic information and histopathologic differential diagnoses. Pitfall problems in diagnosis are also discussed and resolved. A free companion web site features interactive text and an image bank.
Atlas of Head and Neck Pathology delivers authoritative, highly visual guidance for effectively and accurately diagnosing a wide range of head and neck problems. This comprehensive resource features extensive, high-quality images depicting the histologic, immunohistochemical, cytologic, and diagnostic imaging appearance of every type of head and neck pathology. With a consistent, practical organization and succinct, bulleted format, the Atlas continues to be the resource general pathologists and specialists count on for reliable, easy-to-find answers. Reach accurate diagnostic conclusions easily with a consistent, user-friendly format that explores each entity's clinical features, pathologic features (gross and microscopic), ancillary studies, differential diagnoses, and prognostic and therapeutic considerations. Glean all essential, current, need-to-know information with sweeping revisions that include additional images shown in the frozen section, more content on odontogenic lesions and neoplasms, and inclusion of newly described entities such as IgG-associated salivary gland diseases, mammary analog secretory carcinoma, and more. Review expanded coverage of critical areas with additional chapters on oral cavity and oropharynx, nasopharynx, and neck. Apply the most current staging of cancers from College of American Pathologists (TNM) and American Joint Committee on Cancer (AJCC). Interpret the findings you're likely to see in practice with the aid of high-quality images now available online for review or download. Take it with you anywhere! With Expert Consult, you'll have access to the full text, online, and as an eBook - at no additional cost!
Color Atlas of Equine Pathology offers a practical guide to identifying equine diseases, presenting a single resource with more than 1000 images showing predominantly gross pathology. Organized by body systems, the book allows for picture matching during or after an equine necropsy. In this user-friendly atlas, each chapter takes a common format, presenting the disease process as well as congenital, degenerative, inflammatory, and neoplastic sequences, with text boxes offering quick reference to key information. The book begins with an introductory chapter summarizing the principles of the equine field necropsy, and subsequent organ-based chapters depict gross features of disease, focusing on macroscopic digital images supplemented by histology and immunohistochemistry when necessary. Some clinical information for correlation with pathology is included. Color Atlas of Equine Pathology is an essential resource for diagnostic veterinary pathologists and pathology residents, as well as for equine practitioners performing necropsies in the field.
Color Atlas of Equine Pathology
Diagnostic Pathology and Molecular Genetics of the Thyroid
Atlas of Cutaneous Lymphomas
Atlas of Cytopathology and Radiology
Atlas of Diagnostic Immunohistopathology
The most complete, up-to-date reference on antigen retrieval and immunohistochemistry An antigen is a substance that prompts the generation of antibodies and can cause an immune response. The antigen retrieval (AR) technique is in wide use across the globe, and is a critical technique used in medical diagnosis of disease, particularly clinical targeted cancer treatment. Antigen Retrieval Immunohistochemistry Based Research and Diagnostics discusses several scientific approaches to the standardization of quantifiable immunohistochemistry (IHC). Based on the development and application of AR by the editors, this volume summarizes recent achievements in AR-IHC and analyzes numerous cutting-edge issues for future research projects. Featuring contributions from a worldwide group of leading experts and research scientists in the field, this important work: Summarizes the key problems in the four fields of antigen retrieval Discusses the advances of AR techniques and their applications Provides practical methods and protocols in AR-IHC, such as extraction of nucleic acids and proteins for molecular analysis, cell/tissue sample preparation, and standardization and development of various techniques to meet the future needs of clinical and research molecular analysis Encourages further research in AR and IHC, particularly how AR methods might be employed for improved test performance and the development of greater reliability and reproducibility of IHC Includes an appendix of related laboratory protocols Antigen Retrieval Immunohistochemistry Based Research and Diagnostics is intended for clinical pathologists, molecular cell biologists, basic research scientists, technicians, and graduate students who undertake tissue/cell morphologic and molecular analysis and wish to use and extend the power of immunohistochemistry. It is also pertinent for most biotechnology companies majoring in development of IHC products. Wiley Series in Biomedical Engineering and Multi-Disciplinary Integrated Systems / Kai Chang, Series Editor
Dermato(patho)logists nowadays greatly rely on the progress of immunohistochemistry, both at the light and electronmicroscopic level. Immunohistochemical techniques not only represent a major diagnostic tool, but they also substantially contribute to our understanding of the aetiopathogenesisof skin diseases. This book, compiled by an international panel of expert dermatologists represents a concise, yet comprehensive, compendium highlighting the diagnostic and pathogenetic contributions of immunohistochemistry in dermatology.
This text was created to fill a void in the practice of pediatric neuropathology. It is a practical and well-illustrated book representing a collection of interesting, common and unusual tumors for a diagnostic exercise by the reader. The wide reception of the first edition by the pathology community is testament to its relevance and utility in the pathologic diagnosis of pediatric brain tumors. This edition covers topics ranging from neuroimaging, the use of crush and touch preps during intraoperative consultation, classic histological features of pediatric brain tumors, tumor variants, and a miscellaneous group of challenging tumors. Chapters consist of essential diagnostic information and features highlighting recognized variants and their differential diagnoses. A section on molecular pathology and electron microscopy is also included for each tumor category, along with a list of classic reviews and innovative articles on each of the tumor entities as suggested reading at the end of each chapter. Atlas of Pediatric Brain Tumors, Second Edition represents the state of the art in pediatric neuropathology with easy utility beside the microscope.
The aim of this atlas is to guide pathologists and radiologists in the accurate triage and diagnosis of deep seated mass lesions biopsied under ultrasound, CT Scan or fluoroscopic guidance. Fine needle aspiration cytology has become the foremost diagnostic modality in recent years for the diagnosis of mass lesions, including primary and recurrent neoplasms and masses of non-neoplastic and infectious etiology. An essential requirement in the accurate diagnosis of these masses is the correlation of cytomorphology with the radiological findings and adequate triage of acquired material during the biopsy procedure. The cytologic appearance (fine needle aspiration smears, touch preparations, cell blocks and core biopsy), gross surgical resected specimen (where available on follow-up) and imaging findings will be illustrated to provide a complete pathologic-radiologic correlation of the entities discussed. Collection methods and correlation with ancillary studies such as flow cytometry, microbiologic cultures, cytogenetics and immunohistochemistry will be described. The importance of specimen type and cytologic and radiologic techniques will be emphasized.
Pathology of Human Neoplasms
Atlas of Non-Gynecologic Cytology
Atlas of Differential Diagnosis in Breast Pathology
Diagnostic Atlas of Cutaneous Mesenchymal Neoplasia E-Book
An Atlas for Diagnostic Pathology
All the techniques used to treat non melanoma skin cancer, the highest cure rates belong to the Mohs surgical procedure. Critical to this technique is optimal preparation and interpretation of frozen sections. With more than 400 high resolution figures, the Atlas of Mohs and Frozen Section Cutaneous Pathology is the premier textbook on the topic, serving as a highly practical guide to microscopic analysis, diagnosis, and discrimination of common and problematic cutaneous neoplasms. Highlights of the Atlas include diagnosis of basic and routine dermatologic entities, diagnosis and distinction of rare and/or deadly neoplasms such as dermatofibrosarcoma protuberans and merkel cell carcinoma, a troubleshooting guide dealing with quality control of the frozen section technique, and discussion of new techniques including immunohistochemistry. Comprehensive and presented in full color, the Atlas of Mohs and Frozen Section Cutaneous Pathology is an indispensable reference for anyone involved with the Mohs procedure, including dermatologic surgeons, Mohs cutaneous surgeons, as well as pathologists and dermatopathologists who perform frozen section analysis of cutaneous specimens.
A mainstay for pathology residents, Autopsy Pathology is designed with a uniquely combined manual and atlas format that presents today's most complete coverage of performing, interpreting, and reporting post-mortem examinations. This lasting and useful medical reference book offers a practical, step-by-step approach to discussing not only the basics of the specialty, but the performance of specialized autopsy procedures as well. Material is divided into two sections for ease of use: a manual covering specific autopsy procedures, biosafety, generation of autopsy reports, preparation of death certificates, and other essential subjects; and an atlas, organized by organ system, which captures the appearance of the complete spectrum of autopsy findings. Offers expanded coverage of microscopic anatomy. Includes a chapter on performing special dissection procedures that may not be covered during a typical residency. Examines important techniques, such as autopsy photography and radiology, microscopic examination, supplemental laboratory studies, and other investigative approaches. Addresses the latest legal, social, and ethical issues relating to autopsies, as well as quality improvement and assurance. Presents more than 600 full-color photographs depicting common gross and microscopic autopsy findings for every part of the body. Correlates pathologic findings with their clinical causes to enhance diagnostic accuracy. Improved images in the Atlas section provide greater visual understanding. Additional online features include dissection videos demonstrating autopsy techniques; downloadable, commonly used forms for autopsy reports; and calculators for weights and measures. Expert Consult eBook version included with purchase. This enhanced eBook experience offers access to all of the text, figures, images, videos, forms, calculators, and references from the book on a variety of devices.
This concise introduction to pathology covers basic pathological mechanisms and offers a detailed review of systems pathology, making it a complete, effective review for today's readers. Hundreds of high-quality images—many new to this edition—illustrate common entities, and associated captions provide key pathological points. Reader-friendly text clarifies basic and complex information, helping you understand challenging concepts more easily. Wheater's Pathology is an excellent companion resource for users of Wheater's Functional Histology, 6th Edition, offering a comparison of normal histology with the pathological changes in disease Contains a new chapter, Introduction to Pathology and Techniques, that provides more background information on histology techniques, immunohistochemistry, molecular tests and digital pathology. Contains new, full-color illustrations that depict additional pathological entities and update classifications. Incorporates cutting-edge information on molecular pathology throughout. Includes quick-reference features such as keys to the lettering in images at the bottom of each page and fully revised clinical boxes with clinical-pathological correlations that explain the relevance of the pathological processes underlying common diseases and their complications. Summarizes key points with chapter reviews at the end of each section. Evolve Instructor site with a downloadable image bank is available to instructors through their Elsevier sales rep or via request at: https://evolve.elsevier.com
Ioachim's Lymph Node Pathology
An Atlas of Diagnostic Electron Microscopy and Immunohistochemistry
Atlas of Differential Diagnosis in Neoplastic Hematopathology

Color Atlas of Immunocytochemistry in Diagnostic Cytology
An Illustrated Text