

Comprehensive Review Of Histopathological Findings Of

Practical Skin Pathology is the only dermatopathology reference that uses a systematic pattern recognition approach to help you achieve more accurate diagnoses of both neoplastic and non-neoplastic skin diseases. This volume in the Pattern Recognition Series helps you to efficiently and confidently evaluate even the most challenging skin diseases and lesions. Identify challenging types of skin cancer, including cutaneous lymphomas and melanocytic lesions, as well as non-neoplastic skin diseases such as panniculitis; drug eruptions, including reactions to newer chemotherapeutic agents; infectious diseases; and many more, with the only dermatopathology reference that uses a pattern recognition approach. Progress logically from the histologic pattern, through the appropriate workup, around the pitfalls, to the best diagnosis. Compare your clinical findings to more than 1,400 full-color, high-quality photos that capture the characteristic presentation of a full range of dermatopathology specimens.

This volume provides various techniques and methodologies currently used in the study of MERS-CoV. Chapters are divided into four parts detailing evolution and entry of MERS-coronavirus, genetic alteration and structural determination of MERS-coronavirus proteins, quantitation of virus and anti-viral factors, and mouse models for MERS -coronavirus. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and cutting-edge, MERS Coronavirus: Methods and Protocols aims to ensure successful results in the further study of this vital field.

Magnetic resonance imaging (MRI) is a technique used in biomedical imaging and radiology to visualize internal structures of the body. Because MRI provides excellent contrast between different soft tissues, the technique is especially useful for diagnostic imaging of the brain, muscles, and heart. In the past 20 years, MRI technology has improved significantly with the introduction of systems up to 7 Tesla (7 T) and with the development of numerous post-processing algorithms such as diffusion tensor imaging (DTI), functional MRI (fMRI), and spectroscopic imaging. From these developments, the diagnostic potentialities of MRI have improved impressively with an exceptional spatial resolution and the possibility of analyzing the morphology and function of several kinds of pathology. Given these exciting developments, the Magnetic Resonance Imaging Handbook: Image Principles, Neck, and the Brain is a timely addition to the growing body of literature in the field. Covering MRI from fundamentals to practice, this comprehensive book: Discusses the clinical benefits of diagnosing human pathologies using MRI Explains the physical principles of MRI and how to use the technique correctly Highlights each organ's anatomy and pathological processes with high-quality images Examines the protocols and potentialities of advanced MRI scanners such as 7 T systems Includes extensive references at the end of each chapter to enhance further study Thus, the Magnetic Resonance Imaging Handbook: Image Principles, Neck, and the Brain provides radiologists and imaging specialists with a valuable, state-of-the-art reference on MRI.

Rare and Interesting Cases in Pulmonary Medicine provides a look into the uncommon diseases encountered in the field of pulmonary medicine. Using a case-based approach, the book provides clinical scenarios that include relevant accompanying radiology and pathology. Also included are frequently asked questions for each area, as well as a diagnosis and summary, presenting the reader with the most high yield information on each topic. Appropriate for medical students, residents, fellows, and physicians interested in pulmonary medicine, the case-based approach to each topic allows accessibility to the uncommon diseases of the field while also highlighting high yield and important points. Provides case-based approaches to the uncommon diseases of pulmonary medicine, including supporting radiology and pathology Includes uncommon case studies, providing relevant references for further reading and research opportunities Presents related topics with accompanying clinical pearls for direct application in the field

A Comprehensive Guide to Toxicology in Nonclinical Drug Development, Second Edition, is a valuable reference designed to provide a complete understanding of all aspects of nonclinical toxicology in the development of small molecules and biologics. This updated edition has been reorganized and expanded to include important topics such as stem cells in nonclinical toxicology, inhalation and dermal toxicology, pitfalls in drug development, biomarkers in toxicology, and more. Thoroughly updated to reflect the latest scientific advances and with increased coverage of international regulatory guidelines, this second edition is an essential and practical resource for all toxicologists involved in nonclinical testing in industry, academic, and regulatory settings. Provides unique content that is not always covered together in one comprehensive resource, including chapters on stem cells, abuse liability, biomarkers, inhalation toxicology, biostatistics, and more Updated with the latest international guidelines for nonclinical toxicology in both small and large molecules Incorporates practical examples in order to illustrate day-to-day activities and the expectations associated with working in nonclinical toxicology

The only fully-illustrated, full-color, question and answer review of dermatologic pathology Barnhill's Dermatopathology Challenge: Self- Assessment & Review provides you with both a practical self-assessment tool and a comprehensive review, all in one compact volume. Covering pertinent clinical and histopathologic encountered in private and academic dermatopathology practice, it enables you to gain a comprehensive understanding of this critical subspecialty area. This unique book tests your depth of knowledge about cutaneous clinicopathologic correlation through a series of more than 400 illustrated clinical vignette-style questions encompassing over 700 diagnostic entities. Each vignette is accompanied by a detailed explanation discussing relevant clinical and histopathological differential diagnoses. Additionally, each entity covered offers a summary table for rapid review and concise "quick fact" tables that highlight important diagnostic findings. The high quality images present classic examples of conditions encountered in clinical practice and on board certification exams. Many were taken from the Textbook of Dermatopathology by Barnhill, widely acknowledged as the best resource for differential diagnosis in this field. Features Material covered accounts for 25% of the dermatology board and recertification examinations – passing the dermatopathology portion of the exam is required to pass the overall exam Two-page format lets you view the unlabeled image and questions without having to cover the answers All images are clearly labeled to help you learn and review diagnostic features

Since 1939, the Symposium Neuroradiologicum has been held every 4 years in various cities throughout the world. Great neuroradiologists such as Taveras, Du Boulay, Greitz, Lindgren, and DiChiro have been among the presidents of the previous symposia. The XV Symposium Neuroradiologicum was held in Kumamoto from 25 September through 1 October 1994. More than

1,200 participants gathered to discuss the most recent developments, including interventional neuroradiology, functional imaging, MRI contrast media, new techniques in MRI, iodinated contrast media and other advances. The communications are presented in this book. Special lectures held by Drs. Dillon, Harwood-Nash, and Picard are included. This book covers the most recent advances in neuroradiology.

A Comprehensive Guide to Toxicology in Preclinical Drug Development is a resource for toxicologists in industry and regulatory settings, as well as directors working in contract resource organizations, who need a thorough understanding of the drug development process. Incorporating real-life case studies and examples, the book is a practical guide that outlines day-to-day activities and experiences in preclinical toxicology. This multi-contributed reference provides a detailed picture of the complex and highly interrelated activities of preclinical toxicology in both small molecules and biologics. The book discusses discovery toxicology and the international guidelines for safety evaluation, and presents traditional and nontraditional toxicology models. Chapters cover development of vaccines, oncology drugs, botanic drugs, monoclonal antibodies, and more, as well as study development and personnel, the role of imaging in preclinical evaluation, and supporting materials for IND applications. By incorporating the latest research in this area and featuring practical scenarios, this reference is a complete and actionable guide to all aspects of preclinical drug testing. Chapters written by world-renowned contributors who are experts in their fields Includes the latest research in preclinical drug testing and international guidelines Covers preclinical toxicology in small molecules and biologics in one single source

This book is a unique, authoritative and clinically oriented text on pediatric body MRI. It is your one-step reference for current information on pediatric body MRI addressing all aspects of congenital and acquired disorders. The easy-to-navigate text is divided into 17 chapters. Each chapter is organized to comprehensively cover the latest MRI techniques, fundamental embryology and anatomy, normal development and anatomic variants, key clinical presentation, characteristic imaging findings with MRI focus, differential diagnosis and pitfalls, as well as up-to-date management and treatment. Written by internationally known pediatric radiology experts and editorial team lead by acclaimed author, Edward Y. Lee, MD, MPH, this book is an ideal guide for practicing radiologists, radiology trainees, MRI technologists as well as clinicians in other specialties who are interested in pediatric body MRI.

Severe Community Acquired Pneumonia is a book in which chapters are authored and the same topics discussed by North American and European experts. This approach provides a unique opportunity to view the different perspectives and points of view on this subject. Severe CAP is a common clinical problem encountered in the ICU setting. This book reviews topics concerning the pathogenesis, diagnosis and management of SCAP. The discussions on the role of alcohol in severe CAP and adjunctive therapies are important topics that further our understanding of this severe respiratory infection.

With an emphasis on practical diagnostic problem solving, Pathology of the Lungs, 3rd Edition provides the pulmonary pathologist and the general surgical pathologist with an accessible, comprehensive guide to the recognition and interpretation of common and rare neoplastic and non-neoplastic lung conditions. The text is written by two authors and covers all topics in a consistent manner without the redundancies or lapses that are common in multi-authored texts. The text is lavishly illustrated with the highest quality illustrations which accurately depict the histologic, immunohistochemical and cytologic findings under consideration and it is supplemented throughout with practical tips and advice from two internationally respected experts. The user-friendly design and format allows rapid access to essential information and the incorporation throughout of relevant clinical and radiographic information makes it a complete diagnostic resource inside the reporting room. Approximately 1,000 high quality full color illustrations. Provides the user with a complete visual guide to each specimen and assists in the recognition and diagnosis of any slide looked at under the microscope. Comprehensive coverage of both common and rare lung diseases and disorders. One stop consultation resource for the reporting room or study, no need to go further to get questions answered. Clinical background and ancillary radiographs incorporated throughout. Provides the user with all of the necessary diagnostic tools to make a complete and accurate pathologic report. Practical advice and tips from two of the world's recognized experts. Provides the trainee and general surgical pathologist with time saving diagnostic clues when dealing with difficult specimens. Consistent and uniform approach incorporated for each disease and disorder (Etiology, pathogenesis, clinical features, pathologic features, differential diagnosis) User-friendly format enables quick and easy navigation to the key information required. Extensive use of summary tables, charts and graphs throughout the text. Helps simplify and clarify complex concepts and facilitates "at a glance comparisons between entities. Extensive reference list highlights landmark articles as well as including most up-to-date citations. Directs the trainee and practitioner to the most recent and authoritative sources for further reading and investigation

Pathology of Wildlife and Zoo Animals is a comprehensive resource that covers the pathology of wildlife and zoo species, including a wide scope of animals, disease types and geographic regions. It is the definitive book for students, biologists, scientists, physicians, veterinary clinicians and pathologists working with non-domestic species in a variety of settings. General chapters include information on performing necropsies, proper techniques to meet the specialized needs of forensic cases, laboratory diagnostics, and an introduction into basic principles of comparative clinical pathology. The taxon-based chapters provide information about disease in related groups of animals and include descriptions of gross and histologic lesions, pathogenesis and diagnostics. For each group of animals, notable, unique gross and microscopic anatomical features are provided to further assist the reader in deciding whether differences from the domestic animal paradigm are "normal." Additional online content, which includes text, images, and whole scanned glass slides of selected conditions, expands the published material resulting in a comprehensive approach to the topic. Presents a single resource for performing necropsies on a variety of taxa, including terrestrial and aquatic vertebrates and invertebrates Describes notable, unique gross and microscopic anatomical variations among species/taxa to assist in understanding normal features, in particular those that can be mistaken as being abnormal Provides consistent organization of chapters with descriptions of unique anatomic features, common non-infectious and infectious diseases following brief overviews of the taxonomic group Contains full-color, high quality illustrations of diseases Links to a large online library of scanned slides related to topics in the book that illustrate important histologic findings

This extensively revised second edition provides an up-to-date and highly informative textbook on psoriasis. The understanding of the mechanisms behind the disease and the available treatment options have continued to develop rapidly in recent times, with this vital resource covering the latest in these management options, including targeted T-cell therapy, the use of immunomodulators, systemic therapies, and ultraviolet and laser therapy. In addition, it provides a detailed overview of the pathophysiology, comorbidities, epidemiology and triggers of the disease. Advances in Psoriasis: A Multisystemic Guide extensively details the scientific basis and practice management of psoriasis. It is therefore a vital resource for practicing and trainee dermatologists looking to develop their clinical knowledge of how to manage and treat these patients.

The unquestioned leader in dermatopathology resources, Weedon's Skin Pathology returns with expanded and updated coverage in this specialized field of pathology. Offering an enhanced emphasis on differential diagnosis, new author Dr. James W. Patterson provides the most clinically relevant developments in molecular biology and techniques while maintaining Dr. Weedon's consistent, uniform approach to the subject. From practitioners and specialists to pathologists and dermatologists, this medical reference book is an essential addition to any dermatopathological library. Explore in-depth and updated topics covering clinically relevant developments in molecular biology and molecular techniques. Easily comprehend complex issues with improved illustrations focusing on rare conditions and unusual manifestations. Accurately interpret difficult specimens through an increased emphasis on differential diagnosis. Take advantage of expanded content in sections including Drug Reactions, Tumors, and

Infections and Infestations. Consult this title on your favorite e-reader.

Focusing on the aetiology, morphology and epidemiology of lesions that interfere with the normal human reproductive process, this book covers the pathologic basis of infertility - malformations, diseases of the embryo, abnormalities of implantation and the support system of the developing embryo.

This work covers effectively all aspects of drug-induced pathology that may be encountered within preclinical toxicity studies. It fills a gap in the pathology literature relating to the preclinical safety assessment of new medicines. It systematically describes, in one volume, both spontaneous and drug induced pathology on an organ by organ basis. Information relevant to understanding the nature of pathological changes in pre-clinical studies and assessment of their relevance to the clinical investigation of new drugs is also covered. Numerous colour photographs are included that highlight and embellish the histopathological features that are described. It also contains many pertinent references to both human and animal pathology forming an essential basis for the assessment of drug-induced pathology. NEW TO THE THIRD EDITION: * Covers drug induced pathology in preclinical (animal) studies and their relevance for patients or volunteers in clinical studies * General comments to each chapter about the relevance of pathological findings to humans * Provides essential information that can help decide the relevance of particular lesions for patients

The volume of endoscopic biopsies being performed continues to grow rapidly and they now represent one of the most common specimens encountered in routine surgical pathology practice. It is essential to maintain the balance between the speed and accuracy while integrating emerging sophisticated pathology techniques into endoscopic biopsies in routine practice. Microscopic appearance is virtually diagnostic of certain diseases. In others a diagnosis may be rendered only after correlating the microscopic pattern with clinical clues aided by ancillary tests. This text provides a guide to systematic approach of endoscopic biopsies to render a safe, quick and accurate pathological diagnosis in an integrated manner as well as important information that pathologists and clinicians should know to get the best value of endoscopic biopsies. The first chapter introduces the key microscopic features that are normal and abnormal in the gut mucosa as appreciated in an endoscopic biopsy. The second chapter presents a general overview highlighting the neoplastic and non-neoplastic patterns that are common to the entire tubular gut. Because some patterns are common to many sites, an overarching chapter gives the reader a generalized approach, which will be further refined in subsequent site specific chapters. The disease etiologies of each pattern are discussed, with emphasis placed on the most common causes that will be encountered in clinical practice. The subsequent chapters that follow then concentrate on patterns encountered at specific anatomical locations. Under each anatomical location (esophagus, stomach, small intestine and large intestine) site specific patterns of both neoplastic and non-neoplastic conditions are described. Conditions that affect many sites in the gastrointestinal tract are discussed in detail in the most relevant site chapter, but are referred to in other chapters as the reaction pattern/s they produce at that site is discussed. Ancillary tests that are required for a diagnosis of some diseases in particular neoplastic conditions are listed with tips for interpretation. This is presented mostly in a table format to assist day-to-day quick reference. In keeping with recent advances of using small biopsies for testing clinically relevant bio markers, important information that the pathologists and clinicians need to know is highlighted in appropriate sites. Authored by experts in the field, each chapter is presented under headings that include diagnostic features, patterns with relevant endoscopic and clinical clues, traps and overlapping features, and appropriate ancillary tests including clinically relevant molecular signatures in endoscopic biopsies.

In Ecotoxicology: A Hierarchical Treatment, 20 recognized experts from around the world identify and present the fundamental concepts of ecotoxicology at the biological level central to their own research. Superbly organized, the book proceeds sequentially by chapter from the chemical to cellular to the ecosystem level, making it easy to read, understand, and use. Specifically, each author identifies important hypotheses, paradigms, "false" paradigms, or new techniques in his or her research area. As a result, this book is a stimulating progressive treatment of ecotoxicology at all levels of organization. Each chapter draws mechanistic interpretation from the next lower level and attempts to predict effects at the next higher level. This innovative approach underscores ecotoxicology's potential for development into a new discipline and makes Ecotoxicology: A Hierarchical Treatment the definitive reference at this crucial juncture. Your go-to resource for effective, efficient board study! The 2nd Edition of Comprehensive Review in Clinical Neurology offers clear explanations of complex concepts in an easily understandable format – all while helping you digest large amounts of information quickly and easily. Retaining the popular format of the first edition, this updated guide features more than 1,000 comprehensive, multiple-choice questions covering every area of neurology you need to master. A combined perspective from residents and faculty, plus revisions to conform to the current exam blueprint, ensure that you'll make the most of your study time and will face no surprises on exam day.

Derived from the authors' long-running course presented at the International Academy of Pathology, this second edition, now with color illustrations, continues the tradition of its predecessor as being the concise and complete diagnostic guide to the endometrial biopsy. The text is structured so as to present a logical approach to formulating a pathologic diagnosis from the diverse array of tissue received in the surgical pathology laboratory. Color illustrations show typical artifacts and distortion, and explain their impact on diagnostic interpretation. Each chapter includes a section summarizing the features that must be discussed in the final pathology report.

The updated edition of Surgical Pathology of the GI Tract, Liver, Biliary Tract and Pancreas is designed to act as a one-stop medical reference book for the entire gastrointestinal system, providing exhaustive coverage and equipping you with all of the necessary tools to make a comprehensive diagnostic workup. You'll access thousands of high-quality illustrations and eight brand-new chapters, so you can recognize and diagnose any pathological slide you encounter. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Make a comprehensive diagnostic workup with data from ancillary techniques and molecular findings whenever appropriate. Effectively grasp complex topics and streamline decision-making by using extensive tables, graphs, and flowcharts. Avoid diagnostic errors thanks to practical advice on pitfalls in differential diagnosis. Navigate the book quickly with a "road map" featured at the beginning of each chapter. Provide the clinician with the most accurate and up-to-date diagnostic and prognostic indicators, including key molecular aspects of tumor pathology, with access to the latest classification and staging systems available. Evaluate diagnostically challenging cases using diagnostic algorithms. Stay abreast of the latest advances with eight new chapters: Autoimmune Disorders of the GI Tract; Drug Induced Disorders of the GI Tract; Molecular Diagnostics of Tubal Gut Neoplasms; Molecular Diagnostics of

the Gallbladder, Extrahepatic Biliary Tree, and Pancreatic Tumors; Tumors of the Ampulla; Molecular Diagnostics of Hepatocellular Neoplasms; Approach to the Liver Biopsy, and Approach to Gastrointestinal Tract Biopsies. Remain at the forefront of your field with coverage of new molecular and genetic markers in GI neoplasms; updated knowledge on liver and biliary tree pathology; and expanded information on tumors of the ampulla. Recognize and diagnose any tissue sample under the microscope with help from over 3000 high-quality color illustrations. Completely revised and updated third edition of Lee's Ophthalmic Histopathology, this well-illustrated and practically-oriented text has retained its general layout and style and division into specimen-based chapters. The visual image remains key to explaining the pathological processes - facilitated by full colour photography throughout the text. The text and illustrations are also provided as a searchable CD-ROM. The book emphasizes pertinent recent advances, particularly in the molecular basis of disease and in the diagnosis and classification of tumours. including improvements in immunohistochemistry and cytogenetic and molecular biological studies. This book is an invaluable source of reference for ophthalmic pathologists, general pathologists and ophthalmologists.

This book, which combines the features of an atlas and a textbook, presents findings in forensic histology, immunohistochemistry, and cytology based on microscopic investigations using different stainings and different antibodies. The principal aim is to provide practitioners with detailed information and guidance on how microscopy can help to clarify the cause of sudden and unexpected death. Many of the topics will be of interest not only to forensic pathologists but also to general pathologists, whether practitioners or researchers. Examples include the pathology of drug abuse, wound age determination, adverse drug reactions, histopathology of the sudden infant death syndrome, and age determination of myocardial infarction. Both typical and unusual findings are demonstrated with the aid of numerous high-quality color illustrations, and other key literature in forensic histology and immunohistochemistry is highlighted for each topic.

Offering the most comprehensive collection of head and neck pathology specimens available in one reference, Gnepp's Diagnostic Surgical Pathology of the Head and Neck, 3rd Edition, is a must-have resource for pathologists in training and practice. This abundantly illustrated volume covers both common and rare disease entities of the entire head and neck area, with particular emphasis on differential diagnosis and diagnostic problems and pitfalls. Detailed text and a highly visual format help you improve turnaround time when diagnosing a specimen and facilitate clear communication of prognosis and therapeutic management options to surgical/medical colleagues. Covers key topics such as molecular aspects of disease, especially in reference to targeted therapy and personalized medicine; the latest classification and staging systems for head and neck diseases and disorders; and immunohistochemical features that help ensure diagnostic accuracy. Discusses new diagnostic biomarkers and their utility in differential diagnosis, as well as newly described variants and new histologic entities. Includes a new chapter on eye pathology. Incorporates new criteria as established by the 2017 World Health Organization classification of Head and Neck tumors and the 2017 World Health Organization classification of Endocrine organ tumors. Provides clinicopathologic correlations throughout to give you all the information you need to formulate a complete diagnostic report. Features more than 1700 full-color illustrations that capture the pathologic appearance of the full range of common and rare neoplastic and non-neoplastic lesions.

This issue of Dermatologic Clinics, guest edited by Dr. Esther Freeman and Devon McMahon, will focus on COVID-19 and the Dermatologist. This issue is one of four selected each year by our series Consulting Editor, Dr. Bruce Thiers. Topics discussed in this issue include but are not limited to Covid-19 as it pertains to Dermatology Residency, Race in Dermatology, Dermatology Practice changes, Global Health Dermatology, Dermatologic Morphologies, Teledermatology, Dermatology Immunology, Occupational dermatology, Biologics, In-Patient Dermatology, Pediatric Dermatology, Registry Update, Dermatopathology, and Effect of COVID-19 on Delayed Skin Cancer Services. Provides in-depth, clinical reviews on COVID-19 and the Dermatologist, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Anatomy and endocrinology of cow reproduction. Puberty, oestrus and pregnancy. Measures of reproductive performance. Infertility in cows. The role of nutrition in cattle reproduction. Lactational anoestrus and the effect of weaning. Reproductive herd Health programmes.

A full-color atlas and text designed to help students and clinicians interpret basic histopathological findings Atlas of Histopathology delivers about 500 full-color microphotographs with detailed markings and annotations that illustrate and explain key aspects of systematic pathology. Features Provides a systematic approach to organ pathology Delivers a thorough review of microscopic pathology Teaches basic aspects of diagnostic histopathology Serves as an excellent pictorial supplement to standard pathology texts and reviews

Forensic and Clinical Forensic Autopsy: An Atlas and Handbook, Second Edition, provides a step-by-step, photo-assisted guide illustrating the complete autopsy, from pre-through post-autopsy procedures. All too often, forensic pathologists perform autopsies that are limited only to the body parts that are suspected, leading to biased and inaccurate results. A correct diagnosis for cause of death can only be reached by a strict and systematic examination of the whole body. The chapters of this book look at external cadaver examiner, organ removal methods, laboratory procedures, including recording and imaging techniques, microscopy applications, pediatric and fetal autopsies, and checking for genetic disease and DNA diagnosis. New chapters and sections to this edition cover histology and immunohistochemistry, in addition to the added coverage on forensic anthropology and molecular autopsy. Key Features: Includes new coverage of histology, immunohistochemistry, forensic anthropology, and molecular autopsy. Provides numerous case studies outlining the real-world best practice with over 550 full-color, detailed photographs illustrating concepts. Presents clear, step-by-step processes for

completing autopsies consistently and systematically. Details laboratory procedures, Forensic Applications of Microscopy, and new imaging techniques relative to standardized pre- and post-autopsy procedures. Utilizes a series of forensic case studies to demonstrate each technique described and the approach used. From macroscopic to microscopic approaches, Forensic and Clinical Forensic Autopsy, Second Edition, provides detailed guidelines for performance of autopsy on every part of the human body. Using these standardized protocols with the proper knowledge, training, and experience, pathologists – and students of pathology and forensic pathology – can rely on this book to help them develop the skills needed to become experts in their field.

Pathologic Myopia is a major cause of severe vision loss worldwide. The mechanisms for vision loss include cataract, glaucoma, retinal detachment, and above all, myopic maculopathy within the posterior staphyloma. The first edition of Pathologic Myopia is one of the only current books to specifically address this disease and discusses recent developments in imaging technologies and various approaches to treatments, such as laser photocoagulation, photodynamic therapy, pharmaco-therapeutic injections in the vitreous, and surgery. This new edition is a timely update to the standard reference in the field, with new chapters on advanced refractive error correction, genetics, developing a classification system, and special surgical approaches for pathologic myopia. Complete with even more high-quality color images and informative tables, this book is written and edited by leaders in the field and is geared towards ophthalmologists, including residents and fellows in training, glaucoma and cataract specialists, and vitreoretinal macula experts.

This book, "Histopathology-An Update" is a comprehensive book that deals with the latest advances in the field of histopathology. This book will be of help to pathologists, clinicians and researchers in the latest update in histopathology of various organs.

In Medicine of Australian Mammals, more than 30 experts present the most current information available on the medical management of all taxa of Australian native mammals. This comprehensive text is divided into two parts. The first includes chapters on general topics relevant to the medical management of captive and free-ranging Australian native mammals such as: veterinary considerations for the rescue, treatment, rehabilitation and release of wildlife; veterinary aspects of hand-rearing orphaned marsupials; marine mammal strandings and the role of the veterinarian; and wildlife health investigation and necropsy of Australian mammals. The second part covers the medicine of specific taxa of Australian native mammals. Detailed information on taxonomy, distribution, biology, anatomy, physiology, reproduction, husbandry, nutrition, physical and chemical restraint, clinical pathology, hand-rearing, diseases, zoonoses, therapeutics, reproductive management and surgery is included. This practical, one-source reference is complemented by detailed photographs and illustrations, as well as tables listing reproductive and physiological data, diets, haematology and biochemistry values, and drug formularies.

Appendices include a checklist of the mammals of Australia and its territories and a guide to the identification of common parasites of Australian mammals. Medicine of Australian Mammals is clinically oriented and is a must-have for veterinary clinicians, no matter how experienced. The book will also be of use to veterinary students, researchers, biologists, zoologists, wildlife carers and other wildlife professionals.

Virtually all aspects of the pathology in children are unique in pathogenesis and histogenesis from the moment of conception to adolescence whose range includes developmental anomalies to dysembryonic neoplasms. Stocker and Dehner's Pediatric Pathology provides encyclopedic but very usable coverage of this complex subspecialty, detailing all major aspects of the pathologic anatomy of childhood disorders ranging from chromosomal syndromes and infections to forensic pathology. Upholding the standard of excellence established in previous editions, this thoroughly updated Fifth Edition offers the in-depth, richly illustrated guidance you need to confidently evaluate and dependably report your findings.

Haschek and Rousseaux's Handbook of Toxicologic Pathology: Volume 1: Principles and Practice of Toxicologic Pathology is a key reference on the integration of structure and functional changes in tissues associated with the response to pharmaceuticals, chemicals and biologics. Volume 1 of the Fourth Edition covers the practice of toxicologic pathology in three parts: Principles of Toxicologic Pathology, Methods in Toxicologic Pathology, and the Practice of Toxicologic Pathology. Completely revised with a number of new chapters, Volume 1 of the Handbook of Toxicologic Pathology is an essential part of the most authoritative reference on toxicologic pathology for pathologists, toxicologists, research scientists, and regulators studying and making decisions on drugs, biologics, medical devices, and other chemicals, including agrochemicals and environmental contaminants. Provides new chapters on digital pathology, juvenile pathology, in vitro/in vivo correlation, big data technologies and in-depth discussion of timely topics in the area of toxicologic pathology Offers high-quality and trusted content in a multi-contributed work written by leading international authorities in all areas of toxicologic pathology Features hundreds of full-color images in both the print and electronic versions of the book to highlight difficult concepts with clear illustrations

This book offers a review of the normal histopathological anatomy, imaging techniques and diagnostic findings for a broad spectrum of clinical problems. It includes a classification of inflammatory syndromes previously described under several different terms. It is the first textbook to describe the imaging of all anterior chest wall disorders.

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