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Textbook of Head and Neck Pathology

Volume 1: Nose, Paranasal Sinuses, and Nasopharynx

The first of a multi-volume set, this textbook covers sinonasal and nasopharyngeal pathology. An ideal sign-out resource for head and neck pathology, it includes anatomy, staging, diagnostic, and prognostic information. Richly illustrated and well-structured, the easily accessible format includes glossaries, boxes of key points, and self-assessment questions at the end of each chapter. Nose, Paranasal Sinuses, and Nasopharynx: Textbook of Head and Neck Pathology: Volume 1 is aimed at trainees and practicing pathologists worldwide, and will also be of interest to oral pathologists and oral pathology trainees.

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Pathology of the Gastrointestinal Tract

This book covers the complete field of pathology of the Gastrointestinal tract - form Abetalipoproteinemia to Zollinger-Ellison Syndrome. The alphabetically arranged entries, each of which provides a detailed description of a specific pathological disease pattern, allow readers to quickly and easily find the information they need.

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Pathology of Opportunistic Infections

An Illustrative Atlas

This book presents the morphological details of various opportunistic pathogens for prompt identification, which is essential for the proper management of various bacterial, viral, fungal and parasitic infections encountered in immuno compromised patients. Over the past few decades, certain therapeutic advances - such as organ transplantation, prolonged use of steroids and other immunosuppressants for various diseases and chemo-radiotherapy for the treatment of malignant tumors - have, in addition to improving patient survival, also contributed to significant aberrations in the patients' host defense mechanisms. Further, due to compromised host resistance, certain clinical[...]

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Diagnostic Liquid-Based Cytology

Liquid-based cytology preparations are currently the standard of care for gynecological cytology, and are being increasingly used for non-gynecological cytology. Diagnostic Liquid-Based Cytology serves as a handy guide to diagnostic cytopathology on liquid-based preparations. The authors, renowned experts in the field, provide clear, concise, and practical diagnostic guidance. This handbook equips you to achieve accurate diagnosis of most commonly and uncommonly encountered diseases in exfoliative and aspirated tissue samples from various sites. The key cytopathological features of various diseases are described. The book is lavishly illustrated with dozens of color images that depict[...]

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Pathology of the Cervix

This is the third volume in the Essentials of Diagnostic Gynecological Pathology series sponsored by the British Association of Gynecological Pathologists. Focusing on cervical pathology, it provides an update on current diagnostic criteria, the use of biomarkers and specimen handling. It serves as a quick desktop reference facilitating accurate diagnosis, and also provides detailed descriptions and an exhaustive reference list for more in-depth study. Sections devoted to the changing landscape of cervical screening, current management and future directions are included. Standardized terminology, the biology of HPV-related pre-invasive disease, and the staging of early cervical[...]

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The Infected Eye

Clinical Practice and Pathological Principles

This book addresses the diagnosis and treatment of common ocular infections. Relevant pathological principles are described to provide a basis for the understanding of these disorders. The epidemiology of infection as a class of ocular disease and the pathological effects of infectious processes in tissue are dis-
cussed in introductory chapters. These fundamentals are explained and reinforced with tables and selected illustrations of tissue pathology. Further chapters by leading clinical specialists describe recommended approaches to infections of the eye and periorcular tissues as these conditions occur in adults and children. Illustrative tables and algorithms enhance the [...]

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A Practical Guide
This text presents serious challenges for trainees, clinicians, and practicing pathologists and cytopathologists due to the wide spectrum of diagnoses that may be seen in children and the lack of familiarity with these entities. This reference book has been designed as a practical, high-yield review of pediatric cytopathology. Key findings are highlighted and up-to-date information is provided on the diagnosis of pediatric lesions by cytology, with extensive guidance on differential diagnosis. The book includes tables and full-color images of the cytomorphology and ancillary studies, as well as pertinent histological correlation and guidance on technical issues. Pediatric [...]}

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support with diagnosis and treatment. The book is divided into seven main parts: genetic and developmental pathology of the testis; infertility; vascular pathology of the testis; inflammatory pathology; pathology of the rete testis and epididymis; pathology of the vaginal tunic and paratesticular structures; and a final part dealing with miscellaneous. Each chapter includes carefully selected figures and a variety of diagrams highlighting the main characteristics of a specific lesion to facilitate its diagnosis. Based on the [...]

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F.F. Nogales, R.E. Jimenez (Eds.)

**Pathology and Biology of Human Germ Cell Tumors**

This book provides, for the first time, a detailed, up-to-date, holistic approach to the pathology and biology of germ cell tumors. The main focus is the complex histopathology of these tumors, but special considerations are also given to their morphologic variations in relation to age, gender and organ. Critical updates are provided on terminology and classification; the discussion of biology and pathogenesis includes references to many molecular genetic and immunohistochemical findings from recent stem cell research. Individual chapters are devoted to germ cell tumors at different anatomic locations, including not only the ovaries and testes but also the mediastinum and central[...]

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J.A. Plaza, V.G. Prieto

**Pathology of Pigmented Skin Lesions**

This book offers a practical approach to the histologic analysis of a wide range of melanocytic skin lesions, including various nevi and different forms of melanoma, as well as pigmented non-melanocytic lesions. In addition, sentinel node biopsy findings and the use of special ancillary studies are covered in detail. Each chapter presents illustrative cases that document the route to correct diagnosis. An important feature of the book is the clinical-pathologic correlation of challenging melanocytic tumors; accordingly, it will appeal not only to pathologists (general surgical pathologists and dermatopathologists) but also to dermatologists (including dermatopathologists). The book[...]

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A.C. Roden, A.L. Moreira (Eds.)

**Mediastinal Lesions**

Diagnostic Pearls for Interpretation of Small Biopsies and Cytology

This book addresses the current concepts in tissue acquisition, diagnosis, and classification of mediastinal lesions in small biopsies including cytology. Examples of mediastinal diseases that are either more common, more challenging to diagnose, or have a differential diagnosis that is important and might require different modes of treatment are highlighted. The knowledge of some key morphologic features and immunohistochemical pitfalls will be helpful for the practicing pathologist to tackle this challenge. The general workup of a mediastinal biopsy and the workup of major disease groups in mediastinal pathology which the general pathologist should be familiar with is discussed.[...]

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G.N. Rutty (Ed.)

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Reviews, Updates, and Advances

This book covers topical subjects within the field of death investigation, where changes in practice have recently occurred. As the area of dating of wounds has changed since the subject was addressed in a previous volume, this subject is revisited for the first time. The remaining subjects covered in this volume embrace the multi-disciplinary approach required for death investigation, and address advances in the field of forensic radiology imaging, pathology, and toxicology. There is also a chapter on cardiopulmonary resuscitation which explains clinical processes and procedures that may occur to an individual immediately before death that may have a bearing on the subsequent autopsy[...]

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F.M. Sacerdoti, A. Giordano, C. Cavaliere (Eds.)

**Advanced Imaging Techniques in Clinical Pathology**

This text provides a comprehensive, state-of-the-art review of the application of image analysis focusing on the techniques which can be used in every biology
and medical laboratory to automate procedures of cell analysis and to create statistics very useful for a comprehension of cell growth dynamics and the effects of drugs on them. This textbook will serve as a very useful resource for physicians and researchers dealing with, and interested in, cell analysis. It will provide a concise yet comprehensive summary of the current status of the field that will help guide patient management and stimulate investigative efforts. All chapters are written by experts in their fields and [...] More on www.springer.com/978-1-4939-3467-6

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This book covers the complete field of Cytopathology - from cytological findings of Acinic cell carcinoma Disease to Warthin tumor. The alphabetically arranged entries, each of which provides a detailed description of a specific pathological disease pattern, allow readers to quickly and easily find the information they need. More on www.springer.com/978-3-319-33285-7

**Molecular Cytopathology**

This book reviews the current applications of molecular tools in cytopathology and provides a concise handbook for those who provide care in this era of personalized medicine. Specifically, the text provides a comprehensive and concise review of the emerging molecular tests available clinically in different subspecialties of diagnostic pathology. It reviews the current data of molecular testing already applied in cytopathology, discusses some of the biomarkers with potential utility in cytopathology in the near future and reviews the technical challenges in applying and validating molecular tools in liquid-based cytologic materials. Molecular Cytopathology will serve as a valuable [...] More on www.springer.com/978-3-319-30739-8