
Atlas of Anatomic Pathology

Series Editor

Liang Cheng
Indianapolis, Indiana
USA

This Atlas series is intended as a “first knowledge base” in the quest for diagnosis of usual and unusual diseases. Each atlas will offer the reader a quick reference guide for diagnosis and classification of a wide spectrum of benign, congenital, inflammatory, nonneoplastic, and neoplastic lesions in various organ systems. Normal and variations of “normal” histology will also be illustrated. Each atlas will focus on visual diagnostic criteria and differential diagnosis. It will be organized to provide quick access to images of lesions in specific organs or sites. Each atlas will adapt the well-known and widely accepted terminology, nomenclature, classification schemes, and staging algorithms. Each volume in this series will be authored by nationally and internationally recognized pathologists. Each volume will follow the same organizational structure. The first Section will include normal histology and normal variations. The second Section will cover congenital defects and malformations. The third Section will cover benign and inflammatory lesions. The fourth Section will cover benign tumors and benign mimickers of cancer. The last Section will cover malignant neoplasms. Special emphasis will be placed on normal histology, gross anatomy, and gross lesion appearances since these are generally lacking or inadequately illustrated in current textbooks. The detailed figure legends will concisely summarize the critical information and visual diagnostic criteria that the pathologist must recognize, understand, and accurately interpret to arrive at a correct diagnosis. This book series is intended chiefly for use by pathologists in training and practicing surgical pathologists in their daily practice. The atlas series will also be a useful resource for medical students, cytotechnologists, pathologist assistants, and other medical professionals with special interest in anatomic pathology. Trainees, students, and readers at all levels of expertise will learn, understand, and gain insights into the complexities of disease processes through this comprehensive resource. Macroscopic and histological images are aesthetically pleasing in many ways. This new series will serve as a virtual pathology museum for the edification of our readers.

More information about this series at <http://www.springer.com/series/10144>

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Atlas of Bone Marrow Pathology

 Springer

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Atlas of Anatomic Pathology

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Thank you, Chris, for your unwavering support and understanding.

Tracy I. George

To Carol, James, and William.

Daniel A. Arber

Series Preface

One Picture Is Worth Ten Thousand Words. (Frederick Barnard, 1927)

Remarkable progress has been made in anatomic and surgical pathology during the last 10 years. The ability of surgical pathologists to reach a definite diagnosis is now enhanced by immunohistochemical and molecular techniques. Many new clinically important histopathologic entities and variants have been described using these techniques. Established diagnostic entities are more fully defined for virtually every organ system. The emergence of personalized medicine has also created a paradigm shift in surgical pathology. Both promptness and precision are required of modern pathologists. Newer diagnostic tests in anatomic pathology, however, cannot benefit the patient unless the pathologist recognizes the lesion and requests the necessary special studies. An up-to-date atlas encompassing the full spectrum of benign and malignant lesions, their variants, and evidence-based diagnostic criteria for each organ system is needed. This atlas is not intended as a comprehensive source of detailed clinical information concerning the entities shown. Clinical and therapeutic guidelines are served admirably by a large number of excellent textbooks. This atlas, however, is intended as a “first knowledge base” in the quest for definitive and efficient diagnosis of both usual and unusual diseases.

The *Atlas of Anatomic Pathology* is presented to the reader as a quick reference guide for diagnosis and classification of benign, congenital, inflammatory, nonneoplastic, and neoplastic lesions organized by organ systems. Normal and variations of “normal” histology are illustrated for each organ. The atlas focuses on visual diagnostic criteria and differential diagnosis. The organization is intended to provide quick access to images and confirmatory tests for each specific organ or site. The atlas adopts the well-known and widely accepted terminology, nomenclature, classification schemes, and staging algorithms.

This book series is intended chiefly for use by pathologists in training and practicing surgical pathologists in their daily practice. It is also a useful resource for medical students, cyto-technologists, pathologist assistants, and other medical professionals with special interest in anatomic pathology. We hope that our trainees, students, and readers at all levels of expertise will learn, understand, and gain insight into the pathophysiology of disease processes through this comprehensive resource. Macroscopic and histological images are aesthetically pleasing in many ways. We hope that the new series will serve as a virtual pathology museum for the edification of our readers.

Indianapolis, IN, USA

Liang Cheng

Preface

We developed this atlas in order to provide a practical tool for the practicing pathologist and trainees in the field. Using experts in the field of diagnostic hematopathology, we have crafted individual chapters comprised of numerous high-quality images, useful tables, and diagrams that illustrate areas of diagnostic concern for pathologists, contrasting problem areas and morphologic mimics, as well as discussing the latest classification of neoplasms.

Our intent is not to create exhaustive, lengthy treatises on each disease entity. Instead, this atlas contains helpful hints from seasoned diagnosticians about how they approach an individual patient's biopsy and thus encompasses multiple modalities, from cytomorphology and histopathology to flow cytometry and genetic testing.

Key references are provided to help guide the reader and provide a starting point for further education. Our final result is an atlas of bone marrow pathology that can be used daily, from troubleshooting of difficult cases to recognition of unusual entities.

Please enjoy!

Albuquerque, NM, USA
Chicago, IL, USA

Tracy I. George
Daniel A. Arber

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