Preface

We are delighted to bring our readers this second edition of *Essentials of Anatomic Pathology*, which we have developed to cover the curriculum of anatomic pathology for a pathology residency training program. This second edition provides the readers with comprehensive, evidence-based practice information in an outline format that is clear and easy to follow. Although designed mainly for residents embarking on an exciting career, the presentation and level of detail are also ideal for the practicing pathologist who may wish to review a specific topic, as well as for medical students, cytotechnologists, pathologist assistants, and other medical professionals who have an active interest in anatomic pathology.

The successful organization of *Essentials of Anatomic Pathology* remains unchanged in this new edition. The book is divided into two main parts. Part I, General Pathology, covers general anatomic pathology, including Diagnostic Molecular Pathology, Human Genetic Disorders, Forensic Pathology, Diagnostic Electron Microscopy, Microbiology for the Surgical Pathologist, Transplantation Pathology, and Cytopathology. Part II, Organ Systems, considers the various organ systems and the multitude of diseases encountered in each. We have added seven new chapters to expand coverage to include such topics as Transplantation Pathology, Spleen, Non-Neoplastic Skin Diseases, Head and Neck, Eye and Ocular Adnexa, Vulva and Vagina, and Penis and Scrotum. Best of all, over 2000 images have been added to the text and color versions are easily accessible on the accompanying CD-ROM. The chapters have been revised extensively to incorporate both newly discovered diagnostic biomarkers and new tumor classification and staging information. Several chapters have been completely rewritten by new contributors. As before, each chapter is preceded by a detailed list of contents for easy reference.

It is our hope that this vastly expanded second edition of *Essentials of Anatomic Pathology* will serve as a frontline resource for pathology residents and practicing pathologists in this era of information and technology explosion. Our sincere thanks and gratitude go to each of the contributors who made this project possible. We would like to thank Ryan P. Christy from the Multimedia Education Division of the Department of Pathology at Indiana University, who has edited the digital images for this book. In addition, we are deeply grateful to the capable staff at Humana Press for their suggestions, help, patience, and encouragement during the preparation of this edition.

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The past decade has witnessed remarkable progress in surgical pathology. The ability of contemporary surgical pathologists to reach a definite diagnosis has been enhanced greatly by innovative immunohistochemical techniques and markers. The information that is useful for pathology practice may not be readily accessible in the daily signout. An up-to-date handbook that contains relevant information to establish an accurate diagnosis would be of great practical value. Therefore, we have concentrated on diagnostic criteria and differential diagnosis to ensure an accurate diagnosis.

The purpose of Essentials of Anatomic Pathology is to provide a concise review of anatomic pathology for pathologists in training and practicing pathologists, integrating recent advances in diagnostic surgical pathology. This book is organized to allow easy reference for daily practice. It will be a useful resource for medical students, as well as for anyone actively interested in pathology.

Part I covers general anatomic pathology, including diagnostic molecular pathology, medical cytogenetics, human genetic disorders, microbiology for surgical pathologists, forensic pathology, and cytopathology. Part II is classified by organ system and covers important diagnostic features of common diseases and tumors. The pertinent clinical information, salient diagnostic features, relevant ancillary data (for example, immunohistochemical profiles), main differential diagnoses of each disease, and most recent tumor-staging information are presented in a consistently user-friendly format. We believe that this format will provide easy access to essential information necessary for signout. It is not meant as a substitute for lavishly illustrated, comprehensive textbooks, but to complement them as a practical aid. We hope that this text will materially aid in continuing efforts to recognize, understand, and accurately interpret the gross and light microscopic findings in anatomic pathology specimens.

We earnestly solicit constructive criticism from colleagues so that the utility of this text can be expanded and improved to its maximum potential.

Liang Cheng, MD
David G. Bostwick, MD
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Color versions of the illustrations appearing in the book and the photomicrographs appearing in Chapter 4 may be found on the Companion CD attached to the inside back cover. The image files are organized into folders by chapter number and title and are viewable in most Web browsers. The CD is compatible with both Mac and PC operating systems.