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## Preface

Pathology is the study and diagnosis of disease, and pathologists traditionally were trained and involved in clinical diagnosis using morphologic examination of specimens and relevant clinical laboratory data. Advances in basic sciences and medicine over the last several decades have provided a deeper understanding of pathology and molecular mechanisms of human disease. These advances have also led to significant new developments in techniques and methodologies to aid in diagnosis. Today, practicing pathologists must have the ability to not only identify tissues and diagnose diseases by histopathology but also possess knowledge regarding tissue procurement, storage, and processing specimens for tests ranging from basic H&E staining to RNA extraction to tissue banking.

This volume is intended to provide a guide to some of the current issues in histopathology from an organ-based approach with specific and relevant protocols for morphologic and molecular examination. In addition, this volume discusses relevant pathological observations governing the therapeutic management of the diseases. We hope that this book will be a useful reference for pathologists, pathology residents, and fellows as well as the clinicians and scientists.

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