

Volume 5

**Advances in
Pathology and
Laboratory
Medicine**

**Weinstein • Graham
Anderson • Benson
Cotran • Fenoglio-Preiser
Zumwalt**

**Advances in Pathology and Laboratory
Medicine**
Volume 5

Volume 4

Pathologists and the Decline of the Autopsy, by *Robert E. Anderson and Rolla B. Hill*

Sudden, Unexpected, Nontraumatic Cardiac Death of the Young, by *Robert L. Hawley*

The Pathology of Cocaine Abuse, by *Roger E. Mittleman and Charles V. Wetli*

Testing in the Blood Bank, by *Brian Hjelle, Sally G. Swenson, and Toby L. Simon*

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Pathologic Diagnosis of Primary Pleural Neoplasms, by *Paul W. Biddinger*

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Multidrug Resistance Gene Product (P-Glycoprotein) in Normal Tissue and Tumors, by *Ronald S. Weinstein, Thomas M. Grogan, Jerome R. Kuszak, Shriram M. Jakate, Larry F. Kluskens, and John S. Coon*

Cytogenetic Aberrations in Malignant Soft Tissue Tumors, by *Jonathan A. Fletcher*

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Volume 5 • 1992

**M Mosby
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A Year Book Medical Publishers imprint of Mosby-Year Book, Inc.

Mosby-Year Book, Inc.

11830 Westline Industrial Drive

St. Louis, MO 63146

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Editorial Office:

Mosby-Year Book, Inc.

200 North LaSalle St.

Chicago, IL 60601

International Standard Serial Number: 1057-1256

International Standard Book Number: 0-8151-3397-9

Editor's Note

Volume 4 of *Advances in Pathology and Laboratory Medicine* included a chapter written by Robert E. Anderson, M.D. and Rolla B. Hill, M.D., entitled "Pathologists and the Decline of the Autopsy." The publisher has recently received correspondence voicing concerns that Drs. Anderson and Hill have made disparaging comments about international medical graduates (IMGs) in this chapter. The letters have been few, but I wish to acknowledge them and point out that it was never the intention of Drs. Anderson and Hill to impugn the reputation, character, or abilities of international medical graduates. Rather, I feel that their message was one of indignation at the mistreatment of some of these physicians at the hands of American pathologists. I regret that the article was susceptible to the alternative interpretation made by the correspondents. I would encourage readers to review *The Autopsy—Medical Practice and Public Policy*¹ for a more detailed discussion of the decline of the autopsy.²

Ronald S. Weinstein, M.D.
Editor-in-Chief

1. Hill RB, Anderson RE: *The Autopsy—Medical Practice and Public Policy*. Boston, Butterworths, 1988.

2. Weinstein RS: *The Autopsy—Medical Practice and Public Policy*. Hill RB, Anderson RE (book review). *Mod Pathol* 2:182–183, 1989.

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Publisher's Preface

We are pleased to welcome Ronald S. Weinstein, M.D., as the new Editor-in-Chief of *Advances in Pathology and Laboratory Medicine*. Dr. Weinstein served as Associate Editor for the first four volumes of the series. His talents and commitment to the series will help ensure the continuing quality of the series. We look forward to seeing *Advances in Pathology and Laboratory Medicine* evolve under his leadership through the 1990s.

Joining the Editorial Board as Associate Editor is Anna R. Graham, M.D., Professor of Pathology at the University of Arizona. Dr. Graham will work closely with Dr. Weinstein in editing each volume.

Mosby-Year Book bids farewell to Cecilia M. Fenoglio-Preiser, M.D., who served as Editor-in-Chief for the first four volumes and who remains on the Editorial Board for Volume 5, her last year. We thank her for her tenure as a guiding force on *Advances in Pathology and Laboratory Medicine*.

We also wish to introduce two esteemed individuals who will begin serving as editorial board members beginning with volume 6. As members of the Board, Leonard Jarett, M.D., and Mark R. Wick, M.D., will help edit and organize each volume. We are delighted to welcome them to the *Advances in Pathology and Laboratory Medicine* team.

Mosby-Year Book, Inc.

Preface

This is the fifth volume of *Advances in Pathology and Laboratory Medicine*. Our goal in this series is to publish, in a timely fashion, state of the art information relevant to medical practice. While pathologists are a primary target audience, all physicians who use laboratories will find an abundance of information in this volume that will benefit patient care, either now or in the future.

The Editorial Board understands that potential readers of this volume are confronted with a proliferation of scholarly journals that compete for the attention of busy practitioners. A challenge to the practitioner is to cull from the constant outpouring of new information and absorb what is necessary for their practices while anticipating future developments for planning purposes. Recognizing the magnitude of the problem professionals have keeping up to date with the literature, the Editorial Board tries to ease the burden by selecting topics that are relevant to laboratorians' professional activities. Moreover, we have selected authors who are both bona fide experts and good teachers. We have attempted to control the lengths of papers in an effort to insure that the chapters are readable within time frames that might be available to busy practitioners.

For this volume, we have expanded the number of chapters to 18 and have included some shorter chapters where appropriate. We have separated the chapters into three sections: "Laboratory Practice," "Basic Sciences and Technology Updates," and "Diagnostic Pathology" although for some chapters these designations are rather arbitrary since they may cover both diagnostic information and new or emerging technologies. Nevertheless, these divisions should serve as a guide to the reader who prefers to focus on updates in laboratory management rather than on future developments in laboratory practice or current or evolving concepts in diagnostic pathology. We hope that these distinctions will make the book more user friendly and will direct the reader to chapters on topics in areas of special interest.

The Editorial Board is committed to producing annuals in pathology and laboratory medicine that will be of value to a diverse group of practicing physicians. Many of the papers also will be of interest to residents and other trainees as well as to technical personnel in the laboratory.

Ronald S. Weinstein, M.D.
Editor-in-Chief

Advances in Pathology and Laboratory Medicine

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Volume 2

- Diagnostic Methods in Human Immunodeficiency Virus Infection, by *Gregory T. Spear, Harold A. Kessler, and Alan L. Landay*
- Pathology of Human Asbestosis: A Critical Review, by *Victor L. Roggli*
- Forensic Toxicology: Drugs-of-Abuse Testing, by *Jim Standefer*
- Toward an Understanding of Discrepancies Between Premortem and Postmortem Diagnoses, by *Robert E. Anderson and Rolla B. Hill*
- The Diagnosis of Human Tumors by Immunohistochemistry, by *Margaret B. Listrom*
- Genes and Chromosomes in the Pathogenesis and Prognosis of Human Cancers, by *Jorge J. Yunis*
- Genetic Probes in the Diagnostic Laboratory Part I: Concepts and Techniques, by *Cecilia M. Fenoglio-Preiser*
- Carbon 13 and Proton Nuclear Magnetic Resonance Spectroscopy and Microscopy of Neoplasms, by *Karen R. Halliday, Laurel O. Sillerud, and Cecilia M. Fenoglio-Preiser*

Volume 3

- Genetic Probes in the Diagnostic Laboratory Part II: Molecular Hybridization in Diagnosis of Bacterial Infections, by *Toby L. Merlin and Cecilia M. Fenoglio-Preiser*
- The Molecular Genetics of the Immunoglobulin and T-Cell Receptors: Applications in Diagnostic Hematopathology, by *Curtis A. Hanson and Charles W. Ross*
- Steroid Hormone Receptors: An Evolving Model System That Modulates Breast Cancer Cell Replication, by *David F.C. Gibson, Douglas M. Wolf, and V. Craig Jordan*
- Lung Cancer: Changing Concepts, by *John G. Gruhn, George Koukoulis, James A. Radosevich, and Steven T. Rosen*
- Progress in Resolving Diagnostic, Etiogenetic, and Therapeutic Issues in Myocarditis, by *Bruce M. McManus*
- Pathology of Cardiac Transplantation, by *Henry Dale Tazelaar*
- Dating of Healing Rib Fractures in Fatal Child Abuse, by *Ross E. Zumwalt and A.M. Fanizza-Orphanos*
- Clinical Decision Making and Laboratory Use, by *M. Desmond Burke*
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