

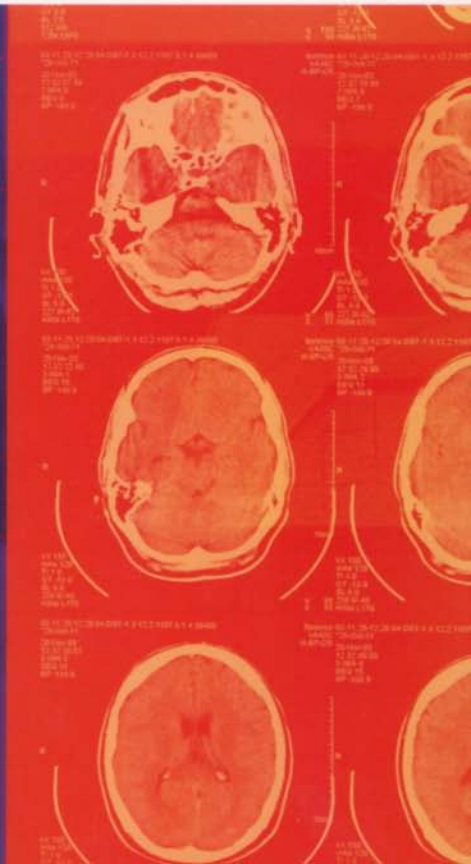


RADIOGRAPHIC PATHOLOGY

for TECHNOLOGISTS

F I F T H E D I T I O N

Nina Kowalczyk
James D. Mace



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F I F T H E D I T I O N

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PREFACE

The fifth edition of *Radiographic Pathology for Technologists* has been thoroughly updated and revised to offer students and medical imaging professionals information on the pathologic appearance of common diseases in a variety of diagnostic imaging modalities. It also presents basic information on the pathologic process, signs and symptoms, diagnosis, and prognosis of the various diseases.

The fifth edition includes the latest information concerning recent advances in genetic and molecular medicine and up-to-date imaging modalities used in daily practice. The authors have attempted to present this material in a succinct but reasonably complete fashion to meet the needs of professionals in various imaging specialties. With each new edition, the authors have also expanded the scope of the material covered in the text to provide the reader with a broader base of knowledge.

NEW TO THIS EDITION

- The chapter order and arrangement have been changed to accommodate the general revision of existing material.
- A new chapter on pathologies of the endocrine system has been added.
- Over 50 new illustrations have been added to complement new, updated, or expanded material.
- Web address information for the most current statistics has replaced some of the tables from the fourth edition, and other tables have been updated to reflect the most current data.
- Information on the human genome project has been updated in Chapter 1.
- Several new terms have been added to the glossary, and other definitions have been expanded or updated.

LEARNING ENHANCEMENTS

- Each chapter begins with an outline, followed by key terms and learning objectives.
- Chapter content is followed by a summary table, general discussion questions, and multiple-choice review questions, all of which can be used by the reader to assess acquired knowledge or by the instructor to stimulate discussion.
- Bold print has been used to focus the reader's attention on the key terms in each chapter, which are defined in the glossary at the end of the book along with other relevant terms.

USING THE BOOK

The presentation of the fifth edition presumes that the reader has some background in human anatomy and physiology, imaging procedures, and medical and imaging terminology. The reader may build on this knowledge by assimilating information presented in this text.

To facilitate a working knowledge of the principles of radiologic pathology, study materials presented in the fifth edition remain sophisticated enough to be true to the complexity of the subject yet simple and concise enough to permit comprehension by all readers. For student radiographers, sonographers, and nuclear medicine technologists, this text is best used in conjunction with formal instruction from a qualified instructor. The practicing imaging professional may use this book as a self-teaching instrument to broaden and reinforce existing knowledge of the subject matter and also as a means to acquaint himself or herself with changing concepts and new material. The book can serve as a resource for continuing education because it provides an extensive range of information.

ANCILLARIES

Evolve Resources

Evolve is an interactive learning environment designed to work in coordination with *Radiographic Pathology for Technologists*. Included on the Evolve website are instructor resources including key terms, chapter objectives, instructional chapter outlines, suggested activities, general discussion questions, a test bank in ExamView containing approximately 800 questions, an electronic images collection consisting of images from the textbook, and a PowerPoint presentation. Instructors may use Evolve to provide an Internet-based course component that reinforces and expands the concepts presented in class. Evolve may be used to publish the class syllabus, outlines, and lecture notes; set up “virtual office hours” and e-mail communication; share important dates and information through the online class calendar; and encourage student participation through chat rooms and discussion boards. Evolve also allows instructors to post examinations and manage their grade books online. Interactive learning applications, including crossword puzzles and word search puzzles, are included for students so they can further explore the content of the text and improve their confidence in the knowledge they will gain as they progress through the book. For more information, visit <http://evolve.elsevier.com/Kowalczyk/pathology/> or contact an Elsevier sales representative.

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Nina Kowalczyk

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