

Nuclear Medicine and PET/CT: Technology and Techniques, 8e

By Kristen M. Waterstram-Rich MS CNMT NCT FSNMTS, David Gilmore

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Master the latest imaging procedures and technologies in Nuclear Medicine! **Medicine and PET/CT: Technology and Techniques, 8th Edition** provides comprehensive, state-of-the-art information on all aspects of nuclear medicine. Coverage of body systems includes anatomy and physiology along with details on how to perform and interpret related diagnostic procedures. The leading technologies ? SPECT, PET, CT, MRI, and PET/CT ? are presented, and radiation safety and patient care are emphasized. Edited by nuclear imaging and PET/CT educator Kristen M. Waterstram-Rich and written by a team of expert contributors, this reference features new information on conducting research and managing clinical trials.

- Complete coverage of nuclear medicine eliminates the need to search for information in other sources.
- **Foundations chapters** cover basic math, statistics, physics and instrumentation, computers, lab science, radiochemistry, and pharmacology, allowing you to understand how and why procedures are performed.
- **PET/CT focus with hybrid PET/CT studies** provides information that is especially beneficial to working technologists.
- **Accessible writing style and approach to basic science subjects** simplifies topics, first introducing fundamentals and progressing to more complex concepts.
- **Procedure boxes** provide step-by-step instructions for clinical procedures and protocols, so you can perform each with confidence.
- **CT Physics and Instrumentation chapter** provides the knowledge needed for clinical success by introducing CT as it is applied to PET imaging for combined PET/CT studies.
- **Key terms, chapter outlines, learning objectives, and suggested readings** help you organize your study.
- **Table of Radionuclides** used in nuclear medicine and PET is provided in the appendix for quick reference.
- **More than 50 practice problems** in the *Mathematic and Statistics* chapter let you brush up on basic math skills, with answers provided in the back of the

book.

- **12-page, full-color insert** includes clear PET/CT scans showing realistic scans found in practice.
- **A glossary** provides definitions of key terms and important concepts.
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