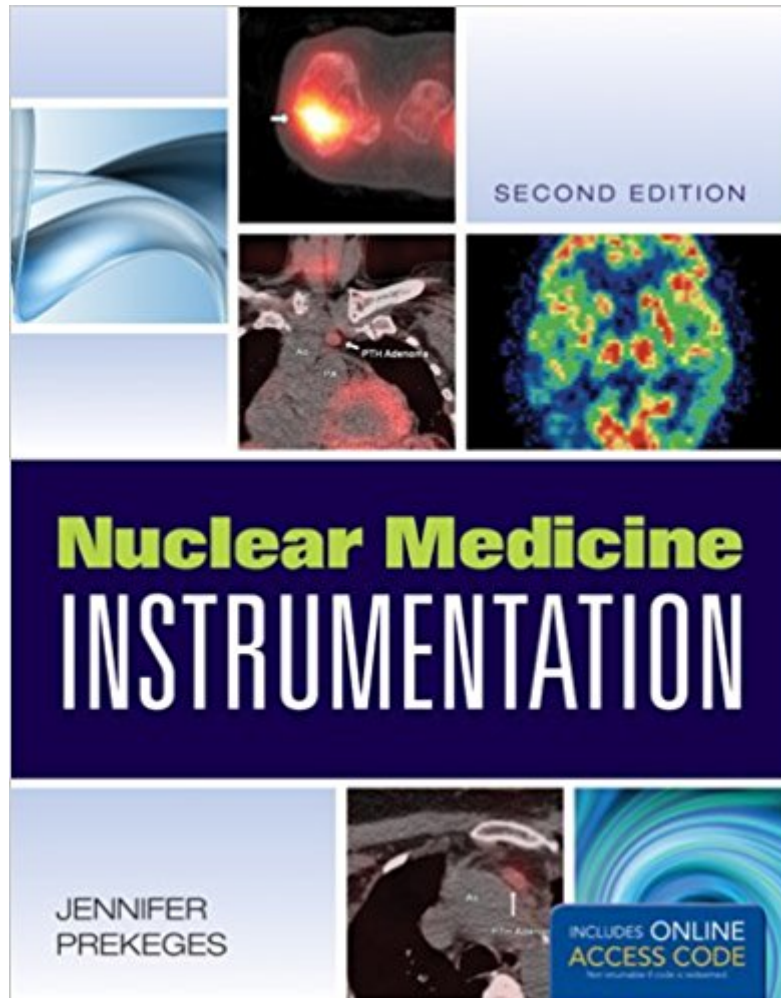




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Nuclear Medicine Instrumentation



Synopsis

Nuclear Medicine Instrumentation, Second Edition is included in the 2015 edition of the essential collection of Doody's Core Titles. A comprehensive guide to the practical aspects of nuclear medicine instruments, Nuclear Medicine Instrumentation, Second Edition prepares students to become skilled technologists. This informative reference covers nuclear medicine instruments from simple radiation detectors to complex positron emission tomography (PET) scanners, focusing on the operation of the most commonly used instruments and issues that arise in their use.

Designed to enable students to perform high-quality imaging, Nuclear Medicine Instrumentation, Second Edition emphasizes quality control, explaining how instruments can fail and how to improve the images obtained. The text includes more than 400 photographs, tables and illustrations, as well as sample calculations. New to the Second Edition

- Reflects the latest developments in nuclear medicine with supporting data
- A NEW chapter on magnetic resonance imaging and its application in nuclear medicine
- A NEW appendix on laboratory accreditation
- Inclusion of new imaging instruments
- Extensive revisions and new illustrations to enhance understanding of instruments and their application

Key Features

- Provides a comprehensive overview of major nuclear medicine instruments
- Explains how to use instruments to produce high-quality images
- Emphasizes quality control and ways to improve images
- Features sample calculations and definitions of useful terms
- Contains tables on troubleshooting small instruments and improving planar and SPECT images
- Includes appendices with helpful information about nuclear medicine
- A NEW Glossary of Key Terms

Each new print textbook is also accompanied by an access code for the Student Companion Website. Visit <http://go.jblearning.com/NucMedCWS> to learn more. Please note: Electronic formats and ebooks do not include access to the companion website.

Instructor Resources: Image Bank, PowerPoint Presentations, and a Test Bank

Student Resources: A Companion Website, including: Crossword Puzzles, Interactive Flashcards, Interactive Glossary, Matching Exercises, Web Links

Book Information

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Customer Reviews

The author states that this book was intended for nuclear medicine technologists for a more thorough understanding of nuclear medicine instrumentation. I initially thought this book was too superficial for my study needs in preparing for a nuclear medicine physics exam but changed my mind once I took a closer look. The information is actually pretty comprehensive for nuclear medicine and no less in depth than *The Essential Physics of Medical Imaging* by Bushberg. If you need nuclear medicine AND radiology, then Bushberg would be the better choice for an overall review. Both books are lacking some of the mathematical background you would find in other books such as *Physics in Nuclear Medicine* by Cherry, Sorenson and Phelps or *Radiation Detection and Measurement* by Knoll. Something I really like about this book is that it presents clinical nuclear medicine information regarding image processing and the use of filters, along with several images. The appendices also provide deeper explanations on some of the topics for those who need and/or want that. This book is easy to read and provides a lot of useful information, however, you will need other heavy duty references if your intent is to study at a higher level.

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