

Features:

- **Comprehensive coverage of nuclear medicine and molecular imaging** makes this a complete resource.
- **Accessible writing style** simplifies topics, first introducing fundamentals and progressing to more complex concepts.
- **Procedure boxes** provide step-by-step instructions for clinical procedures and protocols so they can be performed with confidence.

New To This Edition:

- **NEW! Full-color design** provides clear and realistic examples of PET/CT scans seen in practice.
- **NEW! Expanded content on radiopharmacy** reflects current practice.
- **NEW! Coverage of new technologies** explores emerging topics related to therapeutics, MRI, and the growth of PET/CT due to the increased use of radiopharmaceuticals for diagnosis and treatment.

Περιεχόμενα:

1. Mathematics and Statistics
2. Basic Science
3. General Chemistry and Biochemistry
4. Radiochemistry and Radiopharmacology
5. Radiation Safety
6. Patient Care
7. Department Management: Administration and Research
8. Health Informatics in Imaging
9. Physics of Nuclear Medicine
10. Instrumentation
11. CT Physics and Instrumentation
12. PET Instrumentation
13. Principles of Magnetic Resonance Imaging
14. Central Nervous System
15. Endocrine System
16. Respiratory System
17. Cardiovascular System
18. Gastrointestinal System
19. Genitourinary System
20. Skeletal System
21. Clinical PET/CT in Oncology
22. Theranostics
23. Supplementary Procedures: Imaging for Breast/Lymph Nodes/Esohagus/Salivary/Inflammation/Testicular/and the C-14 Breath Test

Appendix A: Percentage Points and Chi Square Distribution

Appendix B: Radionuclides and Radiopharmaceutical Form Used in Clinical Nuclear Medicine

Appendix C: Glossary

Appendix D: Answers to Chapter 1 Mathematics and Statistics Review