

Features:

- **Expanded and updated career content** addresses professional development and advancement.
- Patient care content includes information on **biomechanics and ergonomics of the radiologic and imaging sciences professional**.
- **Information management coverage provides an overview of health informatics** for the radiologic and imaging sciences professional.
- **Step-by-step procedures presented in boxed lists throughout the text** supply you with easy-to-follow steps for clinical success.
- **Back-of-book review questions and questions to ponder** provide opportunities for further review and greater challenge.
- **More than 300 photos and line drawings** help you understand and visualize patient-care procedures.
- **Strong pedagogy, including chapter objectives, key terms, outlines, and summaries** organize information and ensure you understand what is most important in every chapter.

New To This Edition:

- NEW! Comprehensive coverage encompasses the **greater breadth and depth of all primary modalities** of the radiologic and imaging sciences as they relate to patient care.

Περιεχόμενα:**PART I The Profession of Radiologic and Imaging Sciences**

- 1 Introduction to Radiologic and Imaging Sciences
- 2 Professional Organizations, Development, and Advancement
- 3 Educational Survival Skills
- 4 Critical-Thinking and Problem-Solving Strategies

PART II Introduction to the Clinical Environment

- 5 Introduction to Clinical Education
- 6 Radiology Administration
- 7 Radiographic Imaging
- 8 Medical Imaging Equipment
- 9 Basic Radiation Protection and Radiobiology
- 10 Human Diversity

PART III Patient Care

- 11 Patient Interactions
- 12 History Taking
- 13 Biomechanics and Ergonomics
- 14 Immobilization Techniques
- 15 Vital Signs, Oxygen, Chest Tubes, and Lines
- 16 Basic Cardiac Monitoring: The Electrocardiogram
- 17 Infection Control
- 18 Aseptic Techniques
- 19 Nonaseptic Techniques
- 20 Medical Emergencies
- 21 Pharmacology
- 22 Principles of Drug Administration
- 23 Contrast Media and Introduction to Radiopharmaceuticals

PART IV Ethical and Legal Issues

- 24 Professional Ethics for Medical Imaging Personnel
 - 25 Health Informatics and Information Management
 - 26 Medical Law
- Appendix A: The ASRT Practice Standards for Medical Imaging and Radiation Therapy
Appendix B: Professional Organizations
Appendix C: Code of Ethics

Appendix D: Code of Ethics for the Profession of Diagnostic Medical Sonography
Appendix E: Commonly Used Drugs by Brand and Generic Names
Review Questions
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