

Χαρακτηριστικά:

- Recent advances in SRS, SBRT, proton therapy, and immunotherapy
- New chapters on adaptive radiotherapy, and artificial intelligence in radiation therapy
- IMRT and IGRT techniques are covered in depth in all clinical chapters
- Latest landmark studies provide evidence-based rationale for recommended treatments
- Radiation treatment toxicity and its management

Περιεχόμενα:**Part I: Basic Science of Radiation Oncology**

1. Radiation Physics, Dosimetry, and Treatment Planning
2. Radiation Protection and Safety
3. Radiation Biology
4. Molecular Cancer Biology

Part II: Techniques and Modalities of Radiation Oncology

5. Brachytherapy
6. Intensity Modulated and Image Guided Radiation Therapy
7. Stereotactic Radiation: Cranial Lesions
8. Stereotactic Body Radiation Therapy: Lung Cancers
9. Proton Radiation Therapy
10. Adaptive Radiotherapy
11. Artificial Intelligence in Radiation Therapy
12. Immunotherapy
13. Radiation and Combined Modality Therapy
14. Statistical Consideration in Radiation Therapy

Part III: Clinical Radiation Oncology

15. Skin Cancers
16. Primary Brain Cancers
17. Head and Neck Cancers
18. Breast Cancers
19. Thoracic Cancers
20. Gastrointestinal Cancers
21. Genitourinary Cancers
22. Gynecological Cancers
23. Lymphoma and Hematologic Cancers
24. Soft-Tissue Sarcomas
25. Pediatric Cancers
26. Benign Tumors

Part IV: Palliative Care and Radiation Treatment Toxicity Management

27. Radiation Emergencies and Common Indications for Palliative Radiotherapy
28. Radiation Treatment Toxicity and their Management