

Notable Changes

Considerations:

1. This list is not reflective of every revision.
 2. Revisions were decided carefully through extensive workgroup discussion.
 3. Numerical values of content sections won't always align among the current revised/ adopted document and the historical version.
- **Clinical Practice**
 - Added: II. Diversity, equity, and inclusion
 - Deleted: III. Patient Assessment, Care and Education (covered in Patient Care)
 - Added: IV. CT and MRI Simulation, D. Patient and machine monitoring, 2. MRI patient considerations, E. Patient positioning and immobilization
 - **Ethics in Radiation Therapy Practice**
 - Revised: III. Ethical Decision-making in Health Care Dilemmas, G. End-of-life issues, 5. Euthanasia Physician-assisted Suicide to “Voluntary assisted dying.”
 - **Imaging and Processing in Radiation Oncology**
 - Complete revision: I. Basic Principles of Digital Imaging, B. Digital receptors
 - Used to revise previous content area: I. Basic Principles of Digital Imaging, D. Dynamic range and latitude
 - Added: "V. Magnetic Resonance Imaging (MRI) Equipment in Radiation Oncology, VI. Positron Emission Equipment (PET), VIII. Image Informatics
 - **Medical Terminology**
 - Deleted full content section on prerequisite basis. Moved to Patient Care as II. Medical Terminology A. Word building process B. Medical abbreviations and symbols
 - Programs can expand on this in a manner best suited for the individual institution
 - **Orientation to Radiation Therapy**
 - Deleted: Preexisting sub content for IV. Introduction to Radiation Therapy Practice, D. Radiation therapy treatment techniques
 - Deleted: V. Insurance and Billing, VI. Human Resources, VII. Departmental Budget
 - **Principles and Practice of Radiation Therapy I**
 - Revised: IV. Radiation Therapy Equipment, A. Simulators, B. Imaging devices
 - Revised: IV. Radiation Therapy Equipment, C. External beam
 - Deleted: Sub content for IV. Radiation Therapy Equipment, C. External beam, 2. Megavoltage, b. Specialized units, 6) Proton cyclotrons/synchrotrons, i) MR linac cobalt
 - Deleted: Sub content for IV. Radiation Therapy Equipment, D. Brachytherapy, 1. Purpose, 2. Types, 3. Isotopes, 4. Half-life, 5. Radiation protection, 6. Emergency procedures
 - Deleted:
 - IV. Radiation Therapy Equipment, E. Emerging technologies for patient treatment setup and localization
 - V. Treatment Delivery Accessories, A. Beam modification devices, 3. Types, b. Bolus types

- V. Treatment Delivery Accessories, B. Patient positioning and immobilization devices, 2. Positioning, 3. Immobilization
 - V. Treatment Delivery Accessories, 4. Beam shaping, f. Other
- **Radiation Therapy Quality Management, Quality Assurance, Safety and Operations**
 - Now referencing TG- and other reports at top of content section
 - <https://www.aapm.org/pubs/reports/tabular.asp>
 - <https://www.aapm.org/pubs/MPPG/>
 - <https://www.acr.org/Clinical-Resources/Practice-Parameters-and-Technical-Standards>
- **Radiation Physics**
 - Substantial revisions to entire section
- **Magnetic Resonance Imaging**
 - Basic MR concepts were moved to Core Content
 - MR curriculum document link included in outline
- **Radiation Therapy Patient Care**
 - Deleted:
 - VII. Patient Examination, A. Initial assessment, B. Records, C. General physical examination, D. Selected examinations/purpose and procedure, E. Selected procedures F. Equipment/instruments,
 - VIII. Health Safety, D. Asepsis
 - IX. Medications and Their Administration, B. Medication information, C. Medication administration
- **Radiation Therapy Physics**
 - Section fully revised as a compilation of preexisting from “Radiation Physics.”
 - Hybrid section combined with content from Treatment Planning content area: IV. Radiation Therapy Treatment Units (External Teletherapy), B. Equipment in current use 3. Particle beams
- **Treatment Planning**
 - Moved to Radiation Therapy Physics: XV. Emerging Treatment Methods and Planning
- **Optional Content**
 - New content area: Artificial Intelligence
 - Additional Magnetic Resonance Imaging Content
 - More complex topics of MR imaging for programs that wish to include this in their institution’s curriculum
- **Resources**
 - Updated to include current references when available