1. Record Nr. UNINA9910791788303321

| | |
|---|---|
| Titolo | Quality and safety in radiotherapy / / edited by Todd Pawlicki. [et al.] |
| Pubbl/distr/stampa | Boca Raton : , : CRC Press/Taylor & Francis, , 2011 |
| ISBN | 0-429-19294-0<br>1-4398-0437-0 |
| Descrizione fisica | 1 online resource (632 p.) |
| Collana | Imaging in medical diagnosis and therapy |
| Altri autori (Persone) | PawlickiTodd |
| Disciplina | 615.8/42 |
| Soggetti | Radiotherapy - Safety measures<br>Radiotherapy - Quality control |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | A Taylor & Francis book. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Front cover; Contents; Series Preface; Preface; Acknowledgments; Contributors; Section I. Quality Management and Improvement; Chapter 1. Perspective on Quality and Safety in Radiotherapy; Chapter 2. Quality as Viewed and Lived by the Patient; Chapter 3. Quality Management: An Overview; Chapter 4. Quality Management: Radiotherapy; Chapter 5. Development and Operation of a Quality Management Program: A Case Study; Chapter 6. Methodologies for Quality Improvement; Chapter 7. Lean Thinking and Quality Improvement; Chapter 8. Process Control and Quality Improvement<br>Chapter 9. Access to Care: Perspectives from a Private Healthcare EnvironmentChapter 10. Access to Care: Perspectives from a Public Healthcare Environment; Chapter 11. Cost of Quality: Health Technology Assessment; Chapter 12. Past, Present, and Future of Quality in Radiotherapy; Chapter 13. Past, Present, and Future of Quality in Radiotherapy Physics; Section II. Patient Safety and Managing Error; Chapter 14. Issues in Patient Safety; Chapter 15. Overview of Risk Management; Chapter 16. Tools for Risk Management; Chapter 17. Error and Near-Miss Reporting: View from Europe<br>Chapter 18. Error and Near-Miss Reporting: View from North AmericaChapter 19. The Impact of Cultural Biases on Safety; Chapter 20. Primer on High Reliability Organizing; Chapter 21. Errors in Patient Information Flow; Chapter 22. Identifying and Reducing Risk; Chapter 23. New Paradigm for Quality Management in Radiation Therapy Based |

on Risk Analysis; Chapter 24. Risk Analysis and Control for Brachytherapy Treatments; Section III. Methods to Assure and Improve Quality; Chapter 25. Medical Indicators of Quality: Terminology and Examples
Chapter 26. Medical Indicators of Quality: Structure, Process, and OutcomeChapter 27. Role of Quality Audits: View from North America; Chapter 28. Role of Quality Audits: View from the IAEA; Chapter 29. Peer Review: Physician's View from Australia; Chapter 30. Peer Review: Physicist's View fromNorth America; Chapter 31. Overview of Credentialing and Certification; Chapter 32. Approach to Radiation Oncology Practice Accreditation; Chapter 33. Clinical Trials: Credentialing; Chapter 34. Clinical Trials: Quality Assurance; Chapter 35. Vendor's Role in Quality Improvement
Chapter IV. People and QualityChapter 36. Role of Leadership; Chapter 37. Human Factors Engineering: Overview; Chapter 38. Human Factors Engineering: Radiotherapy Application; Chapter 39. Human Factors Engineering: Case Study; Chapter 40. Changing Role of the Radiation Oncologist; Chapter 41. Changing Role of the Medical Physicist; Chapter 42. Staffing for Quality: Overview; Chapter 43. Staffing for Quality: Physics; Chapter 44. Role of Training; Chapter 45. Practical Aspects of Training; Section V. Quality Assurance in Radiotherapy; Chapter 46. CT Simulation
Chapter 47. MRI and MRS Simulation

Sommario/riassunto

The first text to focus solely on quality and safety in radiotherapy, this work encompasses not only traditional, more technically oriented, quality assurance activities, but also general approaches of quality and safety. It includes contributions from experts both inside and outside the field to present a global view. The task of assuring quality is no longer viewed solely as a technical, equipment-dependent endeavor. Instead, it is now recognized as depending on both the processes and the people delivering the service. Divided into seven broad categories, the text covers:<E