Quality and Safety in Radiotherapy (Imaging in Medical Diagnosis and Therapy)

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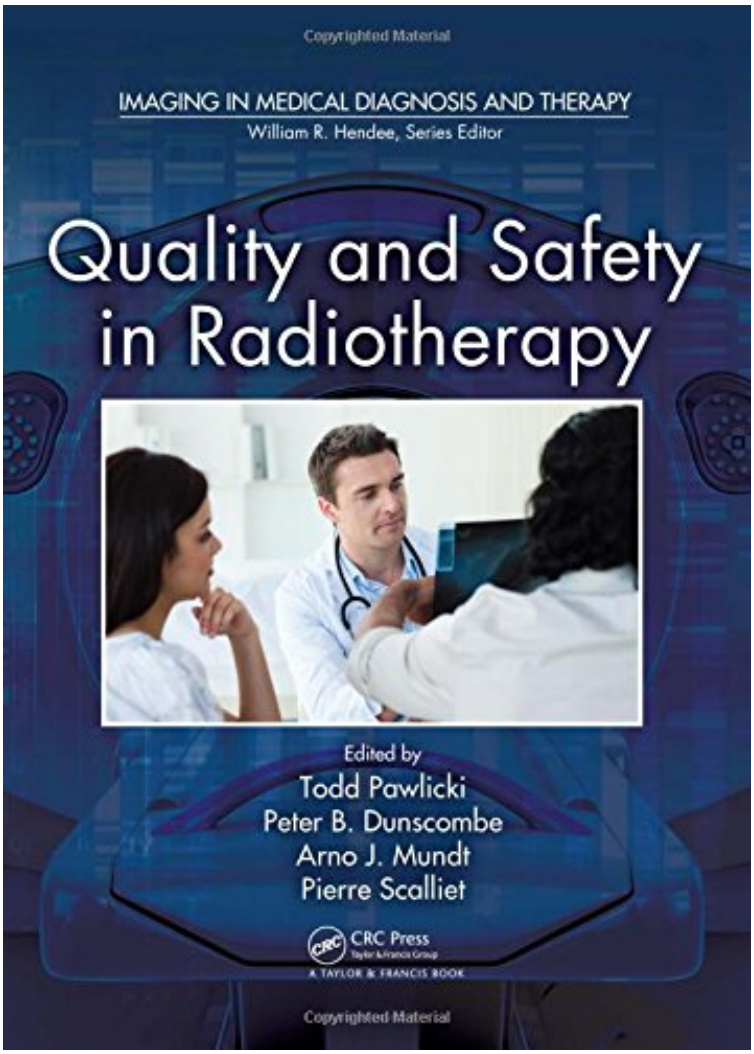

#2392424 in Books 2010-12-20Original language:EnglishPDF # 1 10.90 x 1.60 x 8.40l, 3.66 #File Name: 1439804362643 pages | File size: 57.Mb

From CRC Press : Quality and Safety in Radiotherapy (Imaging in Medical Diagnosis and Therapy) before purchasing it in order to gage whether or not it would be worth my time, and all praised Quality and Safety in Radiotherapy (Imaging in Medical Diagnosis and Therapy):

0 of 1 people found the following review helpful. a comprehensive reviewBy L. Han"Readers will come away with an understanding of the basic concepts of quality management process control and risk management, as well as an overview of quality assurance for nearly every treatment-related system used in radiotherapy. The short, focused chapters...provide a comprehensive review without being overwhelming. Because of its comprehensive nature,

students as well as seasoned radiation therapy will find this book useful. Physicists relatively new to the field will find the QA sections at the end of the book to be an excellent overview of the range of QA procedures one can encounter in radiation therapy. Administrators may be surprised to see the wide range of treatment and imaging devices that require QA by medical physicists as well as the extensive set of tests that need to be done. I was especially interested in the first four sections on radiotherapy applications for patient safety, FMEA, human factors engineering, process improvement, and errors near miss reporting." Review for Doody's by Arthur Olch, PhD, FAAPM, Children's Hospital Los Angeles0 of 0 people found the following review helpful. an excellent resourceBy BookEditor_lh"the contents and layout are excellent" -Professor Eric E. Klein, Washington University School of MedicineSee also: Adaptive Radiation Therapy (Imaging in Medical Diagnosis and Therapy)

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: Quality Management and Improvement includes discussions about lean thinking, process control, and access to services. Patient Safety and Managing Error looks at reactive and prospective error management techniques. Methods to Assure and Improve Quality deals broadly with techniques to monitor, assure, and improve quality. People and Quality focuses on human factors, changing roles, staffing, and training. Quality Assurance in Radiotherapy addresses the general issues of quality assurance with descriptions of the key systems used to plan and treat patients and includes specific recommendations on the types and frequencies of certain tests. Quality Control: Equipment and Quality Control: Patient-Specific provides explicit details of quality control relating to equipment and patient-specific issues. Recently, a transformation of quality and safety in radiotherapy has begun to take place. Among the key drivers of this transformation have been new industrial and systems engineering approaches that have come to the forefront in recent years following revelations of system failures. This book provides an approach to quality that is long needed, one that deals with both human and technical aspects that must be the part of any overall quality improvement program.

it goes well beyond [quality assurance tests] and tackles quality at the highest levels of management and strategy. Virtually every aspect of quality and safety in radiotherapy is dissected it serves as an excellent starting point and contains many references for further reading. I can therefore see this book being an extremely useful first reference for any manager wishing to review their current quality management practices. It is up-to-date in terms of technology and the latest thinking on quality management programmes, and contains several practical case studies and worked examples. perhaps it is time for all of us to re-think our quality programmes, and this book would certainly be a valuable starting point.Keri Owen, Scope, December 2011 The contents and layout are excellent.Professor Eric E. Klein, Washington University School of Medicine well written and easy to read. Because of its comprehensive nature, students as well as seasoned radiation therapy professionals will find this book useful. No one book contains the range of topics covered in this book. There are books devoted to quality assurance of radiotherapy devices which go into much more detail on each device. There are books on quality management, human factors engineering, and error prevention which are not written in the context of radiotherapy. In this book, the authors provide a brief review of all these topics with enough detail to convey the salient points needed to understand the fundamentals. Each chapter includes a wealth of references which readers can use to supplement the material in this book. This is an important reference on critically important topics.Arthur Olch, PhD, FAAPM, Children's Hospital Los Angeles, Doody's Service, June 2011About the AuthorTodd Pawlicki and Arno J. Mundt work in the Department of Radiation Oncology at the University of California, San Diego. Peter Dunscombe works in the medical physics department at the Tom Baker Cancer Center. Pierre Scalliet works in the Department of Radiation Oncology at the St. Luc University Hospital.