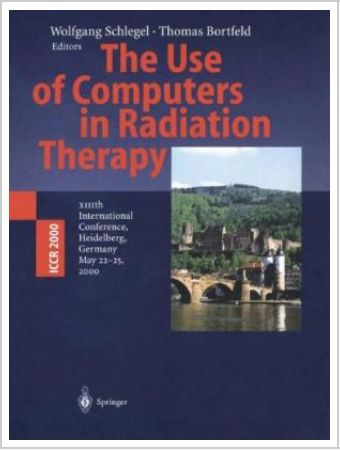

The Use of Computers in Radiation Therapy

By Schlegel, Wolfgang / Bortfeld, Thomas

Condition: New. Publisher/Verlag: Springer, Berlin | XIIIth International Conference Heidelberg, Germany May 22-25, 2000 | Computers have had and will continue to have a tremendous impact on professional activity in almost all areas. This applies to radiological medicine and in particular to radiation therapy. This book compiles the most recent developments and results of the application of computers and computer science as presented at the XIIIth International Conference on the Use of Computers in Radiation Therapy in Heidelberg, Germany. The text of both oral presentations and posters is included. The book is intended for computer sientists, medical physicists, engineers and physicians in the field of radiation therapy and provides a comprehensive survey of the entire field. | Monday, 22 May 2000 Focus Session: Inverse Planning (Steve Webb).- 1. Inverse-planning for IMRT with a robotically-mounted linac: parameterization of this ultimate(?) IMRT technique.- 2. Tomotherapy: Optimal coplanar radiotherapy.- 3. DMLC IMRT Is Sufficient for All Clinical Purposes.- 4. Complex IMRT increases the potential for dose misadministration, and simple planning and delivery methods can achieve the same results with reduced risk of patient injury.- Session: Optimization/Inverse Planning 1.- 1. Using a dose-volume feasibility search algorithm for radiation treatment planning.- 2. Dose-volume constrained radiotherapy...

Reviews

A very great ebook with perfect and lucid answers. It can be packed with wisdom and knowledge I found out this book from my dad and i encouraged this publication to learn.

-- ***Elena McLaughlin***

This book is really gripping and interesting. Of course, it is actually perform, still an interesting and amazing literature. You will not truly feel monotony at whenever you want of your time (that's what catalogues are for concerning when you request me).

-- ***Claud Schaden***