



Handbook of Treatment Planning in Radiation Oncology

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This is a highly practical resource about the specific technical aspects of delivering radiation treatment. Pocket-sized and well organized for ease of use, the book is designed to lead radiation oncology trainees and residents step by step through the basics of radiotherapy planning and delivery for all major malignancies. This new, evidence-based edition retains the valued, practical features of the first edition while incorporating recent advances in the field.

Chapters are the result of a joint collaboration between residents and staff radiation oncologists in the Department of Radiation Oncology at the Cleveland Clinic. Sections are organized by body site or system whichever is best suited to consistency in presenting planning principles. Also included are such specialized topics as palliative therapy and pediatrics. More than 200 images help to clarify the steps of radiotherapy planning and delivery. Written by and for residents on the "front lines" of their training, it is also a valuable resource for training other professionals in the field such as technologists, nurses, dosimetrists, and others as well as a quick reference for practicing physicians.

Key Features of *Handbook of Treatment Planning in Radiation Oncology, Second Edition*:

- Provides a consistent, step-by-step approach to effective radiotherapy planning and delivery
- Presents content in consistent, concise, bulleted format for easy review
- Includes over 200 color images
- Explains specific technical aspects of delivering radiation treatment
- Addresses such specialized topics as palliative therapy and pediatrics

New to the Second Edition:

- Stereotactic body radiation therapy (SBRT) for prostate and GI tumors
- Intraoperative therapy for GI tumors
- Volumetric modulated arc therapy (VMAT) for brain tumors
- New coverage of MRI based planning in simulation

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About the Author

Gregory M.M. Videtic is Residency Program Director, and Associate Professor of Medicine, Department of Radiation Oncology, Cleveland Clinic Foundation

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