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| Titolo                  | Handbook of treatment planning in radiation oncology // editors, Gregory M. M. Videtic, Neil M. Woody ; associate editor, Andrew D. Vassil. ; acquisitions editor, Rich Winters ; May Abdel-Wahab [and twenty four others], contributors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pubbl/distr/stampa      | New York : , : Demos Medical, , 2015<br>©2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ISBN                    | 1-61705-197-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Edizione                | [Second edition.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Descrizione fisica      | 1 online resource (x, 249 pages) : illustrations (some color)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Disciplina              | 616.99/40642                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Soggetti                | Cancer - Radiotherapy<br>Cancer - Nursing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Note generali           | Description based upon print version of record.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Nota di bibliografia    | Includes bibliographical references at the end of each chapters and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | Cover; Title; Copyright; Contents; Preface to the Second Edition; Preface to the First Edition; Contributors; Share Handbook of Treatment Planning in Radiation Oncology; Chapter 1: General Physics Principles; General Principles; Target Volumes; Treatment Planning; Plan Evaluation; Selected Technical Facts; Selected Brachytherapy Facts; Reference; Chapter 2: Tools for Simulation and Treatment; Techniques in Positioning and Immobilization; Thermoplastic Mesh; Cradle-Type Devices; Modular Systems; Stereotactic Systems; Breath Control Systems; Techniques in Simulation<br>Techniques in Localization at the Time of Treatment Delivery Gaiting; Portal Imaging; Image-Guided Radiation Therapy (IGRT); Chapter 3: Central Nervous System Radiotherapy; General Principles; Localization, Immobilization, and Simulation; Target Volumes and Organs of Interest Definition; Treatment Planning; Critical Structures; Single-Fraction SRS; Glioma-High Grade; Indications and Options for Treatment; Localization, Immobilization, Simulation for Fractionated Radiotherapy (RT)/Fractionated Stereotactic RT (FSRT); Volumes, Dose, and Fractionation; Special Considerations; Glioma-Low Grade Indications and Options for Treatment Localization, Immobilization, |

Simulation for Fractionated RT/FSRT; Volumes, Dose, and Fractionation; Special Considerations; Brainstem Glioma; Indications for Treatment; Localization, Immobilization, Simulation for Fractionated RT/FSRT; Volumes, Dose, and Fractionation; Meningioma; Indications for Treatment; Localization, Immobilization, Simulation for Fractionated RT/FSRT; Volumes, Dose, and Fractionation; Special Considerations; Pituitary Adenoma; Indications for Treatment; Localization, Immobilization, Simulation for Fractionated RT/FSRT Volumes, Dose, and Fractionation Vestibular Schwannoma; Indications for Radiotherapy Treatment; Localization, Immobilization, Simulation for Fractionated RT/FSRT; Volumes, Dose, and Fractionation; Special Considerations; Arteriovenous Malformation; Indications and Options for Treatment; Localization, Immobilization, Simulation; Volumes, Dose, and Fractionation; Special Considerations; Spinal Cord Tumors; Indications and Options for Treatment; Localization, Immobilization, Simulation for Fractionated RT/FSRT; Volumes, Dose, and Fractionation; References; Chapter 4: Head and Neck Radiotherapy General Principles Radiotherapy; Localization, Immobilization, and Simulation; Target Volumes and Organs of Interest Definition; Treatment Planning-Definitive Radiotherapy; Treatment Planning-Postoperative Radiotherapy; Dose/Fractionation; Critical Structures; Oropharynx Cancer; Site-Specific Indications; Target Volumes; Special Considerations; Larynx Cancer; Site-Specific Indications; Target Volumes; Special Considerations; Hypopharynx Cancer; Site-Specific Indications; Target Volumes; Special Considerations; Nasopharynx Cancer; Site-Specific Indications; Target Volumes Special Considerations

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#### Sommario/riassunto

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 second edition retains the valued features of the first edition-comprehensive yet concise, practical, evidence-based-while incorporating recent advances in the field. This includes expanded and updated discussions of SBRT for prostate and GI tumors, intraoperative

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