

1. Record Nr.	UNINA9910483943803321
Titolo	Radiotherapy in Managing Brain Metastases : A Case-Based Approach / / edited by Yoshiya Yamada, Eric Chang, John B. Fiveash, Jonathan Knisely
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-43740-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (375 pages) : illustrations
Disciplina	616.994810642
Soggetti	Radiotherapy Oncology Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Introduction -- SECTION I: Clinical Overview -- Brain Metastases Introduction -- Radiobiology of Radiation Therapy for the Brain -- Supportive Medical Management of Brain Metastases Patients -- Neuorimaging of Brain Metastases -- Integrative Surgery and Radiosurgery -- Integrating Systemic Therapy into Management -- Indications for SRS-Multiple Mets -- Rationale for Hypofractionation -- Target Delineation for Radiosurgery -- Indications for WBRT -- Particle Therapy for the Treatment of Brain Metastases -- Special Topics -- Salvage, Reirradiation, and Retreatment -- SECTION II: Technical Treatment Planning and Delivery -- General Techniques for Radiosurgery -- Single Isocenter Techniques for Multiple Targets -- Dose Tolerances for Normal Structures -- Metrics for Radiosurgery Plan -- Image Guidance for Frameless Radiosurgery -- Safety Procedures and Checklists for Radiosurgery -- Quality Assurance for Small Fields -- Techniques of WBRT. .
Sommario/riassunto	This book provides a radiotherapy perspective on the management of brain metastases with case-based discussion. This management has been rapidly evolving in the face of changing technology, progressing systemic therapy, and paradigm changes that all impact practice. These changes can be difficult, and this text gives a practical approach to

help practitioners and trainees understand these changes and incorporate them into their practices. The work has two main sections: Clinical and Technical. The clinical section has chapters that address all aspects of radiation therapy for brain metastases, including integrating advances in surgery and drug treatments. The technical section focuses on the “how to” aspects of treatment, including treatment planning and delivery. This is an ideal guide for practicing radiation oncologists and trainees. .
