1. Record Nr. UNINA9910830693603321

Titolo	Geographic visualization : concepts, tools and applications / / edited by Martin Dodge, Mary McDerby and Martin Turner
Pubbl/distr/stampa	Chichester, West Sussex, England : , : John Wiley & Sons, Ltd, , 2008 ©2008
ISBN	0-470-98764-2 1-282-34989-9 0-470-98763-4 9786612349898 1-119-96459-8
Descrizione fisica	xxiv, 325 p. : ill. (some col.), maps
Disciplina	910.285
Soggetti	Geography - Computer network resources Visualization Geographic information systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.

2. Record Nr. UNINA9910913793303321

Autore	Trifiletti Daniel M
Titolo	Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy : A Comprehensive Guide / / edited by Daniel M. Trifiletti, Samuel T. Chao, Arjun Sahgal, Jason P. Sheehan
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031677434 3031677439
Edizione	[2nd ed. 2024.]
Descrizione fisica	1 online resource (471 pages)
Altri autori (Persone)	ChaoSamuel T SahgalArjun SheehanJason P
Disciplina	616.0757 616.994
Soggetti	Medical radiology Oncology Radiation Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Part I: Radiobiology of Radiosurgery and Stereotactic Body Radiation Therapy -- Vascular-Mediated Mechanisms and SRS/SBRT -- Radio-Immunology of Ablative Radiation -- Rationale for Fractionated SRS and Single SRS Session Approaches -- Part II: Intracranial Radiosurgery Technique -- Physics of Radiosurgery -- Leksell Gamma Knife Radiosurgery -- CyberKnife Robotic Stereotactic Radiosurgery -- Linear Accelerator-Based Radiosurgery: Technique -- Fractionated Radiosurgery -- Charged-Particle Proton Radiosurgery -- Part III: Intracranial Radiosurgery by Indication -- Stereotactic Radiosurgery for Brain Metastases -- Stereotactic Radiosurgery for Pituitary Adenoma -- Stereotactic Radiosurgery for Meningioma -- Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations -- Radiosurgical Management of Trigeminal Neuralgia -- Radiosurgery for Vestibular Schwannomas -- Stereotactic Radiosurgery for Glial Tumors -- Part IV: Stereotactic Body Radiation Therapy Technique -- Physics of Stereotactic Body Radiotherapy -- Immobilization for SBRT: A Crucial

Prerequisite Toward Accurate Treatment -- Motion Management in Stereotactic Body Radiation Therapy -- Charged Particle Stereotactic Body Radiation Therapy -- Part V: Stereotactic Body Radiation Therapy by Indication -- Stereotactic Body Radiation Therapy (SBRT) for Primary Lung Cancer -- Stereotactic Body Radiation Therapy (SBRT) for Lung Metastases -- Stereotactic Body Radiation Therapy (SBRT) for Spinal Tumors -- Stereotactic Body Radiation Therapy for Gastrointestinal Cancers -- SAbR for Primary Prostate Cancer -- Stereotactic Ablative Radiotherapy (SAbR) for Primary Renal Cell Carcinoma -- Head and Neck Stereotactic Body Radiation Therapy -- Pediatric Radiosurgery -- Part VI: The Future of Radiosurgery and SBRT -- Patient Selection in SBRT and SRS -- SRS and SBRT Complications and Management -- SRS and SBRT Integration with Supportive Care -- Targeted Agents and Immunotherapy -- Diagnostic Imaging Advances -- Part VII: The Future of Radiosurgery and SBRT -- Comparative Effectiveness of SBRT.

Sommario/riassunto

This new edition is a fully updated, comprehensive review of stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT): its physics, clinical evidence, indications, and future directions. The utilization of stereotactic radiosurgery (SRS) and stereotactic body radiation therapy (SBRT) is increasing internationally because of several factors. First, it offers patients a local treatment option that has demonstrated effectiveness similar to traditional surgery without the morbidity of general anesthesia and open surgical resection. Second, recent advancements in the quality of scientific evidence supporting a SRS or SBRT-containing approach in patients continues to evolve and demonstrate favorable disease-specific outcomes with little, if any, toxicity in various anatomic disease sites and for various conditions including cancer, benign tumors, and other psychiatric and neurologic conditions. Third, and most provocatively, is the notion that definitive local therapy (i.e. SRS or SBRT) in patients with cancer can boost the immune system to fight cancer in other sites throughout the body. While traditional medical knowledge would suggest that all patients with metastatic cancer are incurable, there is a mounting body of evidence that there is a subset of these patients that can be cured with definitive SRS or SBRT. This volume thus delves into each of these benefits and aspects of treatment, guiding physicians to the best treatment plan for their patients. Expert, international authors provide guidelines for SRS and SBRT use by clinicians. Chapters are divided into six main sections: Radiobiology of Radiosurgery and Stereotactic Body Radiation Therapy, Intracranial Radiosurgery Technique, Intracranial Radiosurgery by Indication, Stereotactic Body Radiation Therapy Technique, Stereotactic Body Radiation Therapy by Indication, The Future of Radiosurgery and SBRT. Overall physics are explained, as well as specific considerations for particular surgical tools (including the Leksell Gamma Knife and Accuray CyberKnife), techniques (including fractionated and charged particle radiosurgery), and anatomic sites (including brain metastases, pituitary tumors, and the prostate). Since the first edition published, the field has grown significantly. There is now significant new data to support preoperative radiosurgery, increased indications in metastatic cancers, as well as integration with new drug therapies and imaging techniques. Each chapter is thus fully updated with the latest in medical advancements and new scientific research. Detailed images and charts enhance the chapters. This book provides physicians with a single, practical resource incorporating both of these broad categories of treatment, SRS and SBRT, and better defines the current role and the direction of radiosurgery.