

1. Record Nr.	UNINA9910457188003321
Titolo	Adaptive motion compensation in radiotherapy // edited by Martin J. Murphy
Pubbl/distr/stampa	Boca Raton, Fla. : , : CRC Press, , 2012
ISBN	0-429-19348-3 1-280-12176-9 9786613525628 1-4398-2194-1
Descrizione fisica	1 online resource (163 p.)
Collana	Imaging in medical diagnosis and therapy
Altri autori (Persone)	MurphyMartin J
Disciplina	615.8/42
Soggetti	Image-guided radiation therapy Radiotherapy - Data processing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Taylor & Francis book.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Contents; Series Preface; Preface; About the Editor; List of Contributors; Introduction; 1. Real-Time Tumor Localization; 2. Theoretical Aspects of Target Detection and Tracking; 3. Respiratory Gating; 4. The CyberKnife® Image-Guided Radiosurgery System; 5. Fundamentals of Tracking with a Linac Multileaf Collimator; 6. Couch-Based Target Alignment; 7. Robotic LINAC Tracking Based on Correlation and Prediction; 8. Treatment Planning for Motion Adaptation in Radiation Therapy; 9. Treatment Planning for Motion Management via DMLC Tracking 10. Real-Time Motion Adaptation in Tomotherapy® Using a Binary MLC 11. Combination of a LINAC with 1.5 T MRI for Real-Time Image Guided Radiotherapy; 12. The ViewRay™ System; 13. Fault Detection in Image-Based Tracking
Sommario/riassunto	Preface External-beam radiotherapy has long been vexed by the simple fact that patients can (and do) move during the delivery of radiation. The most elegant and forward-looking solution to this reality is to actively adapt the radiation delivery process to the patient's natural movements. Recent advances in imaging and beam delivery

technologies have now made this solution a practical reality. The purpose of this book is to present to researchers and clinical practitioners in radiation therapy an overview of the current and prospective state of the art in motion-adaptive radiation therapy. It presents technical reviews of each of the contributing elements of a motion-adaptive system (including target detection and tracking, beam adaptation, and patient realignment), discusses treatment planning issues that arise when the patient and internal target are mobile, describes several integrated motion-adaptive systems that are in clinical use or at advanced stages of development, and concludes with a review of the system control functions that must be an essential part of any therapy device that operates in a near-autonomous manner with limited human interaction. From these chapters, the reader will hopefully gain not only an understanding of the technical aspects and capabilities of motion adaptation but also practical clinical insights into planning and carrying out various types of motion-adaptive radiotherapy treatment--Provided by publisher.

2. Record Nr.	UNINA9910461068403321
Autore	Sankaranarayanan Rajiv
Titolo	Treatment of ventricular fibrillation [[electronic resource] /] / Rajiv Sankaranarayanan, Hanney Gonna and Michael James
Pubbl/distr/stampa	Hauppauge, N.Y., : BioMedical Books, c2010
ISBN	1-61324-032-5
Descrizione fisica	1 online resource (76 p.)
Collana	Cardiology research and clinical developments
Altri autori (Persone)	GonnaHanney JamesMichael <1960->
Disciplina	616.1/28
Soggetti	Ventricular fibrillation Electronic books.
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 (p. [41]-55) and index.
Nota di contenuto	Cardiopulmonary resuscitation -- Drug therapy for ventricular fibrillation -- Automated external defibrillators and public access defibrillation -- Internal cardioverter defibrillator -- VF ablation.

3. Record Nr.	UNINA9910144676003321
Autore	Hoffman P. N
Titolo	Disinfection in healthcare [[electronic resource] /] / Peter Hoffman, Christina Bradley, and Graham Ayliffe
Pubbl/distr/stampa	Malden, Mass. : Blackwell Pub., 2004
ISBN	1-282-23720-9 9786612237201 0-470-69873-X 0-470-69818-7
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (117 p.)
Altri autori (Persone)	BradleyChristina AyliffeG. A. J
Disciplina	614.4/8
Soggetti	Disinfection and disinfectants Health facilities - Disinfection Hospital buildings - Disinfection
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Rev. ed. of: Chemical disinfection in hospitals / G.A.J. Ayliffe, D. Coates, P.N. Hoffman. 2nd ed. 1993.
Nota di bibliografia	Includes bibliographical references (p. 99-100) and index.
Nota di contenuto	Principles of disinfection -- Properties of chemical disinfectants -- Disinfection policy -- Thermal disinfection -- Organisms of special significance -- Cleaning and disinfection of the environment -- Disinfection of the skin and mucous membranes -- Disinfection of medical equipment -- Disinfectants in pathology departments -- Safety in chemical disinfection -- Disinfectant testing.
Sommario/riassunto	Concise, practical guide for everyone involved in the control of hospital infection Features: Key information at your fingertips: Concise information is easy to find - now includes references and index Completely revised, expanded and updated to reflect changes in new chemical disinfectants Reviews the range of new disinfectants used for endoscope reprocessing New for this edition: For the first time, includes thermal disinfection applic