

1. Record Nr.	UNINA9910300211103321
Titolo	Target Volume Delineation for Conformal and Intensity-Modulated Radiation Therapy // edited by Nancy Y. Lee, Nadeem Riaz, Jiade J. Lu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-05726-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (532 p.)
Collana	Radiation Oncology
Disciplina	610 615842 616.0757 616994
Soggetti	Radiotherapy Oncology Radiology Imaging / Radiology
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 and index.
Nota di contenuto	Head and Neck Cancer: Nasopharynx -- Oropharynx Cancer -- Early Larynx -- Advanced larynx -- Hypopharyngeal Cancer -- Oral Cavity Cancer -- Paranasal Sinuses -- Major Salivary gland -- Thyroid Cancer -- Cranial Nerves -- Unknown Primary.- Head and Neck -- Neck -- Breast Cancer: Early Breast Cancer -- Locally Advanced Breast -- Thorax: Locally Advanced NSCLC &SCLD -- SBRT and post-OP NSCLC -- Gastrointestinal Cancer: Esophagus -- Gastric -- Pancreatic -- HCC/Cholangiocarcinoma -- Rectal Cancer -- Anal Cancer -- Gynecological Cancer: Cervical Cancer -- Endometrial Cancer -- Ovarian Cancer -- Vaginal Cancer -- Vulvar Cancer -- Genitourinary Cancer: Prostate Cancer -- Bladder Cancer.-Seminoma -- CNS: Brain Metastasis -- Benign -- Low and High Grade Glioma -- Lymphoma: Hodgkin's Disease -- Non-Hodgkin's Disease -- Musculoskeletal -- Pediatrics: Sarcoma -- Pediatric CNS.
Sommario/riassunto	This textbook is designed to help the busy radiation oncologist to accurately and confidently delineate tumor volumes for conformal

radiation therapy (including IMRT). The book provides an atlas of clinical target volumes (CTVs) for commonly encountered cancers, with each chapter illustrating CTV delineation on a slice-by-slice basis, on planning CT images. Common anatomic variants for each tumor are represented in individual illustrations, with annotations highlighting differences in coverage. The anatomy of each site and patterns of lymphatic drainage are discussed, and their influence on the design of CTVs is explained in detail. Utilization of other imaging modalities, including MRI, to delineate volumes is highlighted. Key details of simulation and planning are briefly reviewed. Although the emphasis is on target volume delineation for conformal techniques, information is also provided on conventional radiation field setup and design when IMRT is not suitable. .
