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Titolo	Principles and Practice of Radiotherapy Techniques in Thoracic Malignancies // edited by Gokhan Ozyigit, Ugur Selek, Erkan Topkan
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Descrizione fisica	1 online resource (544 p.)
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Soggetti	Radiotherapy Oncology Respiratory organs—Diseases Oncology Pneumology/Respiratory System
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	Selection criteria for definitive treatment approach in thoracic malignancies of Radiation Oncology perspectives -- Guidelines for the delineation of primary tumor target volume in lung cancer -- Guidelines for the delineation of lymphatics target volumes in lung cancer -- Stereotactic ablative body radiotherapy for early stage and metastatic NSCLC -- Stereotactic radiosurgery for metastatic NSCLC -- Surgical staging and advanced surgical techniques in early stage NSCLC -- Modern radiotherapy techniques in locally advanced NSCLC -- Radiochemotherapy and fractionation in locally advanced NSCLC -- Systemic therapy in the management of NSCLC & SCLC -- Modernradiotherapy techniques in limited and extensive stage SCLC -- Cranial prophylaxis in SCLC and NSCLC -- Translational research and immunotherapy in lung cancer -- Target volume delineation guidelines in esophageal cancer -- Surgery and advanced surgical techniques in esophageal cancers -- Modern radiotherapy tehniques in esophageal cancers -- Systemic therapies in esophageal cancers -- Target volume delineation guidelines in thymic malignancies -- Surgery in thymic malignancies -- Modern radiotherapy techniques in thymic

malignancies -- Systemic therapies in thymic malignancies -- Target volume delineation guidelines in malignant pleural mesothelioma -- Surgery in malignant pleural mesothelioma -- Modern radiotherapy techniques in malignant pleural mesothelioma -- Systemic therapies in malignant pleural mesothelioma -- Radiation induced toxicity and related strategy on lung, heart, esophagus, and cord -- Stereotactic ablative and intensity modulated proton therapy for thoracic Malignancies -- Quality assurance of modern radiotherapy techniques.

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## Sommario/riassunto

This evidence-based guide on the use of radiotherapy in patients with common malignancies of the lung, esophagus, and thymus will help radiation oncologists to deliver optimal care within a multidisciplinary setting. Detailed information is provided on all aspects, from delineation of tumor volumes and organs at risk based on four-dimensional CT simulation through to the various advanced radiotherapy techniques, including stereotactic ablative radiotherapy (SABR), intensity-modulated radiation therapy (IMRT), tomotherapy, volumetric modulated arc therapy (VMAT), and proton therapy. Contouring, treatment planning, and treatment delivery are documented in a range of everyday cases, with illustrations of slice-by-slice delineations on planning CT images and finalized treatment plans based on detailed acceptance criteria. Numerous practical tips are highlighted, and relevant information is included on surgical techniques and systemic therapies. The book will facilitate decision making in the management of patients with common thoracic malignancies and assist in overcoming the challenges encountered in daily clinical practice.

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