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| Descrizione fisica | 1 online resource (510 pages) |
| Altri autori (Persone) | GoyalShikha MallickSupriya |
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| Nota di contenuto | Introduction to pediatric oncology -- Epidemiology of paediatric cancer -- Evolution of radiation therapy strategies -- Early and late effects of radiotherapy in children -- Pediatric radiation therapy: Pre-planning aspects -- Anaesthesia in pediatric radiation therapy -- Supportive care, quality of life and Survivorship aspects -- Challenges in paediatric oncology in Low Middle Income Countries (LMICs) -- Imaging perspective in paediatric tumors: Solid tumors -- Imaging perspective in paediatric tumors: CNS tumors -- Imaging perspective in Paediatric tumors: Role of PET scan -- Pathological aspects and recent advances in pathology-Sarcoma -- Pathological aspects and recent advances in pathology – CNS tumors -- Pathological aspects and recent advances in pathology- hematopathology -- Pathological aspects and recent advances in pathology-renal and suprarenal tumours -- Cancer Genetics -- Particle therapy in paediatric oncology -- Management of high grade glioma -- Management of Medulloblastoma and other embryonal tumors -- Management of Ependymomas -- Management of Pediatric Low-Grade Glioma -- Management of Intracranial germ cell tumors -- Management of Brainstem glioma -- Gamma Knife |

Radiosurgery for Intracranial Pathologies of the Paediatric Population --
Management of Renal neoplasms -- Management of
Rhabdomyosarcoma -- Management of Pediatric bone tumors --
Management of Retinoblastoma -- Management of Neuroblastoma --
Management of Paediatric Hodgkin Lymphoma -- Total body irradiation
and role of RT in leukemia -- Palliative care in pediatric oncology.

Sommario/riassunto

The book covers all the practical aspects of pediatric radiation oncology. It explains basic principles of pediatric radiation oncology, indications of radiation in various diseases, radiation dose and target volumes in brachytherapy and in external body radiation therapy, side effects of radiation therapy, and follow up protocol in an evidence based manner. It also briefly discusses other treatment modalities, including surgery and chemotherapy. The book also covers historical aspect of radiation therapy. It elaborates on how modern radiotherapy techniques have helped in reducing the side effects of the radiation (a major concern that leads to radiation defer in children) as compared to the previous years without compromising outcomes. It highlights various issues that makes pediatric radiation oncology more complex as compared to adult radiation therapy. It discusses some newer techniques of radiotherapy and particle therapy. The book will help radiotherapy/radiation oncology students and faculty, pediatric oncology students and oncologists to understand and practice pediatric radiation oncology in a better and evidence based manner. .
