

1. Record Nr.	UNINA9910465429703321
Titolo	Nuclear oncology // [edited by] Cumali Aktolun, MD, MSc, Visiting Professor, Department of Radiology, Molecular Imaging Program at Stanford, School of Medicine, Stanford University, Palo Alto, California, Stanley J. Goldsmith, MD, Professor, Department of Radiology and Medicine, Sanford and Joan Weill College of Medicine at Cornell University, Director-Emeritus, Division of Nuclear Medicine and Molecular Imaging, New York-Presbyterian Hospital/Weill Cornell Medical Center, New York, New York
Pubbl/distr/stampa	Philadelphia : , : Wolters Kluwer, , [2015] ©2015
ISBN	1-4963-2443-9 1-4698-8349-X
Descrizione fisica	1 online resource (733 p.)
Disciplina	616.99/407575
Soggetti	Cancer - Radionuclide imaging Cancer - Radiotherapy 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 and index.
Nota di contenuto	NUCLEAR ONCOLOGY; Contributors; Foreword; Preface; Acknowledgment; Contents; PART I Organ Malignancies; 1 Brain Tumors; 2 Head and Neck Carcinomas; 3 Thyroid Carcinoma; 4 Parathyroid Tumors; 5Esophageal Carcinoma; 6Gastric Carcinoma-I; 7Gastric Carcinoma-II; 8Pancreatic Carcinoma; 9Colorectal Carcinoma; 10Liver Tumors; 11Breast Carcinoma; 12Pulmonary Carcinoma; 13 Renal Carcinoma; 14Bladder Carcinoma; 15Prostate Carcinoma; 16Uterine and Cervical Carcinoma; 17Ovarian Carcinoma; 18Testicular Germ Cell Tumors; 19Tumors of the Adrenal Glands; PART II Malignancies Involving the Entire Body 20Neuroendocrine Tumors21Lymphoma and Leukemia; 22Melanoma; 23Neuroblastoma; 24Bone Tumors; PART III Special Topics In Nuclear Oncology; 25Pediatric Tumors; 26Cancer of Unknown Primary;

27Assessment of Lymph Nodes in Oncology; 28Sentinel Lymph Node Detection and Imaging in Oncology; 29PET/CT Hybrid Imaging in Radiotherapy Planning; 30Bone Mineral Densitometry in Oncology; 31Non-FDG PET/CT Imaging in Oncology; 32Assessment of Response to Antitumor Treatment; 33Radionuclide Imaging for the Assessment of Toxicity Due to Chemotherapy
PART IV Investigative Methods for Studying Tumor Biology and Microenvironment
34Radionuclide Imaging of Multidrug Resistance; 35Radionuclide Imaging of Tumor Hypoxia and Its Clinical Implications; 36Radionuclide Imaging of Tumor Cell Apoptosis; 37Radionuclide Imaging of Tumor Angiogenesis; 38Radionuclide Imaging of Tumor Cell Proliferation; 39Radionuclide Imaging of Human Epidermal Receptors; 40Radionuclide Imaging of Integrins; 41 Radionuclide Imaging of Annexins; PART V Technical Issues; 42 Radiochemistry in Nuclear Oncology
43 Advances in Nuclear and Optical Imaging of Tumors: Multi-Modality, Small-Animal, and Intraoperative Technologies
INDEX

Sommario/riassunto

Nuclear Oncology a contemporary narrative of the role of nuclear medicine in oncology with an emphasis on SPECT/CT and PET/CT with additional comments when appropriate on the potential application of PET/MR and to a lesser degree, targeted radionuclide therapy. This book focuses on the use of radionuclides in the diagnosis and treatment of malignant diseases. It describes relevant approved and investigational clinical applications, instrumentation & technology, chemistry and practical clinical issues in nuclear oncology. The basic science and current research topics of nuclear oncology are add
