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Nota di contenuto	Tumors of the CNS and spinal cord: Functional techniques in the CNS -- Glial tumors, brain metastases, and postoperative changes.-Non-glial primary tumors of the CNS -- Spinal cord malignancies. Head and neck tumors: Head and neck tumors. Chest malignancies: Lung cancer and malignancies of the pleura.-Malignant Pleural Mesothelioma -- Thymoma and other malignancies of the mediastinum -- Cardiac tumors. Women's Cancers: Breast cancer -- PET-CT of gynecological malignancies and ovarian cancer.-Functional MRI of gynecological malignancies -- Ovarian cancer and peritoneum. Malignancies of the Gastrointestinal System: Esophagus, stomach and small bowel malignancies -- Colorectal cancer. Hepatobiliary and pancreatic malignancies: Functional Imaging techniques of the liver -- Hepatocellular carcinoma -- Liver metastases -- Other malignant lesions of the liver -- Gallbladder and biliary system -- Pancreas --

Splenic lesions. Genitourinary tract tumors: -- Renal cell carcinoma -- Functional CT and MRI of the urinary system and adrenal glands -- Prostate cancer -- Scrotum. -Malignancies of the mesenterium and retroperitoneum. Malignancies of the endocrine system: Functional oncological imaging of the endocrine system. Hematological malignancies: Imaging of the lymph nodes -- Lymphoma -- Multiple myeloma and other hematological malignancies. Malignant tumors of the musculoskeletal system: Soft tissue sarcoma of the extremities. - Bone malignancies -- Bone metastases. Pediatric tumors: Specific malignancies of the pediatric age. Other malignancies: Malignant melanoma.

Sommario/riassunto

In the new era of functional and molecular imaging, both currently available imaging biomarkers and biomarkers under development are expected to lead to major changes in the management of oncological patients. This two-volume book is a practical manual on the various imaging techniques capable of delivering functional information on cancer, including diffusion MRI, perfusion CT and MRI, dual-energy CT, spectroscopy, dynamic contrast-enhanced ultrasonography, PET, and hybrid modalities. This second volume considers the applications and benefits of these techniques in a wide range of tumor types, including their role in diagnosis, prediction of treatment outcome, and early evaluation of treatment response. Each chapter addresses a specific malignancy and is written by one or more acclaimed experts. The lucid text is complemented by numerous high-quality illustrations that highlight key features and major teaching points.
