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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	General Aspects of Pediatric Nuclear Medicine -- Sedation and General Anesthesia -- PET and PET/CT in Children and Young Adults -- Central Nervous System: The Brain and Cerebrospinal Fluid -- Thyroid -- Lung Imaging -- Cardiovascular System -- Lymphoscintigraphy -- Gastroesophageal Reflux, Gastric Emptying, Esophageal Transit, and Pulmonary Aspiration -- Liver and Spleen -- Gastrointestinal Bleeding -- Kidneys -- Vesicoureteral Reflux and Radionuclide Cystography -- Radionuclide Determination of Glomerular Filtration Rate -- Skeletal Scintigraphy: General Considerations -- Sports Injuries -- Child Abuse -- The Role of Skeletal Scintigraphy in the Diagnosis and Management of Mandibular Growth Abnormalities and Asymmetry -- Neuroblastoma: Functional Imaging -- Imaging Parathyroid and Neuroendocrine Tumors -- Lymphomas and Lymphoproliferative Disorders -- Functional Imaging of Pediatric Musculoskeletal Tumors -- Solid Tumors in Childhood -- Infection and Inflammation -- Pediatric Molecular Imaging -- Combined PET/MRI in Childhood -- Physical Aspects of Pediatric Nuclear Medicine Imaging -- Radiation Exposures -- Radiation Protection in Pediatric Nuclear Medicine -- Radiation Risk -- Dose Optimization in Pediatric Nuclear Medicine.

This pioneering book, now in its fourth edition, presents the cutting-edge developments in pediatric nuclear medicine. Thoroughly revised and updated, it retains the fundamentals that anchor the book's distinguished reputation and includes the latest advances in PET/CT, SPECT, hybrid imaging, and molecular imaging. Pediatric Nuclear Medicine and Molecular Imaging, Fourth Edition, is an excellent resource for nuclear medicine physicians, diagnostic radiologists, pediatricians, and residents and fellows. The Fourth Edition features: · 16 new chapters, including PET and PET/CT in Children and Young Adults; Lymphoscintigraphy; Skeletal Scintigraphy; Neuroblastoma; Lymphomas and Lymphoproliferative Disorders; Functional Imaging of Pediatric Musculoskeletal Tumors; Solid Tumors in Childhood; Pediatric Molecular Imaging; Combined PET/MRI in Childhood; Radiation Exposures; Radiation Protection in Pediatric Nuclear Medicine; and Dose Optimization in Pediatric Nuclear Medicine. · Discussion of the use of image fusion and hybrid imaging in children. · Strategies for communicating potential radiation risk to patients, families and members of the healthcare team. · Methods to optimize pediatric radiopharmaceutical administered doses and improve image quality. S. Ted Treves, MD, is Professor of Radiology at Harvard Medical School, Founder and Former Chief, Division of Nuclear Medicine and Molecular Imaging, Children's Hospital Boston (1970-2011). In 2013, he received the Society of Nuclear Medicine and Molecular Imaging's Georg Charles de Hevesy Nuclear Pioneer Award for outstanding contributions to the field of Nuclear Medicine.
