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Titolo	Radiology Fundamentals : Introduction to Imaging & Technology // edited by Jennifer Kissane, Janet A. Neutze, Harjit Singh
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Descrizione fisica	1 online resource (XVI, 431 p. 272 illus., 45 illus. in color.)
Disciplina	616.0757
Soggetti	Radiology Interventional radiology Nuclear medicine Diagnostic Radiology Interventional Radiology Nuclear Medicine
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	PART I: Introductory Session -- Practicing S.A.F.E. Radiology -- Patient Radiation Safety and Risk -- Introduction to Radiology Concepts -- Conventional Radiology -- Ultrasound -- Computed Tomography -- MRI -- Introduction to Nuclear Medicine -- Cardiovascular and Interventional Radiology -- PART II: Thoracic Radiology -- Heart and Mediastinum -- Cardiac CTA -- Lateral Chest Radiography -- Pulmonary Nodules or Masses -- Airspace Disease -- Interstitial Disease -- Atelectasis -- Pulmonary Vasculature -- Pulmonary Edema -- Pulmonary Embolism -- Pneumothorax -- Miscellaneous Chest Conditions -- Tubes and Lines -- PART III: Mammography -- Breast Imaging -- PART IV: Genitourinary and Abdominal Imaging -- Genitourinary Ultrasound -- Abdominal Calcifications -- Abdominal Hardware and Tubes -- Abnormal Air Collections in the Abdomen -- Bowel Obstruction -- Concerning Abdominal Masses -- Fluoroscopic Evaluation of the Upper GI Tract and Small Bowel -- Imaging of the Colon -- Imaging of the Gallbladder -- Incidental Abdominal Lesions -- Inflammatory and Infectious Bowel Disease -- Intra-abdominal

Lymphadenopathy -- PART V: Nuclear Medicine -- Nuclear Medicine Cardiac Imaging -- Gastrointestinal Nuclear Medicine -- Oncologic Nuclear Medicine -- Pulmonary Nuclear Medicine -- Skeletal Nuclear Medicine -- PART VI: Interventional Radiology -- Diagnostic Arteriography -- Pulmonary Arteriography and IVC Filter Placement -- Genitourinary Interventions -- Transjugular Intrahepatic Portosystemic Shunt -- Central Venous Access -- Interventional Oncology -- PART VII: Musculoskeletal Radiology -- Fractures 1 -- Fractures 2 -- Bone Tumor Characteristics -- Arthritides and Infection -- PART VIII: Neuroradiology -- CNS Anatomy -- The Cervical Spine -- Head Trauma -- Stroke -- Headache and Back Pain -- PART IX: Pediatric Radiology -- Pediatric Radiology Pearls.

Sommario/riassunto

This book serves as an introduction to the dynamic field of radiology for medical students, non-radiology house staff, physician assistants, nurse practitioners, radiology assistants, and other allied health professionals and provides information that ranges from basic radiographic principles to advanced imaging techniques. It begins with a discussion of the fundamental concepts underlying the medical use of imaging modalities such as ultrasound, computed tomography, magnetic resonance imaging, and nuclear medicine. Subsequent chapters are organized by anatomic region and imaging modality that highlight the radiologist's role in diagnosing and treating common disorders. Each chapter offers learning objectives to aid readers in recognizing important points and connecting the basic radiology concepts. The sixth edition is thoroughly updated. The editors and authors introduce the approach to SAFE radiology, explaining the concepts of S-safety in all modalities, A-appropriateness of imaging ordering, F-interpreting films and E-acting expeditiously on significant findings and executing the recommendation of the imaging findings. Easy to learn and easy to remember, SAFE reminds all health care professionals that safety and appropriateness should precede any imaging testing and that all results should be applied expeditiously and thoughtfully.
