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ultrasound; The ultrasound transducer; Interactions of ultrasound with matter; Absorption; Reflection; Diffuse scatter; Ultrasound imaging modes; Transducer designs; The Doppler shift and Doppler imaging; Color flow imaging; Ultrasonographic contrast media; Techniques based on radioisotope emissions; Scintigraphy; Suitable radioisotopes; Pharmaceutical formulations; The gamma camera; Single photon emission computed tomography (SPECT) and positron emission tomography (PET); SPECT; PET; Combination of CT with SPECT or PET
Principles of nomenclature and positioningUpper Limb; Shoulder and arm; Elbow; Forearm; Wrist and hand; Arteries and veins; Lower Limb; Pelvis; Hip and Thigh; Knee; Leg; Ankle and foot; Arteries and Veins; Lymphatics; Spine; Cervical spine; Thoracic spine; Lumbar spine; Head; Skull; Ear; Orbita; Paranasal sinuses; Temporomandibular joint; Teeth; Salivary glands; Arteries; Brain; Axial CT series; Axial MR series; Coronal MR series; Sagittal MR series; Arteries and veins; Newborn; Neck; Larynx; Pharynx; Axial CT series; Thyroid gland; Thorax; Thoracic cage; Axial CT series
Heart and great vesselsEsophagus; Breast; Thoracic duct; Abdomen; Axial CT series; Stomach; Small intestine; Colon and rectum; Liver and pancreas; Spleen; Arteries and veins; Lymphatics; Urogenital System; Kidney; Urinary bladder and urethra; Male genital organs; Female genital organs/embryo; Fetus; Short dictionary of examination procedures and concepts in diagnostic imaging; Index; EULA

Sommario/riassunto

Now in its third edition, Anatomy in Diagnostic Imaging is an unrivalled atlas of anatomy applied to diagnostic imaging. The book covers the entire human body and employs all the imaging modalities used in clinical practice; x-ray, CT, MR, PET, ultrasound and scintigraphy. An introductory chapter explains succinctly the essentials of the imaging and examination techniques drawing on the latest technical developments. In view of the great strides that have been made in this area recently, all chapters have been thoroughly revised in this third edition. The book's original and didactically con