

## Table of Contents

- 1. The Lungs and the Pleura: High-Resolution and Conventional CT
- 2. Intrathoracic Vessels and the Pericardium
- 3. Heart and Coronary Arteries - Normal Variants and Pitfalls
- 4. The Diaphragm
- 5. Anatomic Variants and Congenital Anomalies of the Liver
- 6. Multidetector CT Scanning of the Liver: Parenchymal and Vascular Pitfalls and Artifacts
- 7. MR Imaging of the Liver
- 8. Liver Ultrasound
- 9. Variants and Pitfalls in CT and Ultrasound of the Gallbladder and the Biliary Tract
- 10. Pancreas, CT and MRI of Variants, Pitfalls and Anomalies
- 11. Magnetic Resonance Cholangio-Pancreatography (MRCP)
- 12. The Spleen
- 13. The Gastrointestinal Tract: CT
- 14. CT Enterography and CT Enteroclysis
- 15. CT Colonography (Virtual Colonoscopy)
- 16. MR Enterography and MR Enteroclysis
- 17. The Peritoneum, Retroperitoneum, and their Fascial Planes
- 18. Abdominal and Pelvic Vessels
- 19. Magnetic Resonance Angiography: Protocols, Pitfalls and Artifacts in the Abdomen and Pelvis
- 20. The Adrenal Glands
- 21. CT and MRI of the Kidneys
- 22. Renal Ultrasound
- 23. CT and MR Urography
- 24. The Bladder, Prostate, and the Testis
- 25. Variants and Pitfalls in Prostate MRI
- 26. The Female Pelvis
- 27. Variants of Normal Anatomy and Diagnostic Pitfalls in Obstetrical Ultrasound
- 28. Fetal MRI
- 29. MRI of the Breast
- 30. Breast Sonography
- 31. The Lungs: Postoperative and Post Radiation Changes
- 32. Abdomen and Pelvis: Changes on CT as a Result of Surgery, Chemotherapy and Interventional Procedures
- 33. PET and PET-CT Scanning of the Thorax, Abdomen and Pelvis
- 34. Musculoskeletal System in the Thorax, Abdomen and Pelvis
- 35. The Thoracoabdominal and Pelvic Musculoskeleton in Pediatrics
- 36. Physical Principles of MR Imaging Artifacts
- 37. Physical Principles of CT Artifacts
- 38. The Physical Principles and Clinical impacts of Ultrasound Artifacts