Written by the acknowledged experts, this book guides practitioners through the technical aspects of multidetector computed tomography (MDCT) and its site-specific clinical applications in the chest, gastrointestinal organs, genitourinary tract, vascular system, and musculoskeletal system.

The contributors explain the advantages of MDCT over single-slice CT in specific clinical situations and offer practical guidance for optimizing scanning protocols. State-of-the-art coverage includes 3-D rendering techniques, the virtual colonoscopy, CT angiography, and screening. Protocols for pediatric patients are included.