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Titolo	Handbook of cardiovascular CT [[electronic resource]] : essentials for clinical practice // Matthew J. Budoff, Jerold S. Shinbane, editors
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Descrizione fisica	1 online resource (267 p.)
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Disciplina	616.1075722
Soggetti	Cardiovascular system - Diseases - Diagnosis Cardiovascular system - Tomography
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cardiovascular CT Angiography: Concepts Important to Image Acquisition and Reconstruction -- Cardiovascular CT Imaging: Essentials for Clinical Practice -- Cardiovascular Calcium: Assessment and Impact of Interventions -- Assessment of Cardiac Function -- CTA as an IVUS Equivalent: Plaque Characterization and Percutaneous Coronary Intervention -- Coronary Angiography of Native Vessels -- Coronary CT Angiography after Percutaneous Coronary Intervention -- Coronary Angiography After Surgical Revascularization -- Perfusion and Delayed Enhancement Imaging -- Cardiac SPECT and PET: Complementary Roles with Cardiac CT -- CCT Imaging: Cardiac Electrophysiology Applications -- Pericardial/Myocardial Disease Processes -- Assessment of Cardiacand Thoracic Masses -- Computed Tomography Evaluation in Valvular Heart Disease -- The Aorta and Great Vessels -- Adult Congenital Heart Disease -- Cardiovascular CT: Assessment of the Lower Extremity Vasculature -- Imaging Decisions: Cardiovascular CT Versus Cardiovascular MR -- Radiation Safety: Radiation Dosimetry and CT Dose Reduction Techniques -- Competency, Appropriateness, and Quality in Cardiovascular CT -- Cardiac Anatomy by Computed Tomographic Imaging.
Sommario/riassunto	Cardiovascular computed tomography (CT) has evolved from novel technology to research tool to essential clinical imaging modality at an

astounding pace. The technology has great relevance for many medical and surgical disciplines focused on the treatment of cardiovascular disease. Thanks to the ability of CT to image anatomical, physiological and tissue characteristics of large and small vessel within seconds, and reconstruct multimodal two- and three-dimensional images within minutes, cardiovascular CT has facilitated practical clinical applications important to cardiovascular diagnosis, risk stratification and procedure guidance. Handbook of Cardiovascular CT: Essentials for Clinical Practice has been created as a primer to assist cardiologists, radiologists and other readers involved in cardiac imaging. The new wave in CT technology requires education and training focused on providing an understanding of the essentials of methodology, technique, and clinical image analysis. Reviewing the practical techniques and interpretation of the modality, this book's compact format provides a handy reference tool and provides the answers to important cardiovascular CT questions. The breadth and depth of the knowledge of the individual authors also ensures that the concise chapters are geared towards covering the essential topics, but with additional depth provided by the inclusion of teaching pearls as well as selected key images.
