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Titolo	Magnetic Resonance Imaging of Congenital Heart Disease // Mushabbar A. Syed and Raad H. Mohiaddin, editors
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ISBN	3-031-29235-9
Edizione	[Second edition.]
Descrizione fisica	1 online resource (432 pages)
Disciplina	616.12043
Soggetti	Congenital heart disease - Magnetic resonance imaging Heart - Magnetic resonance imaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction to Congenital Heart Disease Anatomy -- 2. Venoatrial Abnormalities -- 3. Septal Defects -- 4. Right Ventricular Anomalies -- 5. Pulmonary hypertension -- 6. Tetralogy of Fallot -- 7. Ebstein's Anomaly and Other Tricuspid Valve Anomalies -- 8. Abnormalities of Left Ventricular Inflow and Outflow -- 9. Single Ventricle and Fontan Procedures -- 10. Transposition of Great Arteries -- 11. Aortic Anomalies -- 12. Inherited Cardiomyopathies -- 13. Coronary Artery Anomalies -- 14. Pericardial Diseases -- 15. Cardiac Tumors -- 16. Stress MRI in Congenital Heart Disease -- 17. Pediatric Cardiovascular Magnetic Resonance -- 18. Fetal CMR imaging -- 19. Interventional Cardiovascular Magnetic Resonance -- 20. Emerging Roles for Cardiovascular Magnetic Resonance in Adult Congenital Heart Disease Electrophysiology -- 21. 3D Printing in Congenital Heart Disease.
Sommario/riassunto	This heavily updated textbook focuses on the use of cardiac magnetic resonance (CMR) imaging in pediatric and adult patients with congenital heart disease. Over past two decades, CMR has come to occupy an ever more important place in the assessment and management of patients with congenital heart defects (CHD) and other cardiovascular disorders. The modality offers an ever-expanding amount of information about the heart and circulation, provides outstanding images of cardiovascular morphology and function, is

increasingly being used to detect pathologic fibrosis, and has an expanding role in the assessment of myocardial viability. Magnetic Resonance Imaging of Congenital Heart Disease is an excellent foundation for any reader not familiar with the field whether they are imagers or clinicians who deal with cardiovascular disease. It also describes the technical details of MRI techniques to help the clinician understand the most important elements of CMR in assessing and managing their patients. In creating the book, the editors have assembled a world-renowned panel of contributors to review the use of CMR in CHD and make it accessible to those working in the field and to those who use the information derived from CMR in their clinical practice.
