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Nota di contenuto	Principles and Practice of Cardiac Magnetic Resonance in Congenital Heart Disease Form, Function, and Flow; ffirs.pdf; Contents; ftoc.pdf; List of Contributors; fbetw01.pdf; Acknowledgement; fbetw02(web).pdf; Foreword; fbetw03.pdf; Preface; fpref.pdf; PART I: The basics of cardiac MR; CHAPTER 1: Physics of cardiac MR and image formation; CHAPTER 2: Technical aspects of pediatric cardiac MR; CHAPTER 3: Assessment of morphology; CHAPTER 4: Assessment of ventricular function and blood flow; CHAPTER 5: Contrast cardiac MR - anatomy, physiology, viability and perfusion PART II: Cardiac MR of congenital and acquired pediatric heart diseaseCHAPTER 6: The normal cardiac magnetic resonance examination - ruling out congenital heart disease; CHAPTER 7: Abnormalities of the atria and systemic veins; CHAPTER 8: Abnormalities of the ventricles and pericardium; CHAPTER 9: MRI in conotruncal anomalies (except tetralogy of Fallot); CHAPTER 10:

Tetralogy of Fallot: morphology and function; CHAPTER 11: Aortic arch anomalies; CHAPTER 12: MR assessment of pulmonary circulation; CHAPTER 13: Valvular heart disease; CHAPTER 14: Imaging coronary arteries in children
CHAPTER 15: Other complex congenital heart disease - heterotaxy, complex spatial relationships, conjoined twins and ectopia cordis
PART III: Special topics in cardiac MR of pediatric and congenital heart disease; CHAPTER 16: Cardiac magnetic resonance of single ventricles; CHAPTER 17: Baffles and conduits; CHAPTER 18: Cardiac tumors; CHAPTER 19: Considerations in the post-operative patient; CHAPTER 20: Interventional magnetic resonance imaging; CHAPTER 21: Adult congenital heart disease
CHAPTER 22: Cardiovascular computed tomographic angiography: complementary role to magnetic resonance imaging
CHAPTER 23: Radiation in cardiac imaging in congenital heart disease; CHAPTER 24: Pediatric cardiovascular MRI in the outpatient private practice setting; CHAPTER 25: The role of the technologist in performing a cardiac MRI (CMR) exam; Index

Sommario/riassunto

Reviewing specific diseases in terms of the cardiac MR approach and procedures, this essential reference focuses fully on cardiac MR as it relates to congenital heart disease. Equipped with an atlas of images and their interpretation, this book will prove indispensable to any cardiac imaging lab.
