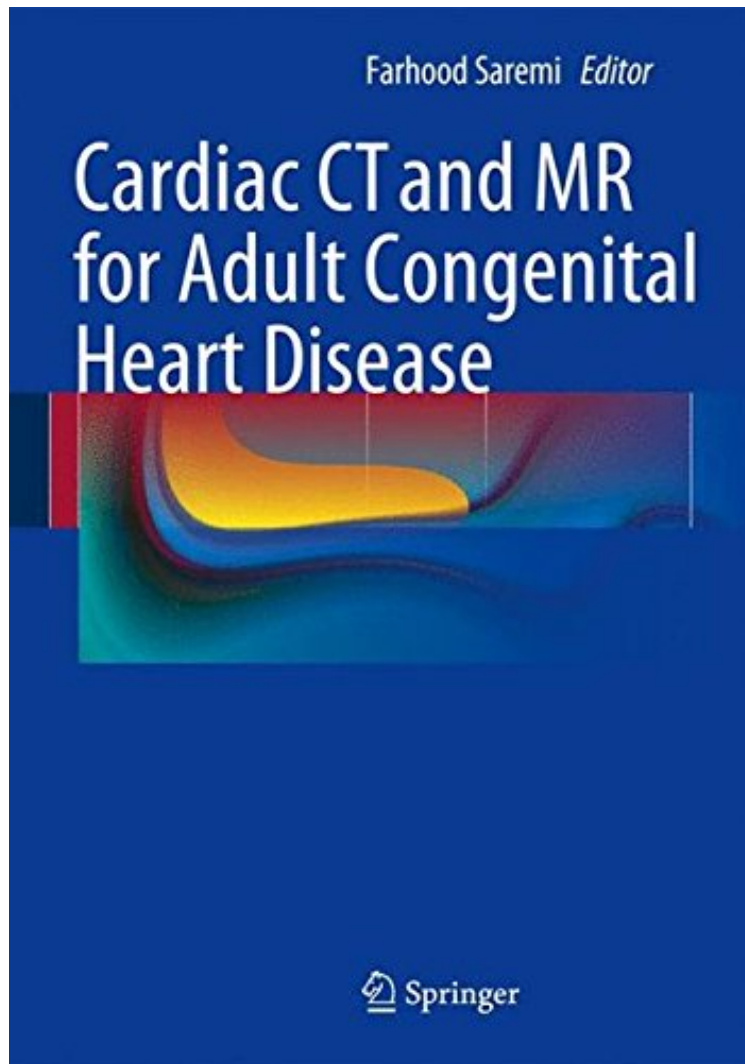


(Free read ebook) Cardiac CT and MR for Adult Congenital Heart Disease

## Cardiac CT and MR for Adult Congenital Heart Disease

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**From Ingramcontent :** Cardiac CT and MR for Adult Congenital Heart Disease before purchasing it in order to gage whether or not it would be worth my time, and all praised Cardiac CT and MR for Adult Congenital Heart Disease:

This is the first major textbook to address both computed tomography (CT) and magnetic resonance (MR) cardiac imaging of adults for the diagnosis and treatment of congenital heart disease (CHD). Since the introduction of faster

CT scanners, there has been tremendous advancement in the diagnosis of CHD in adults. This is mostly due to the higher spatial resolution of CT compared to MR, which enables radiologists to create more detailed visualizations of cardiac anatomic structures, leading to the discovery of anomalous pathologies often missed by conventional MR imaging. This book is unique in highlighting the advantages of both CT and MR for the diagnosis of CHD in adults, focusing on the complementary collaboration between the two modalities that is possible. Chapters include discussions of case examples, clinical data, MR and CT image findings, and correlative cadaveric pictures. The chapters focus not only on the diagnosis of the primary problem, but also give readers information on visual clues to look for that often reveal associated pathologies. This book appeals primarily to diagnostic and interventional radiologists, as well as cardiologists and interventional cardiologists.

From the reviews: This book illustrates the evolving use of computed tomography (CT) and magnetic resonance (MR) imaging in congenital heart disease. The increased number of adults with congenital heart diseases has resulted in a need for better imaging modalities, which this book provides. The intended audience includes CT/MR technicians, cardiology fellows, cardiac surgeons, cardiologists, and structural heart disease specialists. (Jonathan Bonilla, *Doodys Book s*, June, 2014)

From the Back Cover: This book is a state-of-the-art reference that presents computed tomography (CT) and magnetic resonance (MR) cardiac imaging for the diagnosis and treatment planning of adult congenital heart disease (ACHD). It highlights the advantages of CT and MR in the management of ACHD, focusing on the complementary collaboration between these two modalities where possible. CT and MR aids in the evaluation of cardiac anatomy and function, leading to the demonstration of the full spectrum of abnormalities in complex cardiac malformations and the discovery of anomalous pathologies missed by other imaging techniques. The book includes coverage of these topics: Basic principles and techniques of CT and MR for ACHD Common congenital heart problems in adults such as intracardiac shunts, right and left ventricular outflow tract abnormalities, repaired tetralogy of Fallot, cardiomyopathies, aortic arch maldevelopment, anomalous venous return, and coronary vessel anomalies Special considerations such as surgical management of adult patients with congenital heart disease, MRI in repaired congenital heart disease, virtual surgery in congenital heart disease, and cardiac MR in patients with implantable arrhythmia devices Featuring over 500 CT and MR cross-sectional and post-processed images, full color anatomic illustrations, and correlative cadaveric picture, this book is a valuable resource for radiologists, cardiologists, interventional cardiologists, and cardiothoracic surgeons.

About the Author: Farhood Saremi, MD, is Professor of Radiology in the Department of Radiology at Keck Hospital, University of Southern California. He received his medical degree from and completed his radiology residency at the University of Tehran where he subsequently served as Assistant Professor of Radiology. Upon moving to the United States, Dr. Saremi completed a radiology residency at the Keck School of Medicine, University of Southern California, and fellowships in neuroradiology and body imaging. He has previously served a joint appointment of Professor of Radiology and Medicine at the University of California, Irvine, as well as Chief of Cardiothoracic Section. To further his specialization in noninvasive cardiovascular imaging, Dr. Saremi completed subspecialty fellowships in Cardiovascular MRI at Duke Medical Center and Cardiovascular CT at University of California, Irvine.