



# Cardiovascular MRI in Congenital Heart Disease: An Imaging Atlas

By Shankar Sridharan, Gemma Price, Oliver Tann, Marina Hughes, Vivek Muthurangu, Andrew M. Taylor

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Muthurangu, Andrew M. Taylor

The last 10 years has seen explosive expansion of the number of centres performing cardiovascular magnetic resonance (CMR) imaging. The majority of this expansion has been in the field of adult ischaemic imaging, but congenital heart disease remains one of the main indications for CMR. Importantly, the greatly improved survival of patients with congenital heart disease gives us a burgeoning adult population living with the sequelae of the disease (grown-up congenital heart disease – GUCH). Without previous experience or formal training, the interpretation of CMR images of patients with congenital heart disease can be difficult. The main aim of this book is to create a portable resource that offers efficient access to high-quality MR (and where appropriate, CT) images of the common congenital and structural heart abnormalities. We hope that by providing key images for each condition and a clear interpretation of the MR appearances, we will improve the reader's understanding of the conditions, facilitate their interpretation of images and optimise the planning of the imaging protocols during their own practice of congenital CMR. As with any publication from a single institution, the contents of this book represent our own practice. We have not written a definitive or exhaustive description of the conditions.

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## **Editorial Review**

Review

From the reviews:

“Cardiovascular MRI in Congenital Heart Disease … is an excellent example of what a small imaging atlas should be. It is short but concise, filled with beautiful images and diagrams, and packed with high-yield information. … the still images are of excellent quality, and the findings are well demonstrated. … an excellent reference atlas for reviewing the appearance of congenital cardiac anomalies on MRI scans. … could be exceptionally useful to any reader asked to perform an MRI scan on patients with congenital heart disease.” (Daniel Cornfeld, Journal of the American Medical Association, Vol. 304 (21), December, 2010)

From the Back Cover

This new and unique clinical resource offers rapid access to high-quality images covering a broad spectrum of paediatric and adult cardiac pathologies visualized using MRI and CT. Key images of each condition and a clear interpretation of their MR appearances allow for greater understanding of the pathology. Focus is given to the planning of imaging planes, techniques and sequences to obtain the best images and improve MR assessment. This text would benefit all health professionals involved in imaging congenital cardiac disease.

## **Users Review**

**From reader reviews:**

**Wanda Stamper:**

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