

《动力心血管MRI Dynamic C》

图书基本信息

书名 : 《动力心血管MRI Dynamic Cardiovascular MRI》

13位ISBN编号 : 9783131330413

10位ISBN编号 : 3131330414

出版时间 : 2003-4

出版社 : Thieme Publishing Group (2003年4月24日)

作者 : Dominique Didier

页数 : 186

版权说明 : 本站所提供下载的PDF图书仅提供预览和简介以及在线试读 , 请支持正版图书。

更多资源请访问 : www.tushu111.com

《动力心血管MRI Dynamic C》

内容概要

Recent progress in MR imaging techniques has lead to a rapid increase in the number of clinical applications that benefit from the non— invasive imaging Of cardiovascular structures . These innovative imaging techniques present US with unique abilities for the investigation of anatomical structures as well as the functional performance of the heart and thoracic great vessels . This book and companion CD richly illustrate—with carefully selected pictures and dynamic video of typical clinical cases—the basic principles Of cardiovascular MR imaging techniques . while also providing a comprehensive review of the clinical applications of these techniques . The book iS conveniently organized into seven main chapters covering congenital heart disease , aortic anomalies , cardiac masses , valvular diseases。 pericardial diseases , cardiomyo—pathies and ischemic heart disease .

《动力心血管MRI Dynamic C》

书籍目录

1 Cardiac MR Imaging Techniques 1 . 1 Standard Views in Cardiac Imaging 1 . 1 . 1 Orthogonal Image Plane Orientation 1 . 1 . 2 Oblique Plane Positioning 1 . 1 . 3 Standard Orthogonal Views of the Heart 1 . 1 . 4 Oblique Cardiac Imaging Planes 1 . 2 Techniques and Imaging Sequences 1 . 2 . 1 Cardiac Gating(ECG Gating) 1 . 2 . 2 Lead Placement 1 . 2 . 3 How to Improve the Trace 1 . 2 . 4 MR Imaging Sequences 1 . 2 . 5 Multiplanar Scout Images(Localizers) 1 . 2 . 6 Cardiovascular Morphology 1 . 2 . 7 Cardiac Function 1 . 2 . 8 MR Angiography(MRA)Techniques 1 . 2 . 9 Contrast—Enhanced MRA 1 . 2 . 10 Flow Quantification and Velocity—Encoded Cine Sequences 1 . 3 Post—Processing and Rendering Techniques 1 . 3 . 1 Multiplanar Reformatting(MPR) 1 . 3 . 2 “ Thick—Slab ” MPR 1 . 3 . 3 Curved—Oblique Reformatted Images 1 . 3 . 4 Maximum Intensity Projections(MIP) 1 . 3 . 5 Surface Rendering and Volume Rendering2 Congenital Heart Disease 2 . 1 Major Indications of MRI in CHD 2 . 2 Imaging Techniques 2 . 2 . 1 Sedation . Monitoring and Patient Preparation 2 . 2 . 2 Spin—Echo Technique 2 . 2 . 3 Cine—MR Imaging 2 . 2 . 4 Flow—Sensitive Imaging Techniques 2 . 2 . 5 Gadolinium—Enhanced 3D MR Angiography 2 . 3 Segmental Description of Cardiac Anomalies 2 . 4 Thoracic Aortic and Aortic Arch Anomalies 2 . 5 Cono-Truncal Malformations and Complex Anomalies 2 . 5 . 1 Tetralogy of Fallot 2 . 5 . 2 Pulmonary Atresia 2 . 5 . 3 Double Outlet Right Ventricle 2 . 5 . 4 Truncus Arteriosus 2 . 5 . 5 Transposition of the Great Arteries 2 . 5 . 6 Single Ventricle 2 . 5 . 7 Tricuspid Atresia 2 . 6 Pulmonary and Systemic Venous Anomalies 2 . 7 Detection and Quantitative Analysis of Shunts . Stenoses and Regurgitations 2 . 8 Other Miscellaneous Anomalies 2 . 8 . 1 Ebstein ’ S Anomaly 2 . 8 . 2 Cor Triatriatum 2 . 9 Postoperative Evaluation of CHD in Adult Patients 2 . 9 . 1 Patency and Complications in Systemic—to—Pulmonary Artery Shunts 2 . 9 . 2 Surgical Repair of Tetralogy of Fallot and Cono-Truncal Malformations 2 . 9 . 3 Intracardiac Baffles and Patches 2 . 9 . 4 Arterial Switch Operation for Transposition of the Great Vessels3 Throacic Aorta 3 . 1 Coarctation of the Aorta 3 . 2 Aortic Arch Anomalies 3 . 3 Interrupted Aortic Arch 3 . 4 Cervical Aortic Arch 3 . 5 Aortic Aneurysms 3 . 6 Aortic Dissections 3 . 7 AOrtis 3 . 8 Aortic Thrombus4 Cardiac Masses 4 . 1 ClassificatiOn and Characte rization of Cardiac Masses 4 . 2 Primary Cardiac Tumors—Benign Tumors 4 . 2 . 1 Myxoma 4 . 2 . 2 Lipoma and Lipomatous Atrial Septum 4 . 2 . 3 Fibroma 4 . 2 . 4 Rhabdomyomas 4 . 3 Primary Cardiac Tumors—Malignant Tumors 4 . 3 . 1 Angiosarcoma 4 . 3 . 2 Rhabdomyosarcoma and Fibrosarcoma 4 . 3 . 3 Mesothelioma 4 . 3 . 4 Malignant Fibrous Histiocytoma 4 . 4 Secondary Cardiac Tumors 4 . 5 Non-Tumoral Cardiac Masses5 Valvular Heart Disease6 Pericardial Disease and Cardiomyopathy7 Ischemic Heart Disease8 Index9 Dynamic Cardiac MRI-Companion CD

《动力心血管MRI Dynamic C》

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:www.tushu111.com