1. Record Nr. UNINA9910337486803321 Autore Imazio Massimo Titolo Learning Cardiac Magnetic Resonance : A Case-Based Guide / / by Massimo Imazio, Monica Andriani, Luisa Lobetti Bodoni, Fiorenzo Gaita Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2019 **ISBN** 3-030-11608-5 Edizione [1st ed. 2019.] 1 online resource (207 pages) Descrizione fisica 616.1207548 Disciplina Soggetti Cardiology Cardiac imaging Cardiac surgery Oncology Angiology Cardiac Imaging Cardiac Surgery Oncology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto 1 Basic Physics for Clinicians -- 2 CMR setup and safety -- 3 CMR Methodology -- 4 Ischaemic Heart Diseases -- 5 Cardiomyopathies --6 Myocarditis -- 7 Cardiac Transplantation -- 8 Pericardial Diseases --9 Heart Valve Diseases -- 10 Masses and Tumours -- 11 Adult Congenital Heart Diseases -- 12 Aortic and Vascular Diseases -- 13 Pulmonary vein evaluation -- 14 CMR and devices -- 15 Common artefacts. This book provides an easy-to-use guide, giving cardiologists and Sommario/riassunto other physicians more confidence in training with and understanding cardiac magnetic resonance (CMR) in clinical daily practice. The casebased format promotes step-by-step learning and makes this book a helpful tool for students, residents and trainees in cardiology. An updated, comprehensive review of CMR diagnostic criteria is provided

for all clinical cardiovascular applications of CMR in adult patients, from ischemic heart diseases to myocarditis, and from pericardial diseases to

tumors, artifacts and incidental findings. CMR is an expanding imaging technique for cardiologists and radiologists alike. Despite several textbooks, manuals and dedicated texts, clinicians may still find it difficult to familiarize themselves with the exam and there are limited formats that provide easy access to the basic information (e.g. physics, specific applications) that are needed for training and clinical interpretation (especially case-based). By describing the basics of physics and methodology in a straightforward manner and providing meaningful clinical examples, this book will help all cardiologists dealing with cardiac imaging as well as doctors in training to quickly and accurately interpret CMR findings in their clinical practice.