



Cardiovascular Magnetic Resonance (Oxford Specialist Handbooks in Cardiology)

By Saul G. Myerson, Jane Francis, Stefan Neubauer

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Cardiovascular Magnetic Resonance (CMR) is a rapidly expanding imaging method in cardiology which provides unparalleled diagnostic information about the heart. It is however a complex technique and though the availability of scanners is increasing quickly, the expertise required to perform the scans is limited. While no book is a substitute for experience, this handbook provides an invaluable guide to performing and interpreting the scans which should aid both new and experienced operators.

Cardiovascular Magnetic Resonance is an indispensable guide to performing and interpreting CMR scans. What to look for, which sequences to include, how to acquire them, and how to interpret the images are all included in the handbook. The information is provided in a quick-reference, easy-to-use format with many images from real cases, and is designed to sit on the scanning console or in the office, providing a step-by-step guide to aid the CMR practitioner at every stage. All areas of cardiovascular imaging are covered, including tips and tricks for optimal imaging and how to avoid and spot artefacts. From patient safety to differential diagnoses of tricky images, to an easy to understand section on the science behind magnetic resonance, all aspects are covered in this concise yet comprehensive guide to this specialist area. Whether a novice or expert in the field, all readers should find this book a useful tool. It is an invaluable reference that no CMR department should be without.

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Editorial Review

Review

Overall, this is an excellent book that certainly fulfils the authors' description as a practical guide; however the book goes beyond this and will form a useful reference for both trainees and more experienced reporters alike. The book fills a niche between very basic pocket texts and the reference tomes. I will be recommending this book to all my CMR trainees as they start out in this field. *Cardiology News*

About the Author

Saul G. Myerson, *Honorary Consultant Cardiologist and Clinical Fellow, University of Oxford Centre for Clinical Magnetic Resonance Research, Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford, UK*, Jane Francis, *Chief Technologist, University of Oxford Centre for Clinical Magnetic Resonance Research, Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford, UK*, Stefan Neubauer, *Professor of Cardiovascular Medicine and Clinical Director, University of Oxford Centre for Clinical Magnetic Resonance Research, Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford, UK*

Saul Myerson is an honorary consultant cardiologist at the Department of Cardiovascular Medicine, John Radcliffe Hospital in Oxford. His clinical and research interests are in cardiovascular magnetic resonance and other non-invasive cardiac imaging and he has been performing CMR for over 10 years. He has published widely, is editor of *Emergencies in Cardiology* and a clinical fellow at the University of Oxford. He was president of the British Junior Cardiologists Association from 2005-2007.

Jane Francis is a career imaging technologist. Always ready for a challenge, she has worked in a varied number of positions before specialising in cardiac magnetic resonance. In 2002 Jane was appointed as the chief technologist at the University of Oxford Centre for Clinical Magnetic Resonance Research where she is involved not only in clinical cardiac MR but clinical research and imaging trials. She is the author and co-author of more than 100 peer-reviewed papers, posters and abstracts. She has been invited to speak on various aspects of cardiac MR both nationally and internationally and is an active member of the Society for Cardiovascular Magnetic Resonance, being a founding member of the technologists' committee and the chair from 2004-2006.

Stefan Neubauer is Professor of Cardiovascular Medicine and Clinical Director of the University of Oxford Centre for Clinical Magnetic Resonance Research (OCMR) at the Department of Cardiovascular Medicine, John Radcliffe Hospital, Oxford. His clinical work and research over the past 20 years has been devoted to the development and application of CMR. He has published more than 200 original research articles. Editorial positions and contributions to scientific bodies include his involvement with the Society for Cardiovascular Magnetic Resonance (President 2006-2007), Chairman of the British Society for Cardiovascular Magnetic Resonance, Associate Editor of the *Journal of Cardiovascular Magnetic Resonance*, Co-Editor of *Magnetic Resonance Materials*. Awards and Honours include the American Heart Association Paul Dudley White International Lectureship Award 2005 and the British Cardiovascular Society Thomas Lewis Lecture 2008.

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