

Springer

1st
edition

2012, XVII, 412 p.

Printed book

Hardcover

Printed book

Hardcover

ISBN 978-1-4419-1685-3

\$ 169,99

Available

Discount group

Medical (6)

Product category

Professional book

Other renditions

Softcover

ISBN 978-1-4939-4057-8

Medicine : Imaging / Radiology

Carr, James C., Carroll, Timothy J. (Eds.)

Magnetic Resonance Angiography

Principles and Applications

- Provides a comprehensive description of current techniques and clinical applications of MR angiography
- Written by internationally renowned experts in their respective fields
- Addresses both the technical and clinical aspects of MR angiography
- Describes the currently used clinical applications of MR angiography, emphasizing their practicality and utility in day-to-day practice
- Discusses the risks of Nephrogenic Systemic Fibrosis and safer alternatives to Gadolinium contrast agents

Magnetic Resonance Angiography: Principles and Applications is a comprehensive text covering magnetic resonance angiography (MRA) in current clinical use. The first part of the book focuses on techniques, with chapters on contrast-enhanced MRA, time of flight, phase contrast, time-resolved angiography, and coronary MRA, as well as several chapters devoted to new non-contrast MRA techniques. Additionally, chapters describe in detail specific topics such as high-field MRA, susceptibility-weighted imaging, acceleration strategies such as parallel imaging, vessel wall imaging, targeted contrast agents, and low dose contrast-enhanced MRA. The second part of the book covers clinical applications of MRA, with each chapter describing the MRA techniques and protocols for a particular disease and vascular territory, as well as the pathology and imaging findings relevant to the disease state being discussed. Magnetic Resonance Angiography: Principles and Applications is designed to bring together into a single textbook all of the MRA techniques in clinical practice today and will be a valuable resource for practicing radiologists and other physicians involved in the diagnosis and treatment of vascular diseases, as well as biomedical physicists, MRI technologists, residents, and fellows. Editors James C. Carr, MD, is the Director of Cardiovascular Imaging and Associate Professor of Radiology and Medicine at Northwestern University Feinberg School of Medicine, Chicago, Illinois, USA. Timothy J. Carroll, PhD, is the Director of MRI Research and Associate Professor in the Departments of Biomedical Engineering and Radiology at Northwestern University, Evanston, Illinois, USA.

Order online at springer.com/booksellers**Springer Nature Customer Service Center LLC**

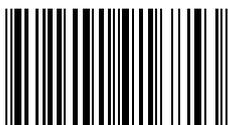
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-1-4419-1685-3 / BIC: MMPH / SPRINGER NATURE: SCH29005

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**