MRI from Picture to Proton

Third Edition

MRI from Picture to Proton

Third Edition

Donald W. McRobbieSouth Australian Medical Imaging, Adelaide, Australia

Elizabeth A. Moore
Global MR R&D, Royal Philips, the Netherlands

Martin J. Graves
Cambridge University Hospitals, Cambridge, UK



CAMBRIDGEHINDERSTTY PRESS

University Printing House, Cambridge CB2 8BS, United Kingdom

Cambridge University Press is part of the University of Cambridge.

It furthers the University's mission by disseminating knowledge in the pursuit of education, learning and research at the highest international levels of excellence.

www.cambridge.org

Information on this title: www.cambridge.org/9781107643239

@ Donald W. McRobbie, Elizabeth A. Moore and Martin J. Graves, 2003, 2007, 2017

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published: 2003 Second edition 2007 Third edition 2017

Printed in the United Kingdom by Clays, St Ives plc

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication data
Names: McRobbie, Donald W., 1958- , author. | Moore,
Elizabeth A. (Scientist), author. | Graves, Martin J., author.
Title: MRI from picture to proton / Donald W. McRobbie, Elizabeth
A. Moore, Martin J. Graves.

Description: 3rd edition. | Cambridge ; New York : University Printing House, Cambridge University Press, 2016. | Preceded by MRI from picture to proton / Donald W. McRobbie . . . [et al.]. 2nd ed. 2007. | Includes bibliographical references and index.

Identifiers: LCCN 2016008139 | ISBN 9781107643239 (pbk.)

Subjects: | MESH: Magnetic Resonance Imaging

Classification: LCC RC78.7.N83 | NLM WN 185 | DDC 616.07/548–dc23 LC record available at http://lccn.loc.gov/2016008139

ISBN 978-1-107-64323-9 Paperback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication, and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Every effort has been made in preparing this book to provide accurate and up-to-date information which is in accord with accepted standards and practice at the time of publication. Although case histories are drawn from actual cases, every effort has been made to disguise the identities of the individuals involved. Nevertheless, the authors, editors and publishers can make no warranties that the information contained herein is totally free from error, not least because clinical standards are constantly changing through research and regulation. The authors, editors and publishers therefore disclaim all liability for direct or consequential damages resulting from the use of material contained in this book. Readers are strongly advised to pay careful attention to information provided by the manufacturer of any drugs or equipment that they plan to use.