MRI in Practice (3rd Edition)

Catherine Westbrook, Carolyn Kaut Roth, John Talbot
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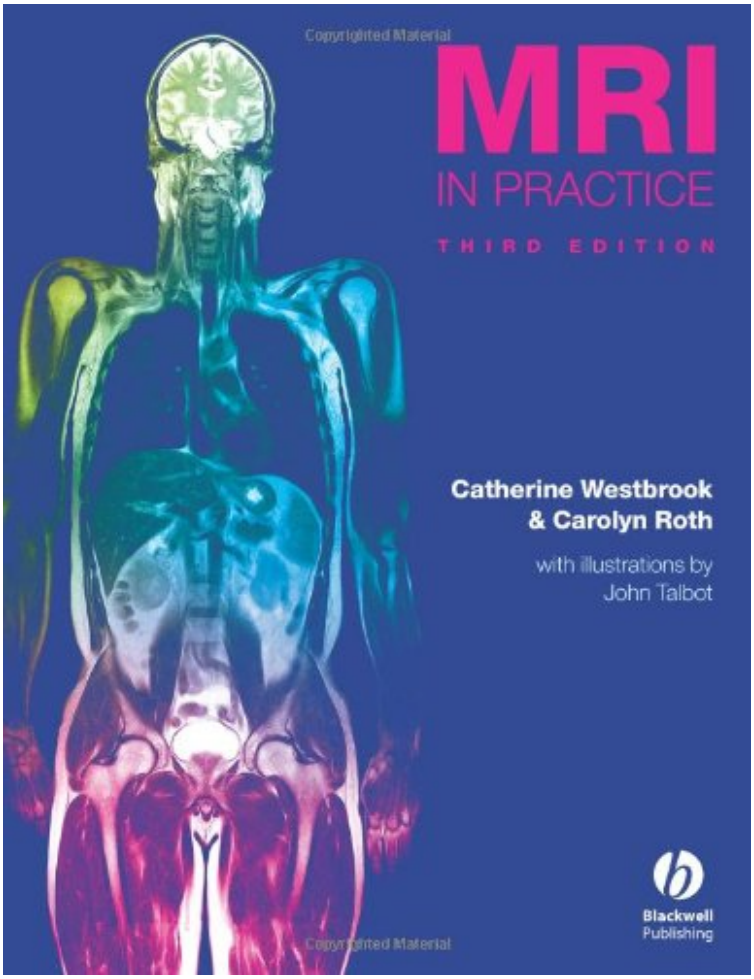

#496521 in Books 2005-06-30Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.70 x .90 x 7.40l, 2.18 #File Name: 1405127872424 pages | File size: 65.Mb

Catherine Westbrook, Carolyn Kaut Roth, John Talbot : MRI in Practice (3rd Edition) before purchasing it in order to gage whether or not it would be worth my time, and all praised MRI in Practice (3rd Edition):

1 of 1 people found the following review helpful. MRI BibleBy Will J. SchweizerWhen I was training at the University of Pennsylvania this book was known as our "Bible". In short, it comprehensivly covers MRI from Atoms to Zipper artifacts. The book can be a little technical at times but unfortunatly, that's MRI for you. It does a great job at explaining the basic concepts of MRI and then building on those ideas to explain the more complex ones (K-Space headaches anyone?). A must for any technologist serious about passing their boards or reviewing MRI physics and implimentation.3 of 3 people found the following review helpful. Best MRI physics bookBy JohnThis book is an easy to read book that provides an in-depth look at MRI physics. I used this as a review for the ARRT exam for MRI. It was a must buy.0 of 0 people found the following review helpful. Five StarsBy MelissaGreat condition!!

Since the first edition of MRI in Practice was published in 1993, the book has become the standard text for radiographers, technologists, radiology residents, radiologists and even sales representatives on the subject of magnetic resonance imaging. This text is essential reading on postgraduate courses. Furthermore, MRI in Practice has come to be known as the number one reference book and study guide in the areas of MR instrumentation, principles, pulse sequences, image acquisition, and imaging parameters for the advanced level examination for MRI offered by the American Registry for Radiologic Technologists (ARRT) in the USA. The book explains in clear terms the theory that underpins magnetic resonance so that the capabilities and operation of MRI systems can be fully appreciated and maximized. This third edition captures recent advances, and coverage includes: parallel imaging techniques, functional imaging techniques and new sequences such as balanced gradient echo. Building on the success of the first two editions, the authors have now re-conceptualized the design of the book. The third edition contains a wealth of additional illustrations and chapter enhancements draw on the depth of the authors' experience in delivering MRI education and training. To promote accessibility of difficult concepts, extended analogies have been developed to relate the complexities of MRI physics to everyday phenomena. Learning points are clearly articulated, and frequent summaries are included to assist the reader in digesting the information.

From the Back CoverSince the first edition of MRI in Practice was published in 1993, the book has become the standard text for radiographers, technologists, radiology residents, radiologists and even sales representatives on the subject of magnetic resonance imaging. This text is essential reading on postgraduate courses. Furthermore, MRI in Practice has come to be known as the number one reference book and study guide in the areas of MR instrumentation, principles, pulse sequences, image acquisition, and imaging parameters for the advanced level examination for MRI offered by the American Registry for Radiologic Technologists (ARRT) in the USA. The book explains in clear terms the theory that underpins magnetic resonance so that the capabilities and operation of MRI systems can be fully appreciated and maximized. This third edition captures recent advances, and coverage includes: parallel imaging techniques, functional imaging techniques and new sequences such as balanced gradient echo. Building on the success of the first two editions, the authors have now re-conceptualized the design of the book. The third edition contains a wealth of additional illustrations and chapter enhancements draw on the depth of the authors experience in delivering MRI education and training. To promote accessibility of difficult concepts, extended analogies have been developed to relate the complexities of MRI physics to everyday phenomena. Learning points are clearly articulated, and frequent summaries are included to assist the reader in digesting the information.About the AuthorCatherine Westbrook is a Senior Lecturer and MRI Field Leader at Anglia Polytechnic University, Cambridge, UK and external examiner, lecturer and advisor on several other postgraduate courses in MRI around the world. In the past, Cathy has been President of the British Association of MR Radiographers, Honorary Secretary of the British Institute of Radiology and Chairperson of the Consortium for the Accreditation of Clinical MR Education. Carolyn Kaut Roth is the Director of MRI Internship Programs Continuing Education for Technologists at the University of Pennsylvania Health Systems, Philadelphia, Pennsylvania, USA. In the past, Carolyn has served as President of the Section for Magnetic Resonance Technologists (SMRT), and is currently a Fellow of SMRT. She has lectured around the world and has published numerous books, articles and papers on the topic of MRI. Carolyn is also the CEO of Imaging Education Associates (IEA), a company that develops and produces computer-based education modules and educational curricula for radiographers educators. John Talbot is a Senior Lecturer at Anglia Polytechnic University, Cambridge UK and a leader in the development and production of e-learning materials. As well as lecturing MRI around the world, John is a gifted illustrator and his vision has been central to the re-shaping of the figures in the book.