



Practical MR Physics

By Alexander C. Mamourian

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The underlying physics of magnetic resonance imaging is a topic of considerable importance since a basic understanding is necessary to accurately interpret and generate high quality MR images. Yet it can be a challenging topic in spite of the best efforts of both teachers and students of the subject. Practical MR Physics reviews the basic principles of MR using familiar language and explains the causes of common imaging artifacts and pitfalls. The book will also be a helpful guide during review of clinical cases since the reader can look up specific imaging artifacts or pitfalls in the index. Featuring over 375 high quality images, numerous case examples, and concise, clinically oriented discussion of the physics behind the images, Practical MR Physics is an ideal resource for anyone who works in the field of MR imaging.

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Editorial Review

Review

"Practical MR Physics strives to make the physics of MR understandable, categorize various MR artifacts and demonstrate pitfalls. Treatment is non-mathematical and is dealt with in a conversational and easy to understand manner. The sprinkling of historical notes in this section make for interesting reading. This book would be one to which residents and fellows in neuroradiology should have access...a valuable addition to a section's library."--*American Journal of Neuroradiology*

The book is enjoyable to read and the numerous clinical MR images are of very good quality...Radiologists, medical physicists, and trainees in those disciplines who would like to better understand the impact of MR artifacts on clinical image interpretation will benefit from this book." --*Doody's*

About the Author

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