



## Duke Review of MRI Principles: Case Review Series, 1e

*By Wells Mangrum MD, Kimball Christianson MD, Scott M Duncan MD, Phil Hoang MD, Allen W Song MD, Elmar Merkle MD*

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**Duke Review of MRI Principles: Case Review Series, 1e** By Wells Mangrum MD, Kimball Christianson MD, Scott M Duncan MD, Phil Hoang MD, Allen W Song MD, Elmar Merkle MD

The newest title in the popular Case Review Series, *Duke Review of MRI Principles*, by Wells Mangrum, MD; Kimball Christianson, MD; Scott Duncan, MD; Phil Hoang, MD; Allen W. Song, PhD; and Elmar Merkle, MD, uses a case-based approach to provide you with a concise overview of the physics behind magnetic resonance imaging (MRI). Written by radiology residents, practicing radiologists, and radiology physicists, this multidisciplinary text introduces you to the basic physics of MRI and how they apply to successful and accurate imaging, interpretation, and diagnosis. Clinically relevant cases with associated questions and images reinforce your understanding of essential principles needed to confidently interpret a wide range of MRI images for all organ systems.

- Review the basic physics of MRI in a concise, high-yield manner and learn how to apply them for successful and accurate imaging, interpretation, and diagnosis.
- Master 17 essential MRI principles you need to know through clinically relevant cases accompanied by associated questions and 600 images that reinforce your understanding and help you confidently interpret a wide range of MRI images.
- Effectively diagnose disease in all organ systems. Authors are fellowship-trained in each body system – neuro, breast, body, vascular and MSK, providing you with practical guidance in every area
- Focus on the information that's most relevant to your needs from a multidisciplinary author team comprised of radiology residents, practicing radiologists and radiology physicists.
- See the underlying simplicity behind MRI physics. Despite employing the same MRI principles, similar imaging systems use slightly different names. A simplified explanation of these principles and how they are applied to each body system deepens your understanding and helps avoid any confusion.

All the MRI physics that the resident needs to understand to comfortably

interpret MRI

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Review

"As is true with all areas of radiology, one learns best when challenged with case material; the same applies to physics. So with this book, the principals of MR will "stick" because the concepts are tightly bound to questions, encouraging the reader to respond prior to reading the discussion which follows. This book is recommended for radiologists at all levels, since it is about the most painless way possible to develop and sustain an understanding of the basics of MR physics used in clinical interpretations of images." - American Journal of Neuroradiology

"This is a high quality book that succeeds in teaching MRI principles by using case examples, and thereby highlights the relevance of these principles to clinical practice. This is one of the best examples of the utility of a case-based approach for teaching I have seen. The book is clearly written and the image quality is excellent."- Bennett Greenspan, MD, MS (Medical College of Georgia) **5 star Doody Rating!**

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