This thoroughly revised second English edition succinctly introduces the physics and function of magnetic resonance imaging. The book is intended for students, residents, and technologists, in brief, all readers looking for an easy to understand and concise introduction to this fascinating yet somewhat complex imaging modality at the beginning of their MRI training. The book *How Does MRI Work? An Introduction to the Physics and Function of Magnetic Resonance Imaging* presents all important and clinically relevant aspects in a clearly structured manner. The emphasis is on practical information including the latest trends and developments that are relevant to MRI in the clinical setting. The opening chapters describe the underlying physical principles of the MR experiment and the basic pulse sequences commonly used in clinical MRI. Other chapters are dedicated to more advanced techniques such as parallel imaging and cardiovascular MR imaging. The book is rounded out by chapters on MR contrast media, artifacts, high-field imaging, and safety concerns. An extensive glossary offers rapid access to the most important MRI terminology.

Weishaupt
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How Does MRI Work?

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