Description

This updated edition of *The Physics of Clinical MR Taught Through Images* has been thoroughly rewritten and includes key information on how to apply an understanding of physics to improve diagnostic images. It teaches a practical approach to MR physics using images and emphasizes knowledge of the fundamentals that are important to achieving and maintaining high image quality using the readers MR equipment.

**Key Features:**

- Includes discussion of the latest hardware and software innovations in MR, such as advanced parallel RF transmission, MR-PET, and interventional MR
- Covers new imaging strategies critical to current and future advances, including compressed sensing and cartilage mapping, multi-shot EPI, and quantitative parametric mapping in the heart
- Cases presented use images from actual patient exams
- More than 600 high-quality clinical images illustrate concepts presented in the text

Radiologists, physicists, residents, and MR technologists will find this new edition to be a very useful reference that will help them quickly understand techniques and concepts in clinical MR that are taught visually through images.