



## **MRI from picture to proton**

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Magnetic resonance imaging (MRI) has become an essential investigation for many patients, particularly those with musculoskeletal, spinal or neurological abnormalities. As with many new technologies, its indications are expanding as technological improvements enhance its ability to facilitate diagnosis. In order to properly interpret these increasingly sophisticated MR images, a grasp of the physical principles is important.

This book offers a good overview of the physics and mathematics involved in the obtaining and processing of MR images. It is well illustrated, particularly with its line diagrams, which facilitate understanding of some of the more complex physical principles. The clinical images are of good quality and further augment comprehension. The book takes a difficult topic and presents it in a manner that facilitates understanding yet provides considerable details for those wanting a more sophisticated understanding of MRI. There are particularly good chapters on MR angiography and blood oxygenation level dependent imaging (functional MRI).

This book would appeal to radiologists, radiographers and scientists with a strong interest in MRI. It is likely to be too comprehensive for many clinicians, who may prefer a practical knowledge of MRI rather than sophisticated understanding of the physical principles. At NZ\$100 it represents good value and the authors should be commended for achieving the aims of writing an entertaining and interesting book, which deals with an inherently complex subject.

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