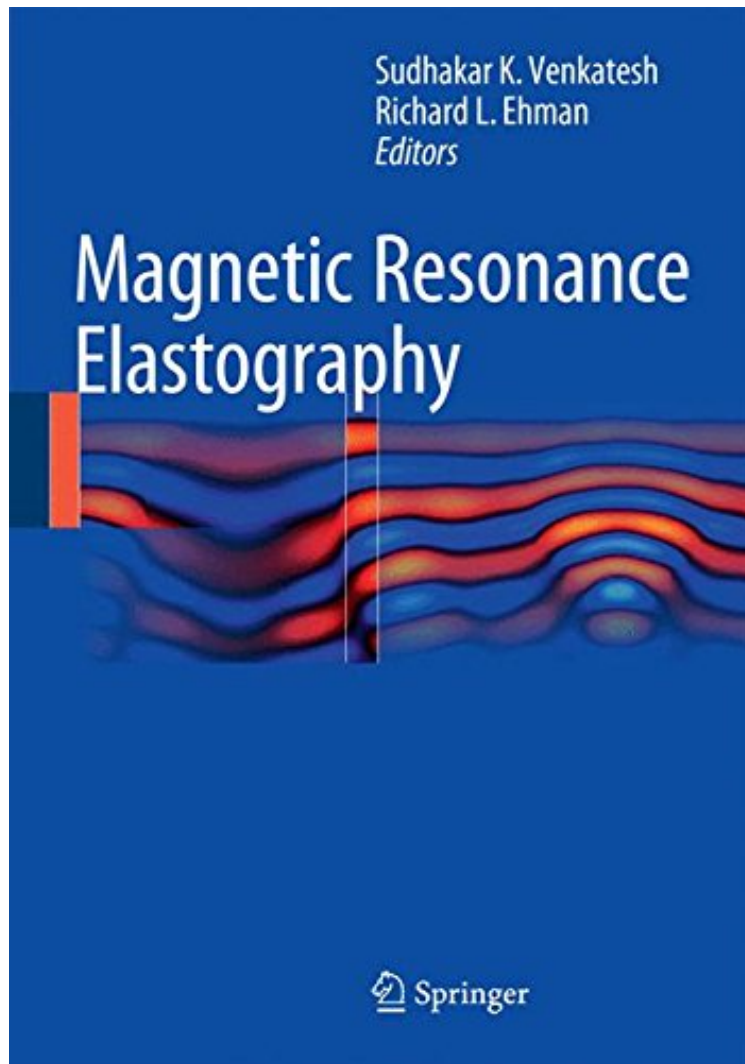


(Mobile ebook) Magnetic Resonance Elastography

Magnetic Resonance Elastography

From Springer

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From Springer : Magnetic Resonance Elastography before purchasing it in order to gauge whether or not it would be worth my time, and all praised Magnetic Resonance Elastography:

The first book to cover the groundbreaking development and clinical applications of Magnetic Resonance Elastography, this book is essential for all practitioners interested in this revolutionary diagnostic modality. The book is divided into three sections. The first covers the history of MRE. The second covers technique and clinical applications of MRE in the liver with respect to fibrosis, liver masses, and other diseases. Case descriptions are

presented to give the reader a hands-on approach. The final section presents the techniques, sequence and preliminary results of applications in other areas of the body including muscle, brain, lung, heart, and breast.

Magnetic resonance elastography (MRE) was first described in 1995 and since then has become widely used to investigate various organs as a research tool. In the last few years, the technique has entered the clinical arena and can be used instead of liver biopsy to assess hepatic fibrosis. There is a strong emphasis on clinical applications throughout the book, particularly regarding liver disease. This makes the book of interest to clinical radiologists as well as those involved in research. (Dr. Edmund Godfrey, RAD Magazine, September, 2015)From the Back CoverThis innovative book presents the development and clinical applications of magnetic resonance elastography (MRE), a new MRI-based imaging technology for quantitatively assessing the mechanical properties of tissue. Many disease processes cause profound changes in mechanical characteristics of tissue, but these changes can be completely invisible in examinations with conventional imaging technologies. MRE provides unique tissue information and powerful new diagnostic capabilities. The book begins with an accessible overview of the basic technology underlying MRE. Successive chapters provide coverage of the use of MRE to assess organ systems, including liver, skeletal muscle, brain, lungs, heart, breast, spleen, and kidney. The book is edited by Sudhakar Venkatesh, MD, a leader in the clinical use of this technology, and Richard Ehman, MD, the inventor of MRE. Magnetic Resonance Elastography is a valuable resource for radiologists, residents, fellows, technologists, hepatologists and scientists.