Record Nr. UNINA9910813870303321 Autore Mamourian Alexander C Titolo Practical MR physics : and case file of MR artifacts and pitfalls // Alexander C. Mamourian New York,: Oxford University Press, 2010 Pubbl/distr/stampa **ISBN** 0-19-045178-5 0-19-932271-6 1-282-54483-7 9786612544835 0-19-970676-X Edizione [1st ed.] 1 online resource (315 p.) Descrizione fisica Disciplina 616.07/548 Soggetti Medical physics Magnetic resonance imaging Nuclear magnetic resonance Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Contents; Preface; Acknowledgments; 1 MR PHYSICS; 2 MR ARTIFACTS; 3 MR PITFALLS: 4 TEN PUZZLERS: Index Sommario/riassunto The underlying physics of magnetic resonance imaging is a topic of considerable importance since a basic understanding is necessary to accurately interpret and generate high quality MR images. Yet it can be a challenging topic in spite of the best efforts of both teachers and students of the subject. Practical MR Physics reviews the basic principles of MR using familiar language and explains the causes of

specific imaging artifacts or pitfalls in the index.

common imaging artifacts and pitfalls. The book will also be a helpful guide during review of clinical cases since the reader can look up