

Contents

1 Principles of Magnetic Resonance	1
Wolfgang R. Nitz, Thomas Balzer, Daniel S. Grosu, and Thomas Allkemper	
2 Magnetic Resonance Imaging of the Brain	107
Paul M. Parizel, Luc van den Hauwe, Frank De Belder, J. Van Goethem, Caroline Venstermans, Rodrigo Salgado, Maurits Voormolen, and Wim Van Hecke	
3 Magnetic Resonance Imaging of the Spine	197
Johan W. M. Van Goethem	
4 Magnetic Resonance Imaging of the Head and Neck	225
Bert De Foer, Bernard Pilet, Jan W. Casselman, and Luc van den Hauwe	
5 Musculoskeletal System	265
Filip M. Vanhoenacker, Pieter Van Dyck, Jan Gielen, Arthur M. De Schepper, and Paul M. Parizel	
6 Abdomen: Liver, Spleen, Biliary System, Pancreas, and GI Tract	357
Peter Reimer, Wolfgang Schima, Thomas Lauenstein, and Sanjay Saini	
7 Abdomen: Retroperitoneum, Adrenals, Kidneys, and Upper Urinary Tract.	419
Gertraud Heinz-Peer	
8 MRI of the Pelvis	461
Dow-Mu Koh and David MacVicar	
9 MRI of the Chest	493
Hans-Ulrich Kauczor and Edwin J. R Van Beek	
10 Heart	517
James F. M. Meaney and John Sheehan	

11 MR Angiography	549
James F. M. Meaney, John Sheehan, and Mathias Boos	
12 MRI of the Breast	587
Uwe Fischer	
13 Magnetic Resonance Imaging of Pediatric Patients	611
Birgit Kammer, Hermann Helmberger, Claudia M. Keser, Eva Coppenrath, and Karl Schneider	
14 Whole-Body MRI	763
Gerwin Schmidt, Dietmar Dinter, Stefan Schoenberg, and Maximilian Reiser	
Subject Index	791



<http://www.springer.com/978-3-540-74501-3>

Clinical MR Imaging

A Practical Approach

Reimer, P.; Parizel, P.M.; Meaney, J.F.M.; Stichnoth, F.-A.

(Eds.)

2010, XX, 820 p., Hardcover

ISBN: 978-3-540-74501-3