
CLINICAL MRI



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*To my two daughters,
Sadie and Valerie,
with all my love*

Preface

Clinical MRI is intended to serve as a practical educational textbook for clinical magnetic resonance imaging (MRI). The bulk of the text is organized along anatomic lines and discusses disease entities commonly encountered in clinical practice. The final two chapters discuss in depth contrast media and contrast-enhanced MRI angiography, two topics deserving additional attention because of their clinical importance today. MRI physics per se is not discussed in a separate chapter, and the reader is referred to the many available texts for detailed reviews of this topic.

Emphasis is placed on disease entities that are routinely seen in the clinical practice of MRI. The focus is on common examinations, covering briefly in each area important points relative to imaging technique and discussing in depth clinical interpretation. Clinical cases serve as the backbone of this discussion.

The clinical applications of MRI continue to expand owing to both greater availability and advances in instrumentation. Progress in MRI has largely dominated the field of diagnostic radiology for the past 20 years. Today, MRI stands as a major diagnostic subspecialty. The sophisticated application of this technique and further advances dictate that MRI will continue to play a dominant role in clinical medicine for a long time to come.

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Contents

CHAPTER 1	Brain: Neoplastic Disease		1
CHAPTER 2	Brain: Hemorrhage and Vascular Anomalies		28
CHAPTER 3	Brain: Ischemic (and Atrophic) Disease		48
CHAPTER 4	Brain: White Matter Disease and Infection		78
CHAPTER 5	Brain: Congenital Disease		98
CHAPTER 6	Cervical Spine		117
CHAPTER 7	Thoracic Spine		156
CHAPTER 8	Lumbar Spine		174
CHAPTER 9	Neck, Oropharynx, and Nasopharynx		228
CHAPTER 10	Chest	Günther Schneider	243
CHAPTER 11	Abdomen	Günther Schneider	289
CHAPTER 12	Pelvis	Günther Schneider	353
CHAPTER 13	Musculoskeletal System	Mark H. Awh, Michael E. Stadnick, and Val M. Runge	383
CHAPTER 14	Contrast Media		454
CHAPTER 15	Contrast-Enhanced Magnetic Resonance Angiography		473
	INDEX		493

NOTICE

Radiology is an ever-changing field. Standard safety precautions must be followed, but as new research and clinical experience broaden our knowledge, changes in treatment and drug therapy may become necessary or appropriate. Readers are advised to check the most current product information provided by the manufacturer of each drug to be administered to verify the recommended dose, the method and duration of administration, and contraindications. It is the responsibility of the treating physician, relying on experience and knowledge of the patient, to determine dosages and the best treatment for each individual patient. Neither the publisher nor the editor assumes any liability for any injury and/or damage to persons or property arising from this publication.

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