



## Preface



Jeffrey J. Peterson, MD  
Guest Editor

Jeffrey J. Peterson, MD  
Assistant Professor of Radiology  
Department of Radiology  
Mayo Clinic Jacksonville  
4500 San Pablo Road  
Jacksonville, FL 32224, USA

E-mail address:  
[peterson.jeffrey@mayo.edu](mailto:peterson.jeffrey@mayo.edu)

I hope the reader will enjoy this issue of *Radiologic Clinics of North America*, which focuses on the current applications of MR imaging of the knee joint. MR imaging has had a remarkable impact on musculoskeletal imaging, and imaging of the knee for evaluation of internal derangement continues to be one of the most frequently performed examinations. This issue offers a thorough and insightful review of the anatomy and pathophysiology of the knee, and highlights many of the recent advances in knowledge and technology in regards to knee joint MR imaging. This issue also provides an up-to-date review of the various imaging sequences and techniques that can be useful for the evaluation of specific structures of the knee joint, and presents an enlightening update on methods to optimize image quality and MR performance. It seems every year

that we more fully understand the anatomy and the mechanics of knee joint injuries, and with continued advances in technology and sequence design, MR imaging reveals both the anatomy and the pathology of the knee joint with more precision and detail than previously possible.

I would like to express my sincere gratitude to the contributing authors for their exceptional work. Many long hours went into the preparation of each of these articles, and I would like to thank my colleagues for readily sharing their expertise. I would also like to thank Barton Dudlick and the remainder of the staff at Elsevier for their assistance on this issue. We hope you find the issue informative and educational, and a helpful resource for interpreting MR examinations of the knee.

This article was originally published in *Magnetic Resonance Imaging Clinics of North America* 15:1, February 2007.