MRI-Arthroscopy Correlations

A Case-Based Atlas of the Knee, Shoulder, Elbow and Hip

Stephen F. Brockmeier

Editor

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Section Editors
Stephen F. Brockmeier
John J. Christoforetti
Larry D. Field
Mark D. Miller
Michael J. O’Brien
Felix H. Savoie, III

With 522 Figures
To my wife Kristin, whom I love and admire more than anyone in this world
To my children, who keep me grounded, entertained, and provide a reason for my being
To my mentors, past and present, who have afforded me guidance, inspiration, and humility
Preface

The advent of magnetic resonance imaging scanning and the development of arthroscopic surgical techniques are the two principal events responsible for revolutionizing Sports Medicine to where it is today. The confluence of these two entities spans two specialties, Orthopedic Surgery and Radiology, and allows for increasingly accurate diagnosis of pathology and advanced treatment options to aid in optimizing patient outcomes and recovery.

This text, *MRI-Arthroscopy Correlations*, represents a microcosm of daily patient care. By aligning the MRI findings associated with the spectrum of problems seen in the most commonly treated joints in sports medicine with the diagnostic findings seen during arthroscopy of the same joint in the same patient, the reader is able to correlate this pathology and apply these findings to the clinic, the radiology reading room, or the operating suite. At our institution, we have found this type of interactive correlation to be an exceedingly effective tool for education and continued learning, an impetus for interdisciplinary research collaboration, and a critical part of our approach to optimum patient care. Furthermore, we have found this case-based correlation between MRI imaging and arthroscopic findings and treatment to be a well-received and effective method for teaching and discussion at meetings and instructional courses.

We have organized this book into four parts highlighting the four major joints in which MRI and arthroscopy are most commonly used in Sports Medicine: knee, shoulder, elbow, and hip. Each of the part editors, Dr. Mark D. Miller (knee), Dr. Felix H. “Buddy” Savoie III, Dr. Larry D. Field, Dr. Michael J. O’Brien (elbow), Dr. John J. Christoforetti (hip), and myself (shoulder), are nationally recognized experts, teachers, and pioneers in their respective areas of sports medicine and have covered the gamut of topics in each of their parts. Chapters are formatted to present an overview of the specific disease entity first, followed by selected cases chosen by the chapter authors that best illustrate common or noteworthy disease entities or pathology with an emphasis on the parallel MRI imaging and arthroscopic findings.

I want to thank Drs. Miller, Savoie, Field, O’Brien, and Christoforetti for their tremendous contributions to this book, and I also want to thank the many contributing authors for volunteering their time, expertise, and cases to make this book successful.

We hope you find this book interesting and educational and that it fosters similar collaboration in your practices and institutions.

Charlottesville, VA, USA

Stephen F. Brockmeier
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