

Key Features:

- Uses a step-by-step, evidence-based approach to cover biomechanically validated surgical techniques and postoperative rehabilitation, enabling surgeons and physicians to more comprehensively treat sports medicine knee injuries.
- Covers the basic anatomy and biomechanics of the knee alongside more advanced objective diagnostic approaches and easy-to-follow treatment algorithms.
- Provides an easy-to-understand review of pathology with clear, concise text and high-quality illustrations.
- Demonstrates the importance and function of the ligaments and meniscus with exquisite anatomical illustrations and numerous biomechanical videos.
- Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

Περιεχόμενα:

- 1. Comprehensive Clinical Examination Geeslin, Andrew / John Feagin**
- 2. Imaging of the Knee Joint**
 - **Radiographic Evaluation of the knee Joint – Brett Frisch**
 - **Magnetic Resonance Imaging of the Knee: Conventional and Novel Techniques – Hollis Potter**
 - **Computed Tomography: Indications and Significance - Tim, Spalding**
- 3. Mechanical Malalignment of the Knee Joint: How and When to Address – Getgood**
- 4. Ligamentous Pathology (Anatomy, Biomechanics, Diagnosis, Treatment Algorithm, Conservative Approaches, Surgical Techniques, Outcomes, Rehabilitation, Future Directions)**
 - **Anterior Cruciate Ligament - Freddie Fu / Musahl**
 - **Posterior Cruciate Ligament - Chahla**
 - **sMCL and the Posteromedial Corner - Lind**
 - **Posterolateral Corner of the Knee - LaPrade**
 - **Anterolateral Ligament and the Anterolateral Corner – Sonnery Cotet**
 - **Multiligament Injuries – Moatshe / Engebretsen**
- 5. Meniscal Pathology**
 - **Meniscus Anatomy - Spalding**
 - **Meniscus Biomechanics - Levy**

- **Meniscal Tears – Meniscectomy vs Repair - Faucett**
- **Meniscal Root Tears - Krych**
- **Meniscal Radial Tears – Pujol, Nicholas**
- **Meniscal Ramp Lesions - DePhilippo**
- **Meniscus Deficiency and Meniscal Transplants - Verdonk**
- **Synthetic Meniscal Substitutes - Rodeo**

6. Cartilage and Subchondral Bone Pathology

- **Articular Cartilage: Micro and Macrostructure. Biology and Clinical Implications - Latterman**