VirtaMed provides orthopedic surgeons with the most advanced and comprehensive training system available for diagnostic and therapeutic arthroscopy.

Quality didactic tutorials introduce and explain «best practice» in core procedural techniques.

Highly realistic case simulations provide a hands-on experience that includes performing a safe and effective procedure and managing complications.

Meaningful and useful objective feedback completes the learning process.

Virtamed® Platform with Original Instruments

- Original arthroscope and instruments provide a complete simulation experience and facilitate familiarization with instruments:
  - In- and outlet valves for fluid handling
  - 3 virtual cameras: 0º, 30º and 70º
  - Surgical tools such as a palpation hook, grasper, cutting punch or shaver
- Anatomic knee model provides realistic tactile sensation
- High-end PC with 23” multi touch-screen, mouse, keyboard
- Movable display cart with height-adjustable screen

Virtamed® Training Software ArthroS™ Knee

- 9 cases for basic skills training:
  Guided triangulation, diagnostic & therapeutic arthroscopies
- 8 patients for diagnostic arthroscopy
  Meniscus lesions, unhappy triad and arthrosis grade I-III
- 11 patients for therapeutic arthroscopy
  Different meniscus lesions, synovial membrane inflammations, loose body removal
- Courses designed for beginners, intermediate trainees and advanced arthroscopists

Would you like to know about upcoming demo opportunities and watch movies of virtual procedures? Please visit us online on www.virtamed.com or scan the mobile tag on the right for more information.
VIRTUAL PATIENTS PROVIDING THE FULL CURRICULUM FOR ARTHROSCOPY

**Arthroscopy Basic Skills**
9 guided basic skill training courses fully integrated into a realistic simulation. Mastering these basic tasks enables trainees to perform a complete arthroscopy more easily and in an efficient, professional way.

**Learning objectives:**
- Learn the correct way to perform a diagnostic tour
- Correctly handle the instruments without causing cartilage damage inside the knee
- Detect and eliminate lesions and malformations in a safe and efficient manner
- Understand the concept of triangulation

**Diagnostics**
Perform a guided diagnostic arthroscopy tour through different portals.

**Catch the stars**
Find and remove all stars hidden below the meniscus, between ligaments or bones.

**Meniscus cutting**
Visually guided meniscus resection including helpful resection map.

**Diagnostic Knee Arthroscopy**
8 patient cases with varying level of difficulty offer the trainee the chance to perform complete diagnostic arthroscopic interventions. Patients include different meniscus lesions, unhappy triad and arthrosis grade I-III.

**Learning objectives:**
- Inspect the knee completely and describe visible lesions
- Safely handle the instruments to avoid collisions with the tissue

**Surgical Knee Arthroscopy**
11 patients with various lesions in different locations provide training for the first steps in operative arthroscopy using the operating equipment. Patients include different meniscus lesions, synovial membrane inflammations and loose body removal.

**Learning objectives:**
- Inspect the knee completely and describe visible lesions
- Cut and shave out a region around the lesion
- Grasp and remove the chips from the knee
- Analyze and review the operation