



Simendo arthroscopy

product information +

You are en route for the perfect choice

Simendo offers an exceptional simulator that combines everything you need for the ultimate training experience

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Our state-of-the-art, scientifically validated training programs provide training that trains important steps and skills for arthroscopic surgery.

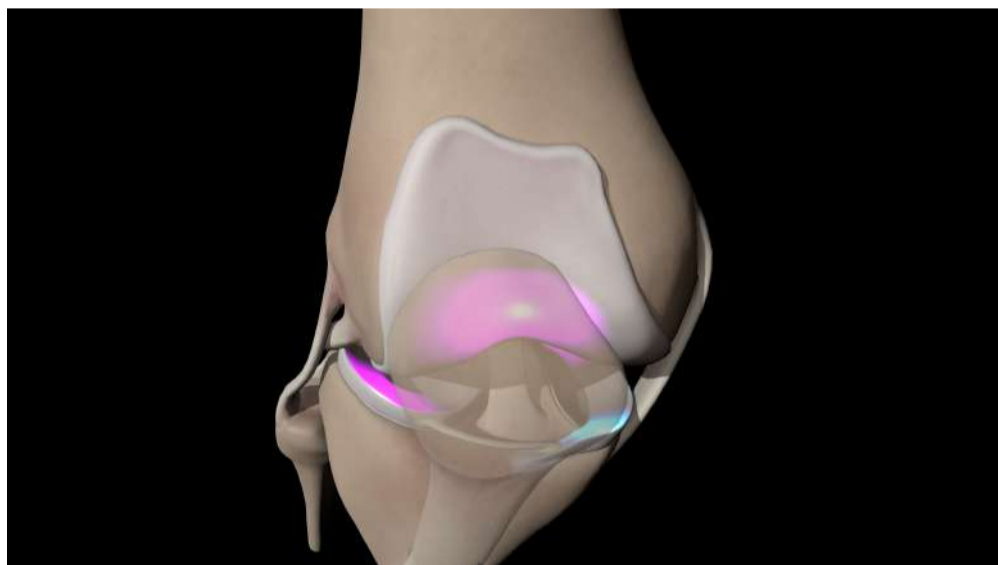
The arthroscopy simulator is connected to our online platform for metrics, certification, and competition.

- + Built-in validated curricula for knee and shoulder
- + Train and improve arthroscopic skills
- + Obtain a digital certificate when passing a curriculum
- + Unlimited registrations
- + VR ready (in development)

The Arthroscopic Knee Training Program

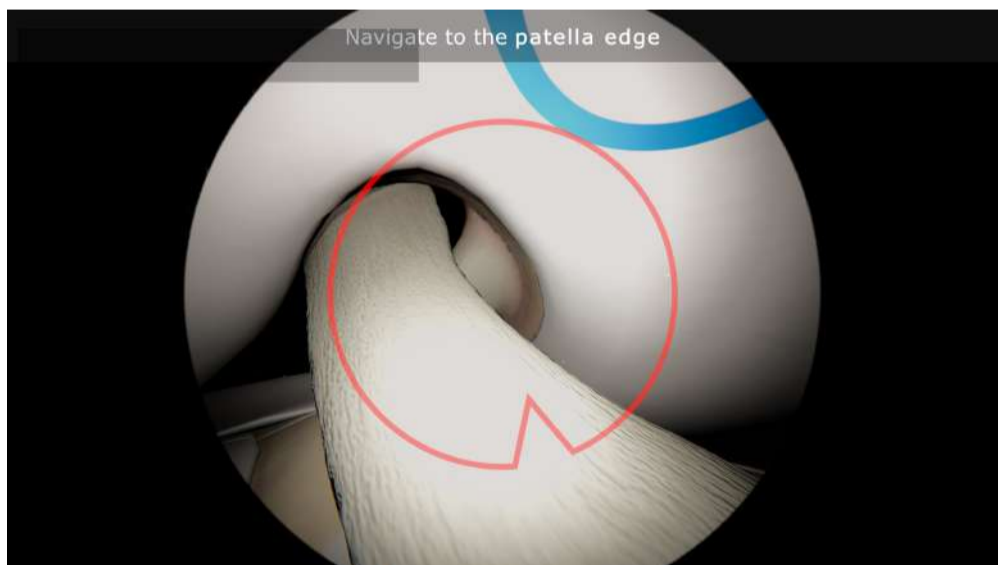
Our comprehensive program is designed to equip trainees with the essential skills needed to safely and effectively perform arthroscopic knee operations. Through hands-on training, trainees will learn to identify key anatomical landmarks and manipulate the lower leg to create optimal surgical spaces.

As trainees progress, they will advance to navigating through the intricate structures of the knee joint, mastering the use of a 30-degree camera and surgical instruments simultaneously. Our curriculum is backed by scientific validation, ensuring its efficacy and reliability.



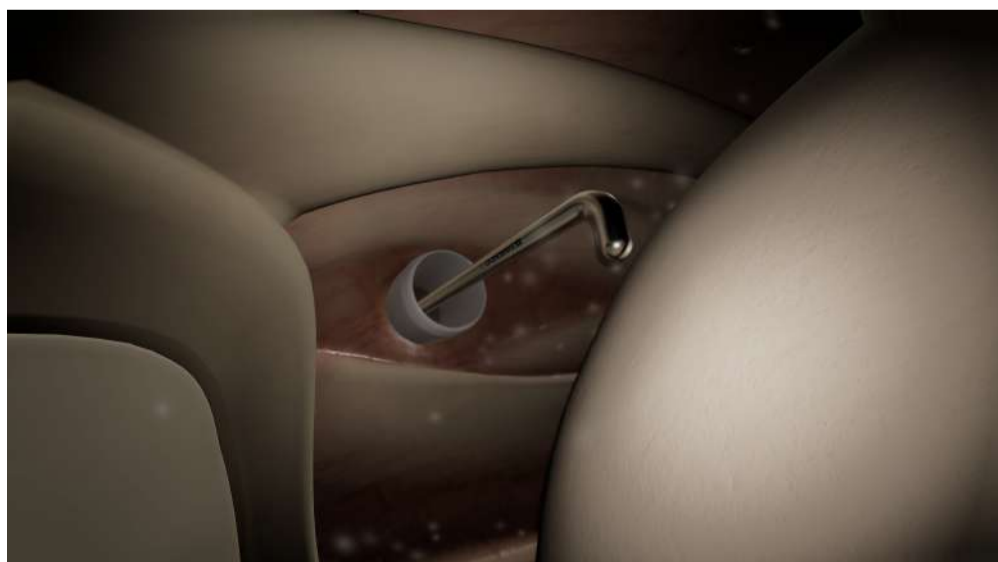
Creating space

The challenges in arthroscopic surgery include the mirrored and two-dimensional view, combined with the complex geometry of the knee and the movements required to create the necessary working spaces.



Navigate with an angled endoscope in the knee

The trainee has to find all landmarks in the knee by combining valgus/varus stressing, flexion/extension and manipulating the 30 degrees arthroscope.



Knee inspection

Inspect the knee using an instrument alongside an arthroscope while simultaneously creating space. This exercise builds upon the previous ones, closely mimicking a real operation, as it is a standard procedure in arthroscopic surgery.

Our Arthroscopic Shoulder Training Curriculum

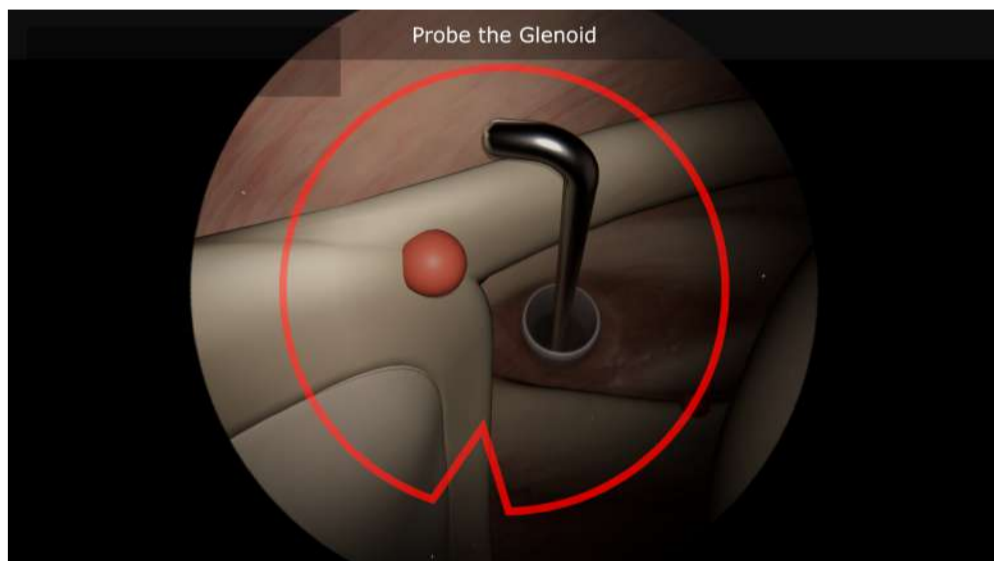
Our specialized program is tailored to provide trainees with essential skills for safely and proficiently conducting arthroscopic shoulder surgeries. Participants will master the intricate technique of working with instruments in the contra direction to the camera, a challenging aspect of minimally invasive surgery.

The curriculum encompasses a series of tasks commonly encountered in shoulder arthroscopy, including shoulder inspection and diagnosis of SLAP lesions, Bankart lesions, and bicipital tendonitis. Our module offers training opportunities in both Beach Chair and Lateral Decubitus positions.



Shoulder navigation

Navigate to specific landmarks in the shoulder joint is a prerequisite for performing any arthroscopic shoulder procedure. The student has to find the following 12 locations in the synovial joint in clockwise & anti-clockwise order.



Shoulder inspection

There is a range of competition exercises to choose from, and peers can follow the rankings online at [MySimendo.com](https://www.mysimendo.com).



Shoulder diagnose

Need support? With the full license, you have access to our support center to ensure your simulator is always up and running.

About Simendo

Simendo was founded in 2010, and we have over a decade of experience in medical simulation. Our goal is to establish a worldwide standard for handling minimally invasive skills by providing a modern training solution that surgeons can use at any time without physical supervision. To this end, we have developed a range of training programs that allow trainees to practice in a safe, virtual environment. Every month, over 15,000 Simendo scores are submitted to our online platform, with over 5,000 registered surgical trainees.

The mobile solution



In cooperation with our trusted partner Gefken Cases, a Dutch company specialized in designing and producing custom-made casings and interiors, we have developed a mobile solution for the Simendo laparoscopy and arthroscopy simulator.

Why go for simulation?

Standardizing training becomes effortless through the implementation of computerized simulation. Each trainee encounters identical tasks and receives immediate feedback. With the simple press of the spacebar, exercises can be reset, allowing for endless repetitions of training scenarios like laparoscopic cholecystectomy without any waste or additional cost.

The Simendo simulator eliminates the need for laparoscopic towers, instruments, cameras, or any extra equipment, offering a streamlined and cost-effective solution.

Publications

Choosing to implement mandatory training is a crucial decision, one that requires a foundation built on scientific rigor and evidence. At Simendo, we prioritize this foundation by fostering close partnerships with esteemed academic centers and universities. Through these collaborations, we not only drive innovation in our product offerings but also contribute to the advancement of knowledge through new publications and validation articles. It is from these credible sources that the basis for our certification scores is derived, ensuring the highest standards of quality and effectiveness in our training programs.

For more references to articles and publications, visit our website at:

www.simendo.eu

Making better surgeons.

Contact

Feel free to contact us if you would like to receive purchase information about the Simendo laparoscopy trainer or any of our other products.

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