



Simendo laparoscopy

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.

Our state-of-the-art, scientifically validated training programs provide training for all levels and all laparoscopic disciplines, including surgery, gynecology, urology, and OR Nurses.

This simulator enables the user to train laparoscopic skills to a high level and provides certification programs. The laparoscopy trainer is connected to our online platform for metrics, certification, and competition.

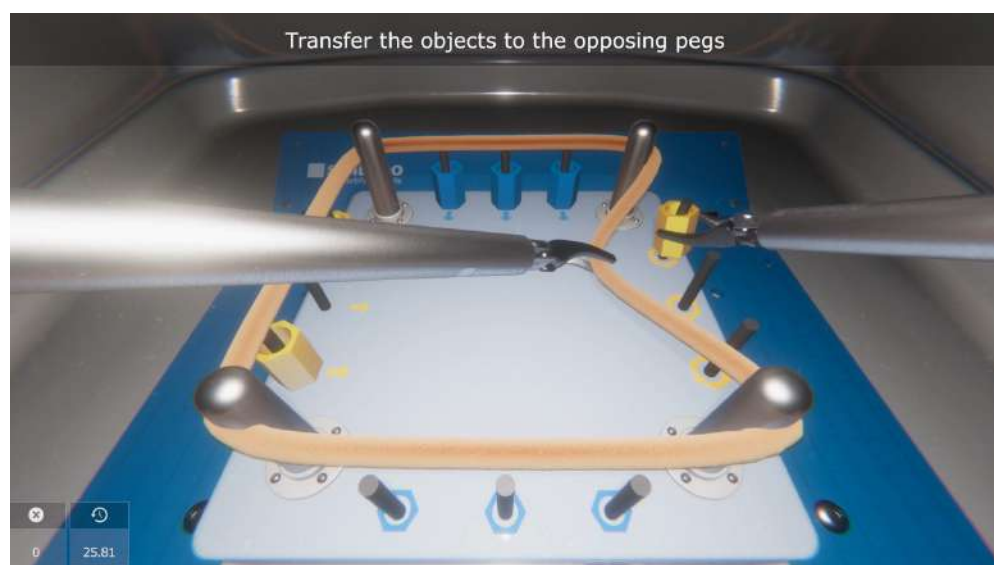
- + Built-in validated curricula for every level of surgery
- + Train and improve laparoscopic skills
- + Obtain a digital certificate when passing a curriculum
- + Built-in competition exercises
- + Add-ons available
- + Unlimited registrations
- + Can connect with Simendo VR

Laparoscopic fundamentals

Basic Licence

With the basic license, you have access to the novice, intermediate, bi-manual, and knot-tying training curricula. Each curriculum is crafted in collaboration with laparoscopic experts to ensure a high standard. The basic license also includes access to the laparoscopic skills arena, which consists of exercises specifically designed for peer competition. The basic license requires a one-time fee with no subscription costs.

Below, we have highlighted a small selection of exercises.



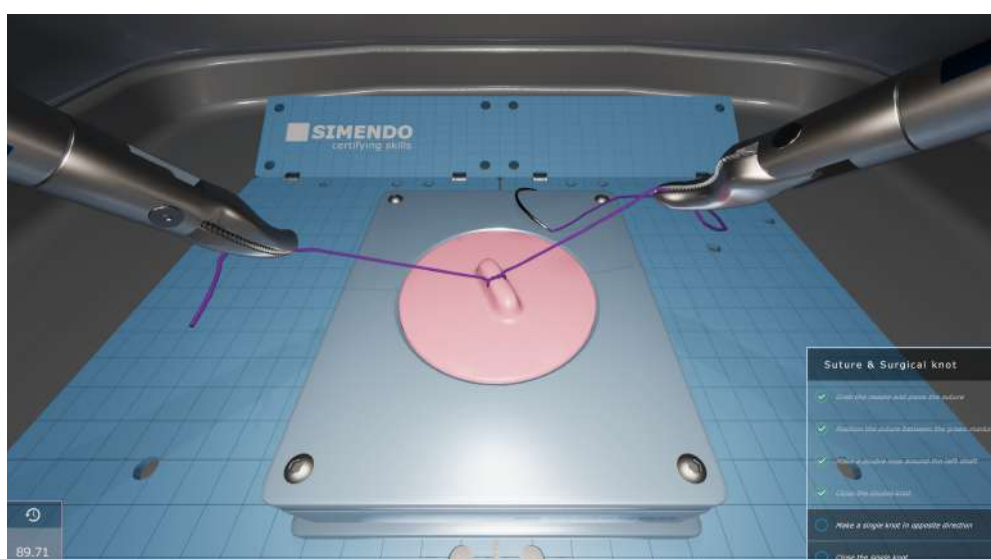
Peg transfer

Loop the elastic band around the pillars, then transfer the pegs to the other side without allowing them to touch the cord.



Clip a vessel

Accurately place four clips around the vessel. When closing the clips, ensure that both tips are visible on both sides, indicating the vessel is fully closed.



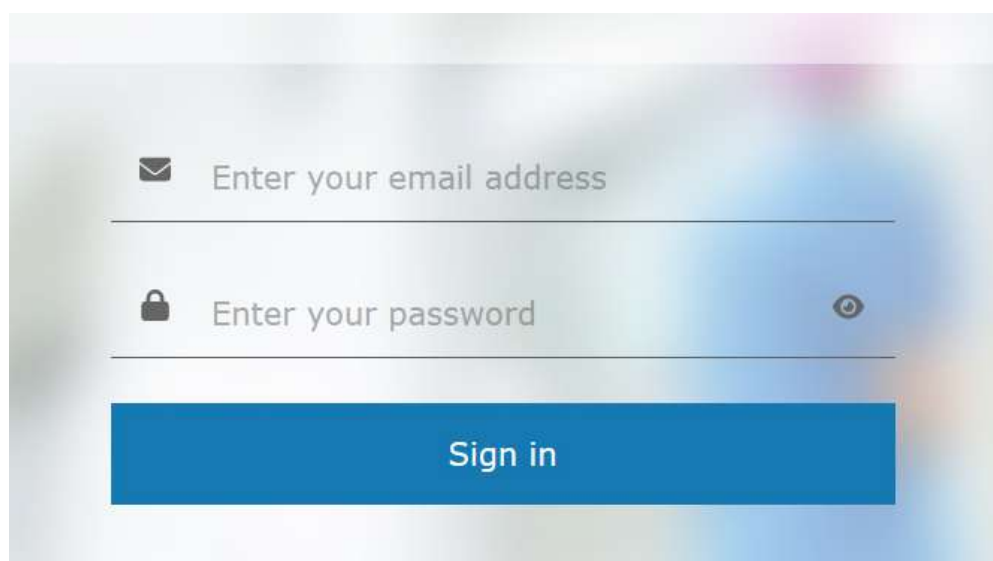
Suturing

A step-by-step curriculum to learn the important skills for suturing and intracorporeal knot-tying.

Laparoscopic fundamentals

Full licence

Ensure your simulators stay current with all available options. With the full licence, you have access to the Laparoscopic Fundamentals and our online platform MySimendo.com for metrics, software updates, analytics, support during the licence term, online skills arena, and much more. For the full license, an annual subscription is required.



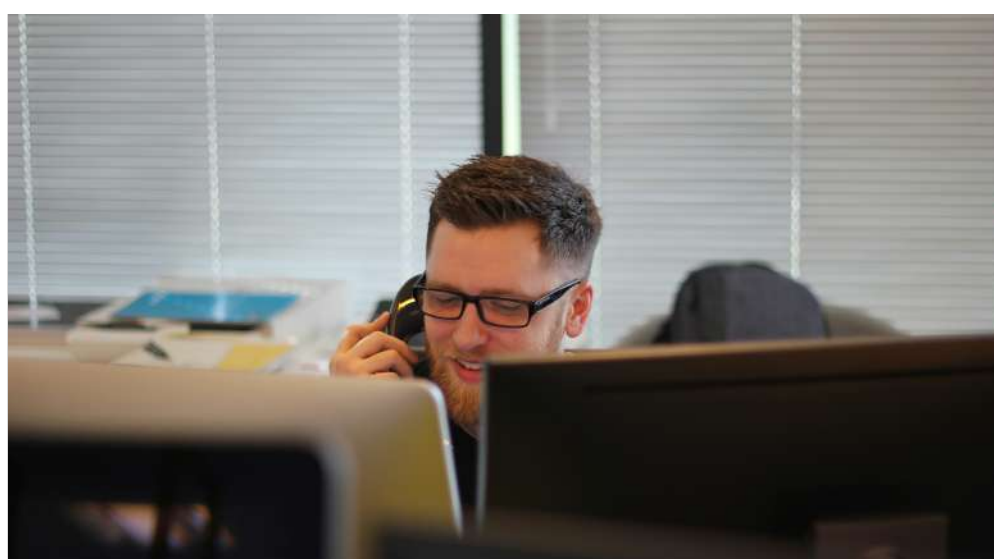
Access to MySimendo.com

The most advanced scoring platform for metrics, certification, and online competition against peers.



Online competing

There is a range of competition exercises to choose from, and peers can follow the rankings online at MySimendo.com.



Service and support

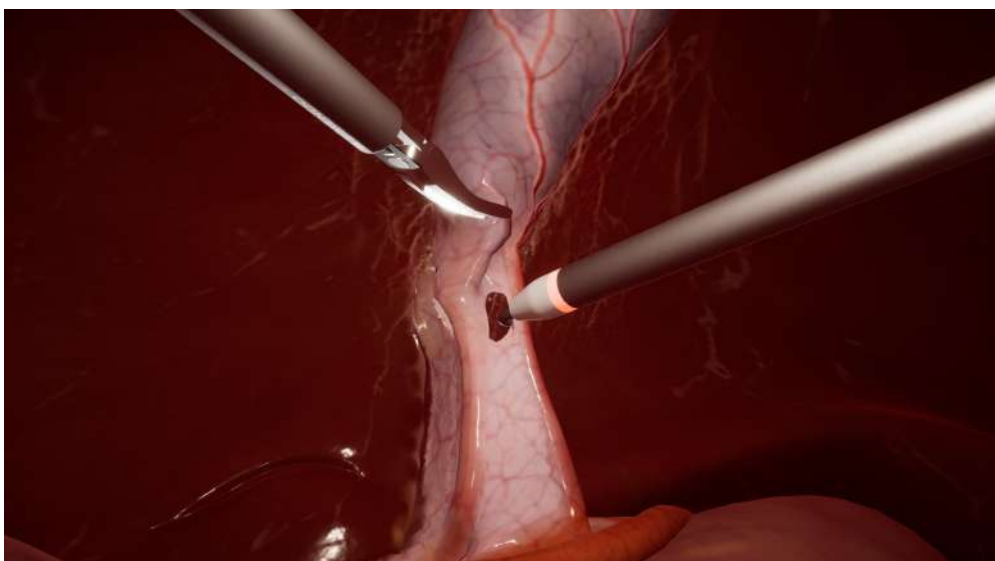
Need support? With the full license, you have access to our support center to ensure your simulator is always up and running.

Laparoscopic cholecystectomy

Add-on +

Learn the most important steps for removing a gallbladder from the liver with this add-on. In close cooperation with laparoscopic experts, we developed a step-by-step approach for a laparoscopic cholecystectomy. We applied the latest technologies and advanced algorithms for the ultimate experience. This module improves patient safety, provides optimal preparation, instant feedback, and you can train endlessly without extra cost or waste of materials.

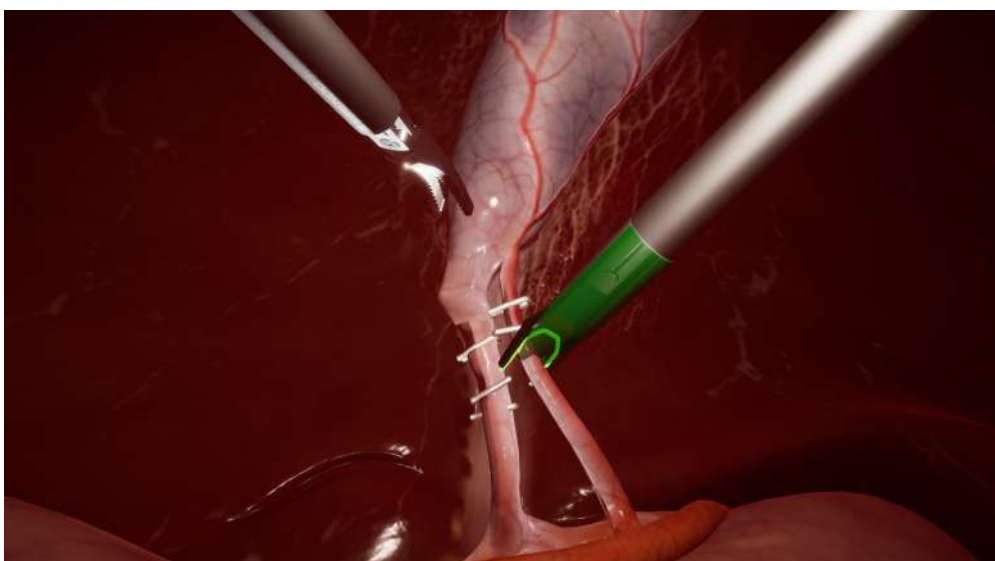
The module is divided into the following steps:



Establishing the critical view of safety (CVS)

Instruments: HF hook and curved grasping forceps.

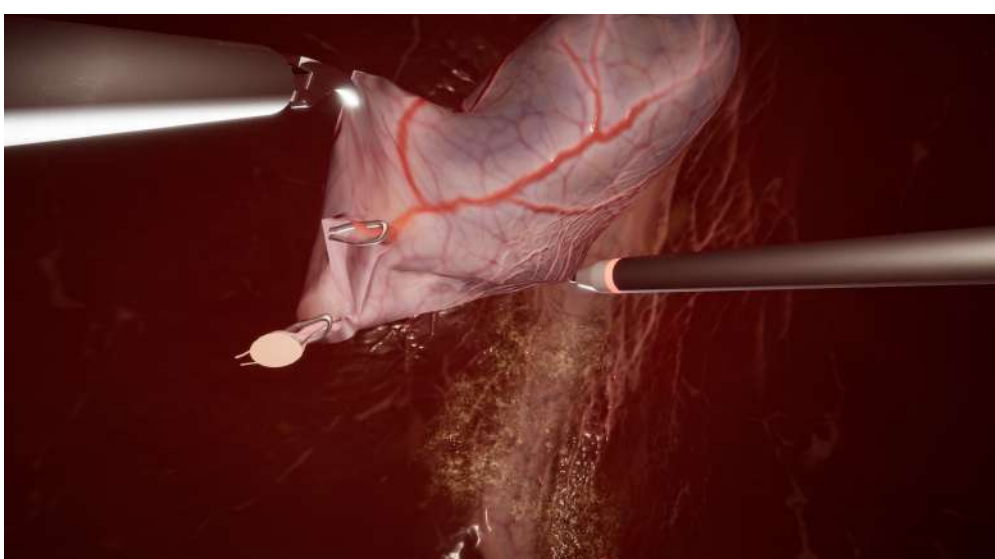
In the first step, the trainee learns to establish the critical view of safety by identifying and exposing the cystic artery and cystic duct.



Clipping and cutting the cystic artery and cystic duct

Instruments: clip applier, curved grasping forceps, and then scissors.

Once the CVS is established, the software automatically switches to step 2, clipping and cutting the cystic artery and cystic duct.



Detaching the gallbladder

Instruments: HF hook and curved grasping forceps.

The last step involves using the HF hook to dissect out the gallbladder from its gallbladder bed, moving from the infundibulum towards the fundus.

0 and 30 degrees camera training

Add-on +

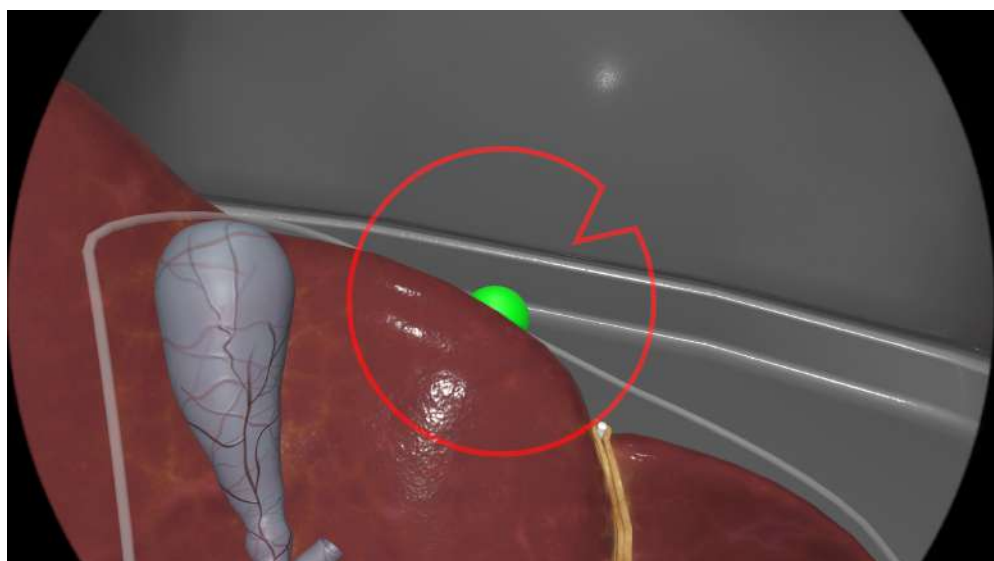
Master the important skills that are essential for every laparoscopic surgeon and camera assistant. This add-on teaches the trainee a set of skills to improve the handling and to understand the principles of the laparoscope. The exercises are bundled in two training programs, one for 0 degrees and one for the 30 degrees laparoscope. Each training program can be purchased separately.

Below, we have highlighted a small selection of exercises.



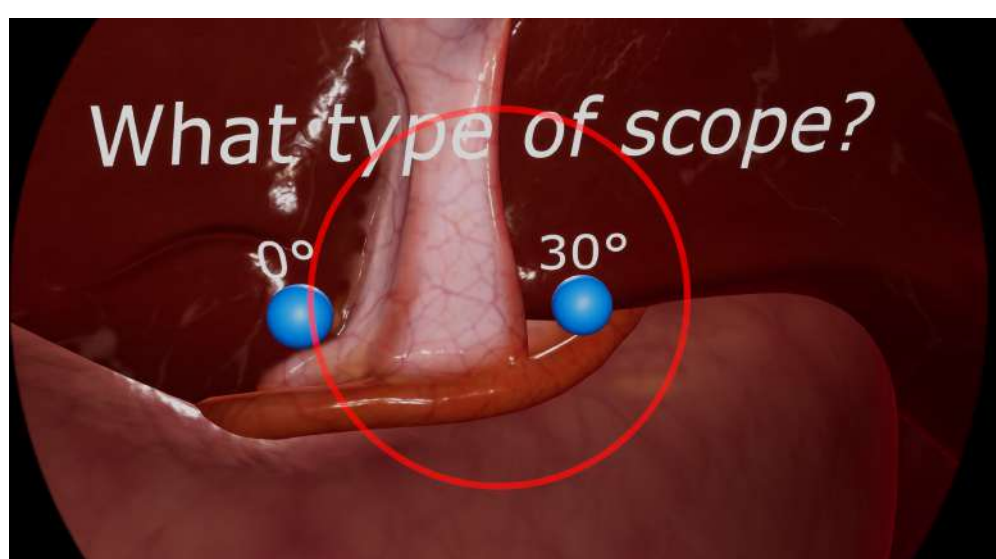
Picture horizon

Learn to straighten the horizon using a 0-degree laparoscope and maneuver to the target.



30 Degrees camera

Follow a moving sphere and use the 30-degree scope to inspect places that are not visible when using a 0-degree scope.



Detect scope

Maneuver the laparoscope to find the spheres placed in multiple spots around the gallbladder. The trainee has to identify what type of scope is used during the exercise to learn and recognize the difference between the two scopes.

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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