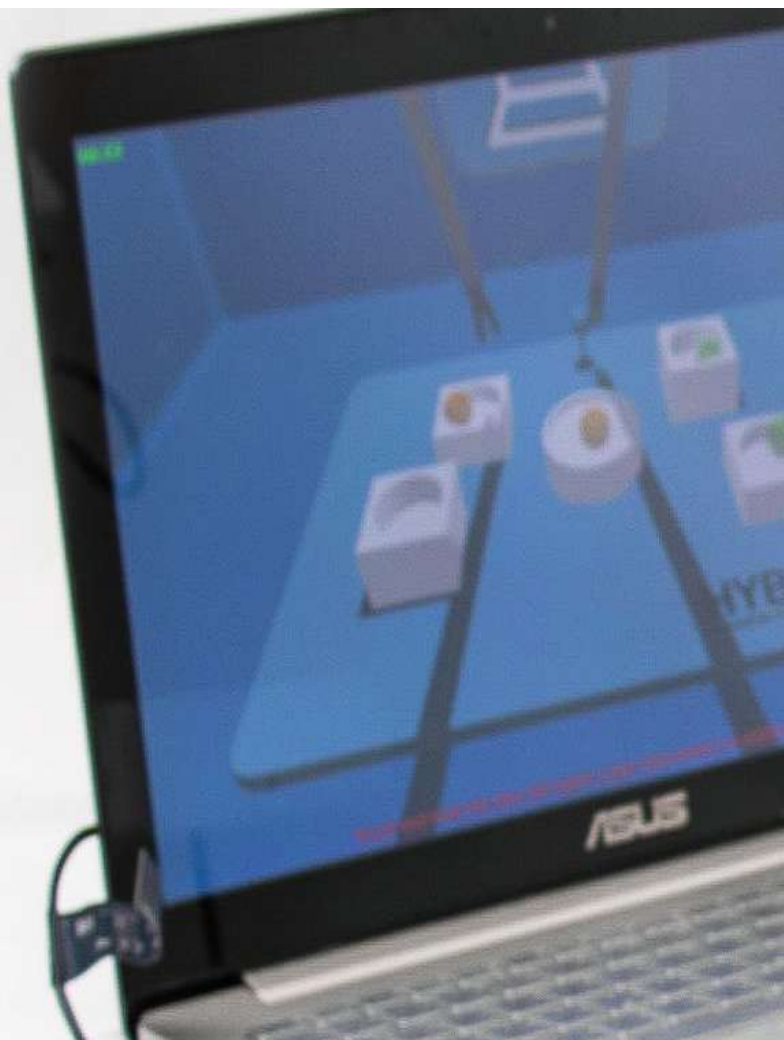




MEDICAL-X



LAP  VR

Simulator for laparoscopy





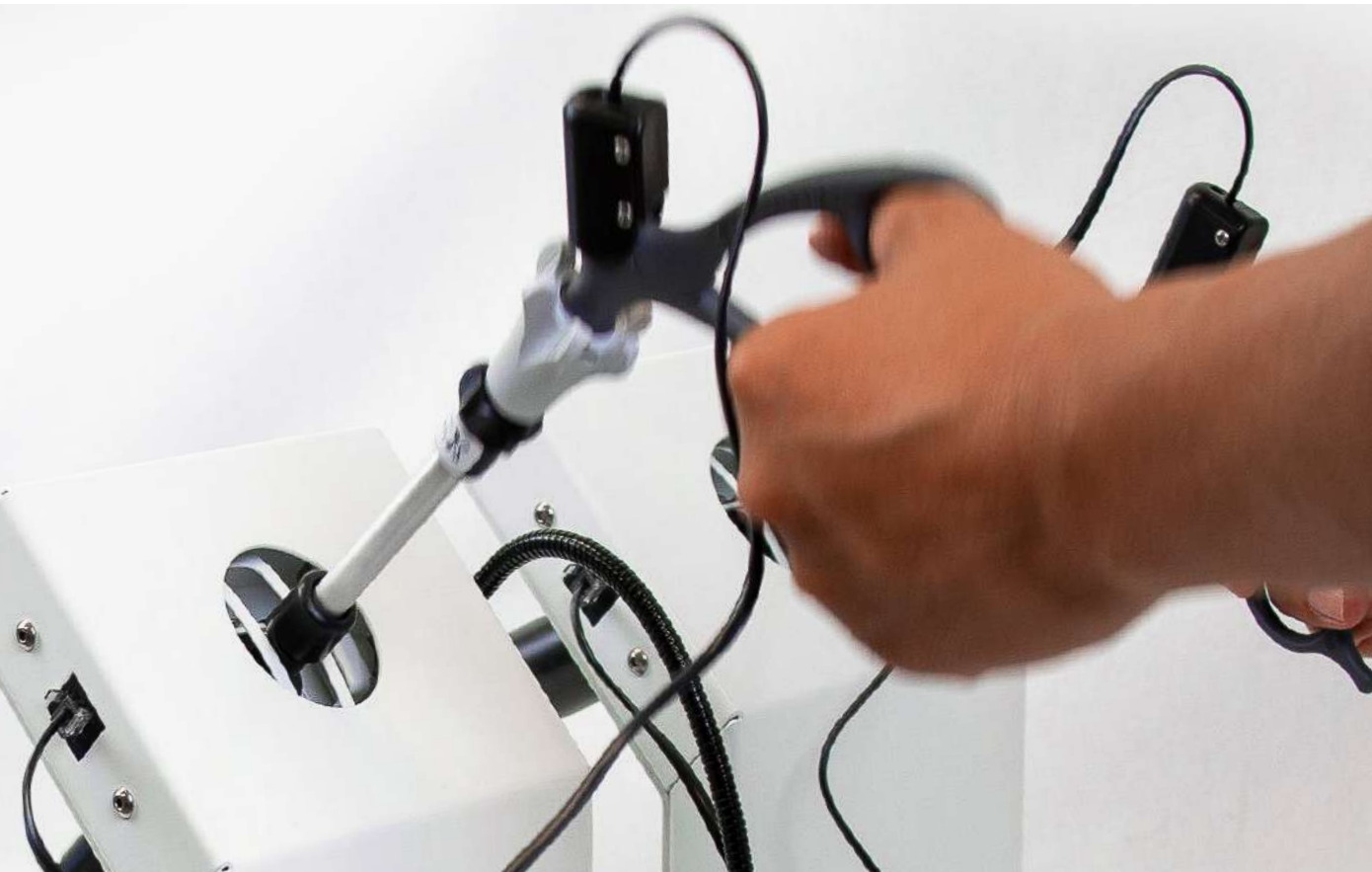
Benefits at glance

Let's give it a try

LAP-X VR is an innovative virtual reality simulator for cost-effective motor skills training in a safe environment for different surgical specialties. LAP-X provides a validated package of various curricula of increasing difficulty to attain proficiency skill levels in all surgical specialties, including gynecology, urology, pediatric surgery, general surgery, and gastrointestinal surgery.

- Portable, compact and easy to set up
- Combination of virtual reality and box trainer
- Possibility to use animal organs
- Unlimited user registration
- Instant feedback with measurement: duration, path lengths, mistakes
- Online remote assessment by instructors
- Database to register different users
- Trainees' performance can be recorded for later assessment

LAP-X VR



LAP-X VR offers you an excellent training aid to standardize, structure, and complement hands-on skills training in surgical residency programs. LAP-X VR helps to reduce the learning curve, to reduce operational procedure time and also to decrease instruction time. With the possibility of metrics measurement and performance recording as well as online remote assessment, LAP-X VR helps you to perfectly organize, manage and standardize training.

LAP-X VR provides an ideal training solution to help surgical educators save time, effort and money while achieving the best training result.



Functionality

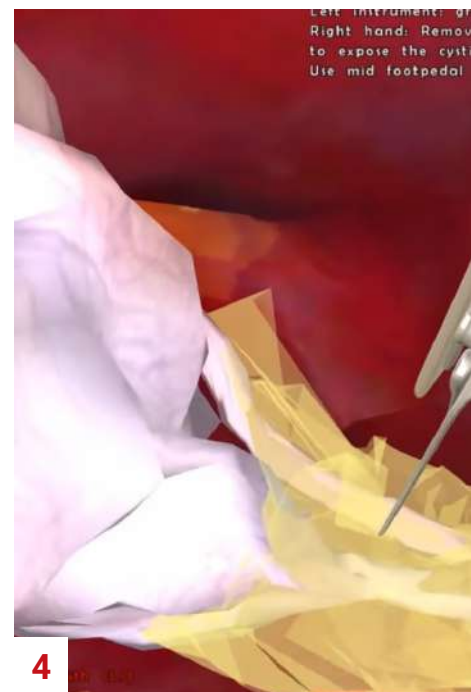
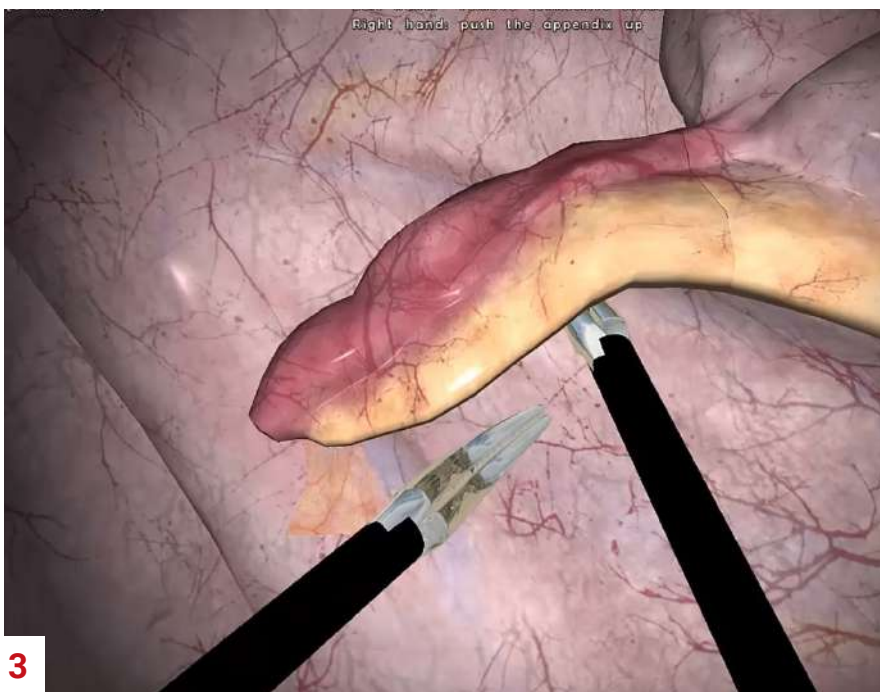
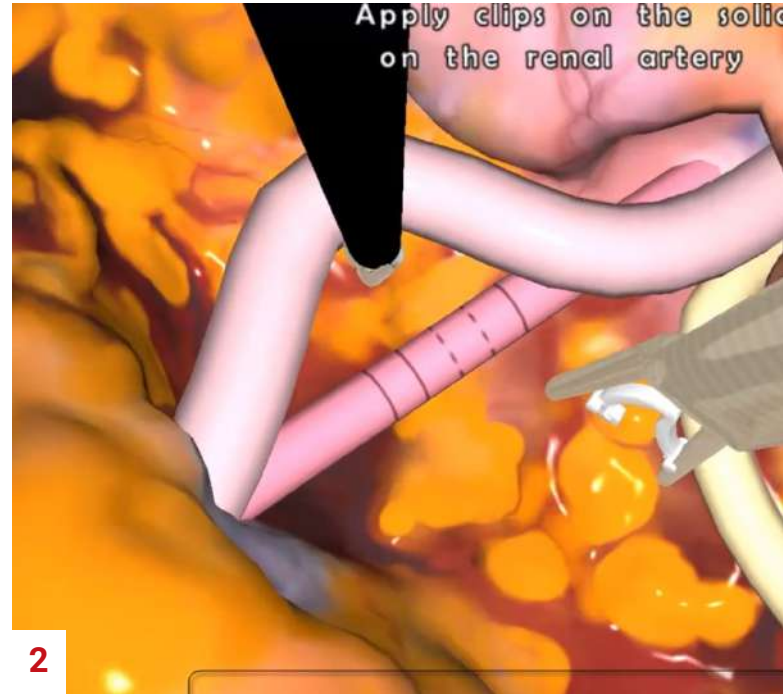
LAP-X VR features exercise videos, which the trainee can watch before performing the exercise. After the exercise has been completed, the trainee will receive an automatic assessment by the software. The trainee can then submit the scores and video recording to the instructor for later assessment. The instructor can log in locally or online to review the trainee's scores and video recording, and is given the possibility to assess the performance and give comments or feedback.

LAP-X VR includes e-learning content, exam questions and the ability to create a personal portfolio.

Tools

LAP-X VR also includes administration tools for educators that are easily incorporated in each hospital's training program, enabling the possibility of standardized training. The standardization of this training can be done in a hospital, but also in a cluster of hospitals or in a certain region.







Modules

1.Basic Skills: This module is designed to practice basic endoscope controlling skills in a non-anatomical environment.

2.Complete nephrectomy: Intended to train a laparoscopic complete nephrectomy. This exercise allows clipping and cutting the renal vein, renal artery, and ureter.

3.Laparoscopic appendectomy:

This module is designed to train a laparoscopic appendectomy. Trainees can choose among different instruments, such as an EndoLoop, scissors, and/or EndoGIA.

4.Laparoscopic cholecystectomy: Project and train a laparoscopic cholecystectomy intervention.

5.Vessel Cauterization: Designed for trainees to practice cauterization and cutting of vessels.

Product Specifications

General

- Power: no external power needed
- Connection: UBS 2.0 and 3.0

System specifications

- Two controllers of 1.6 kg each
- Controller Dimensions: 22x15x32cm (WxDxH) each
- HD camera, led light, foot pedals
- Exercise platform 35x30x5cm (WxDxH)

Computer requirements

- Processor intel i7, 3.4GHz
- Operating system windows 7 or 8
- Memory >8 GB
- Video Card Nvidia® GeForce® GTX 650 or better

Highly portable, compact design for optimal space utilization

The smallest, lightest, most portable and the least space-utilizing simulator on the market. Suitable for laparoscopic surgical training for medical students, residency programs, young/experienced surgeons at all stages of training.



Training, service and guarantee

LAP-X VR is an advanced product, we understand the need for a strong service component. Medical-X provides application training and guarantees the product for 2 year. Additional service packages can be provided for.

Actual products may differ from shown hardware and software images. Modification and errors reserved. Version 1219




CONTACT US

Contact us for more information about our product and the ordering process.

 www.medical-x.com

 info@medical-x.com

 +31 10 341 5927

 Schiedamsedijk 77, 3011 EM
Rotterdam, The Netherlands