



## VirtaMed LaparoS™

Enabling realistic simulation training for laparoscopy

### Realistic graphics

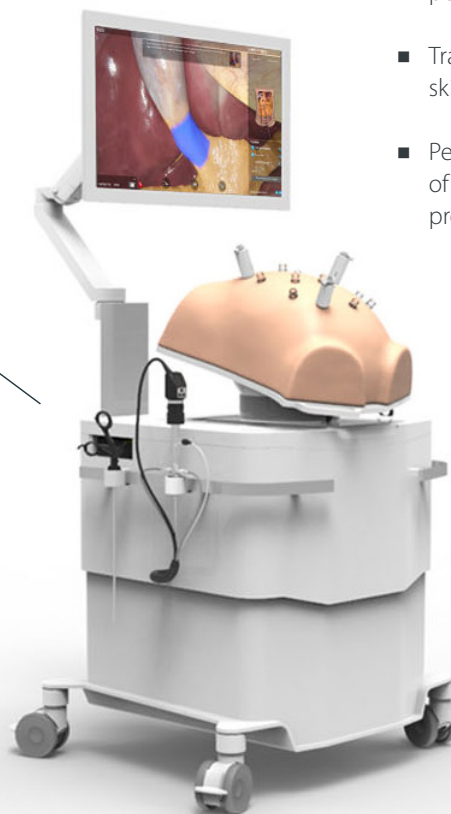
- High fidelity visualisation
- Simulation of entire abdomen including correct physical behaviour of all organs

### Motivational training

- Condensed training steps based on a pedagogical teaching concept
- Training focused on important surgical skills, pathologies and complications
- Performance feedback using state of the art metrics during and after procedure

### True OR setup

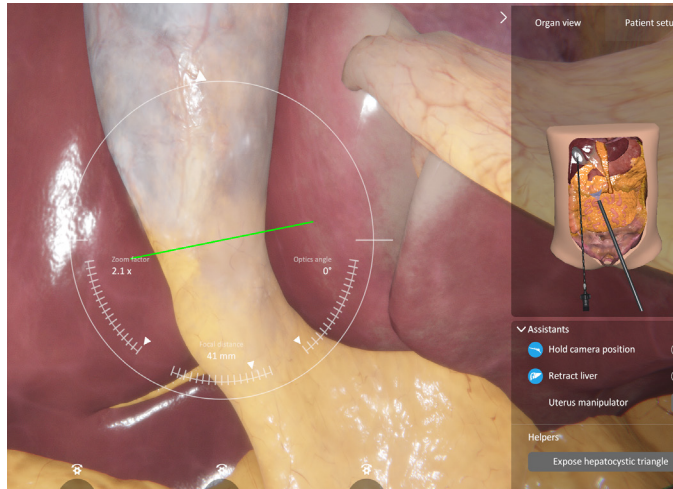
- Patient positions: Trendelenburg, Anti-Trendelenburg and others
- Free trocar positioning
- New force feedback concept and realistic tactile sensation
- Single user as well as surgeon & assistant training possibilities



## LaparoS™ Laparoscopy in General Surgery & Gynecology

### Training goals:

- Selection of correct patient position and trocar placement according to the simulated procedure
- Correct identification of important anatomical landmarks and pathologies
- Efficient and safe use of laparoscopic instruments, including sponge holder, suction and irrigation device, monopolar and bipolar instruments, clip applicator and more
- Learning different resection and dissection techniques, as well as bleeding control and management of surgical complications



### Highly condensed training cases including:

#### General Surgery

- Establishing the critical view for a safe cholecystectomy
- Cystic pedicle dissection and safe clipping
- Gallbladder resection using various techniques
- Control of hemorrhage in the liver bed
- Retrieving gallstones to train bimanual coordination
- Lysis of bowel adhesions
- Dissecting the mesoappendix to expose the appendicular artery
- Vascular control of appendicular artery
- Diagnostic of an incisional hernia
- Lysis of adhesions to a hernia site

#### Gynecology

- Lysis of uterine adhesions following cesarean section
- Diagnostic of ectopic pregnancy
- Identification of the ureters
- Clipping the uterine artery
- Control of hemorrhage from ovarian artery
- Lysis of bladder adhesions
- Tubal ligation
- Removal of an ovarian cyst

*In the pipeline*

LaparoS™ modules are also compatible with the new ArthroS™, GynoS™ and UroS™ platforms. Contact us to learn more about streamlined laparoscopy training.

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