

LAPSIM[®] VATS LOBECTOMY

PRODUCT OVERVIEW

SOFTWARE

- Lung lobectomy using video-assisted thorascopic surgery (VATS) is commonly performed for selected peripherally located T1 or T2 tumors and usually reserved for patient where complications are not expected.
- The LapSim[®] Lobectomy (VATS) module offers training on key steps in the removal of the upper right lung lobe, utilizing a three-port anterior approach.
- The VATS Lobectomy module for LapSim[®] was developed in collaboration with Drs. Katrine Jensen, Henrik Jessen Hansen, and René Horsleben Petersen at Department of Cardio-thoracic Surgery, Copenhagen University Hospital, Denmark.

KEY TRAINING ELEMENTS

- Dissection of hilum/vessels
- Identification of vessels
- Use of elastic vessel rubber loop
- Sequential stapling of veins, arteries, bronchus and fissure
- Bleeding control
- Avoiding critical structures, for ex. the Phrenic nerve

UNIQUE FEATURES

- LapSim[®] is the only VR system with published validation of skill transference to the OR.
- Possibility to configure all exercises to adjust difficulty levels and challenges.
- Performance feedback is available for exercise debriefing and course management: learning curves, errors, suggestions for improvement, and video recording of each session.
- Pass/fail values for each exercise is customizable, and can be imported directly from expert's/instructor's own performance.
- Extended statistics on trainee/group performance is available through admin mode.
- 7 languages available: English, Russian, French, Chinese, Japanese, Portuguese, and Spanish.

OTHER AVAILABLE MODULES FOR LAPSIM[®]

MODULE	INCLUDED EXERCISES
CHOLECYSTECTOMY	<ul style="list-style-type: none"> ▪ Clipping the cystic duct ▪ Dissection of the hepatocystic triangle ▪ Dissection and freeing of gallbladder from the cystic plate ▪ Removing the gall bladder
APPENDECTOMY	<ul style="list-style-type: none"> ▪ Dissect and free the base of the appendix ▪ Divide the appendix transversally at the base ▪ Removal of the appendix. ▪ Retro-Caecal Anatomy Case is also included
GYNECOLOGY	<ul style="list-style-type: none"> ▪ Tubal occlusion ▪ Salpingectomy ▪ Salpingostomy ▪ Myoma suturing
HYSTERECTOMY	<ul style="list-style-type: none"> ▪ Right and left uterine artery dissection ▪ Vaginal cuff opening ▪ Suturing of the cuff after removal of the uterus
SUTURING & ANASTOMOSIS	<ul style="list-style-type: none"> ▪ Needle Passing ▪ Interrupted Stitching ▪ Running Stitching ▪ Square Knot ▪ Surgeon's Knot ▪ Interrupted Suturing ▪ Running Suturing ▪ Side-to-side Anastomosis
BARIATRICS	<ul style="list-style-type: none"> ▪ Lap-band suturing ▪ Jejunal suturing ▪ Inspecting and measurement of the bowel
NEPHRECTOMY	<ul style="list-style-type: none"> ▪ Kidney dissection ▪ Kidney clipping

