The Gold Standard of Laparoscopic Training Solutions

PROCEDURAL TASKS
Essential laparoscopic skills are developed via interactively-guided tasks that support various difficulty levels.

COMPLETE CLINICAL PROCEDURES
Complex clinical scenarios with real time complications and injuries enable learners to experience different approaches to the procedure.

TRUE-TO-LIFE TRAINING ENVIRONMENT
Combination of lifelike tactile feedback, detailed anatomy, realistic imaging, a wide range of surgical instruments and various trocar configurations.

EDUCATIONAL CONTENT
Didactic features and educational aids such as 3D anatomical maps, step-by-step real life videos, interactive instructions and ready-to-use courses.

PERFORMANCE ASSESSMENT
Comprehensive objective reports and proficiency level setting tools allow for efficient tracking of the training progress.

PROCTOR MODE
Enables real-time intervention of the proctor during the procedure to evaluate the trainee’s decision making. The proctor can trigger injuries, modify tissue characteristics and limit tool selection.

Team Training
Enabled by combining the LAP Mentor Express with the haptic LAP Mentor to allow mastering the surgical assistant’s roles, practice non-technical skills and enhance team performance.

Nurse Tool Selection
Allows the scrub nurse to select instruments during the case to enable effective surgeon-nurse teamwork, practice clear communication, and anticipate the surgeon’s needs.
The LAP Mentor™ is the most comprehensive evidence-based simulator for essential laparoscopic skills and advanced complete clinical procedures.

**Flexible Solutions**

Multiple laparoscopic training platforms support the needs of various program requirements and budgets.

**LAP Mentor III**
- Superior haptic feedback
- Ergonomic design: adjustable height

**LAP Mentor Express**
- Portable
- Cost effective
- Height adjustable tower
- Non-haptic
# Multidisciplinary Library of Modules

## Tasks and Skills Modules

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## General Surgery

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## Bariatric Surgery

| Gastric Bypass | Sigmoidectomy | Nephrectomy | Lobectomy |

## Colorectal Surgery

## Urology Surgery

## Thoracic Surgery

## Gynecology

| Essential Gynecology | Hysterectomy | Vaginal Cuff Closure | Myomectomy Suturing |
LAP Mentor VR

The LAP Mentor VR allows trainees to work on the simulator while wearing a VR headset, which enables a complete immersive experience in a realistic 3D operating room setting, featuring the OR team, the patient, OR equipment and real-life sound diversions. This setting provides the most true-to-life experience and teaches trainees how to cope with the stressful, and at times distracting, operating room atmosphere.

MentorLearn Cloud

Ask how the MentorLearn Cloud simulator curricula management system can support your Simbionix simulator. MentorLearn’s many capabilities include remote simulator administration, online learning, anywhere results monitoring, proficiency based hands-on training, as well as simulation video capture that is ideal for debriefing.

Request a demo or more information at healthcare@3dsystems.com
“The LAP Mentor offers us the best virtual reality training module on the market in order to help train our surgical residents across all disciplines. The LAP Mentor is the best tool that we have available from a virtual reality standpoint; it has excellent haptic feedback and offers a very realistic stepwise progression of the procedures.”

John Zografakis, MD, FACS
Summa Health System, Akron, Ohio

Over 80 validation studies including VR to OR transfer of skills

Laparoscopic warm-up exercises improve performance of senior-level trainees during laparoscopic renal surgery.
Lee JY et al, J Endourol. 2012 May;26(5):545-50

“All appendicectomy tasks showed construct validity. A novel goal-directed VR curriculum for laparoscopic appendicectomy was constructed.”

Healthcare Solutions
3D Systems is a pioneer for healthcare solutions that improve outcomes which benefit both patients and surgeons. Our global team works with customers to help navigate technologies and provide support for surgical planning, training, device design, personalized medical technologies and 3D printing. We are dedicated to helping medical professionals train for, plan and practice complex medical procedures.

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