

### Full Dress Rehearsals for Endovascular Procedures with the Simbionix PROcedure Rehearsal Studio™

Simbionix's new PROcedure Rehearsal Studio lets surgeons perform complex endovascular procedures BEFORE the patient is on the table. The Studio's simulated interventional environment allows them to rehearse complete endovascular interventional cardiology, radiology, vascular surgery, and vascular neurology procedures.

It provides perfect anatomical simulations for endovascular procedures such as carotid. And what's really exciting is that it allows surgeons to perform these procedures on a virtual model of their actual patient.

The PROcedure Rehearsal Studio™ loads CT and MRI scan data from a CD or local PACS server onto the Simbionix ANGIO Mentor. Then, it generates a digital 3D model of the patient's clinically relevant anatomy from the scan data. The real-time 3D imaging system leverages the power of the world's leading virtual reality endovascular simulator to create a simulated interventional environment that provides all the tactile feedback of a real procedure on a real patient.

Using the Studio, surgeons can determine an appropriate access strategy and select guidewires, catheter and guide shapes, and other equipment BEFORE the procedure. The Studio even helps them identify the most effective fluoroscopic

views, which may reduce radiation exposure, cathlab time, contrast dye use, and procedure costs.

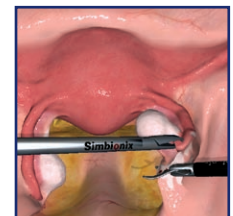
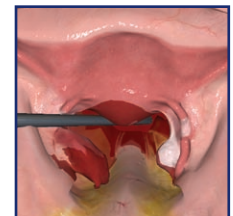
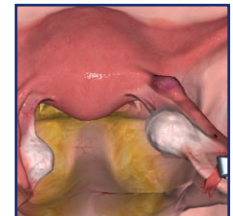
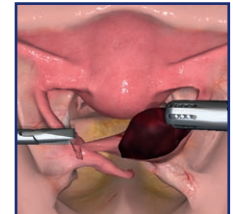
The PROcedure Rehearsal Studio™ can also be used to save and replicate cases with strong teaching value to help other surgeons learn to manage risks in future procedures.

### LAP Mentor's Newest Module Helps Surgeons-in-training Master GYN Procedures

LAP Mentor™ is the world's premiere integrated training and practice simulator for complete laparoscopic procedures, laparoscopic skills, and performance metrics.

The newest LAP Mentor module offers hands-on training for fundamental GYN procedures, ectopic pregnancy, tubal sterilization and oophorectomy.

The GYN module presents a variety of virtual patients with individualized anatomy and pathology. Trainees can perform salpingostomies, salpingectomies or tubal ligation, and experience a range of possible complications, such as damage to surrounding organs and false identification of blood vessels. The module also helps them learn to manage a number of emergency active bleeding situations, such as bleeding at the implantation site, a ruptured fallopian tube, a blood-filled abdominal cavity, and blood emerging from the fimbrial edges, all in a virtual and safe environment .



**Main Picture**  
PROcedure Rehearsal Studio

**Side Pictures**  
LAP GYN simulation



**SAGES's FES Task Force Teams Up With Simbionix For Skills Assessment**

The Society of American Gastrointestinal and Endoscopic Surgeons (SAGES) Fundamentals of Endoscopic Surgery (FES) Task Force has chosen Simbionix as their partner in developing an endoscopic skill assessment system.

This system will address the need for a standardized and efficient skill assessment tool for flexible endoscopies. It will employ multimedia and simulation-based educational elements, and provide a comprehensive validated exam to assess both knowledge and hands-on proficiency.

Simbionix' sophisticated GI Mentor technology platform will be used to develop the hands-on endoscopic simulation component for teaching basic flexible endoscopy skills.

**Company Mission**

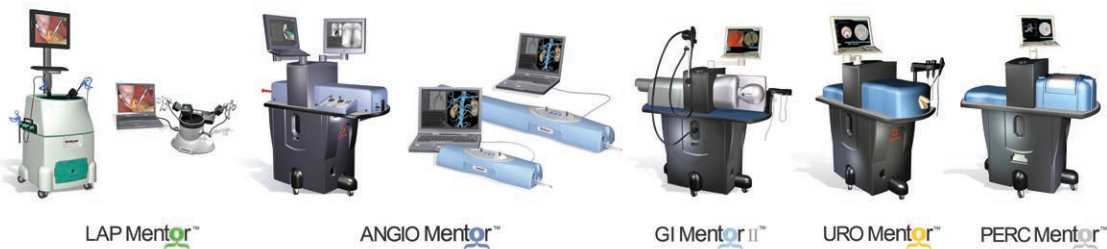
Simbionix' mission is to be the leader in the development and delivery of innovative and effective virtual reality simulation solutions for education and training of medical professionals. Our products are designed to accelerate best-practice medical training, advance clinical performance, and improve patient safety.

**About Us**

Established in 1997 by a small group of individuals with a multi-disciplinary background in marketing, software programming and 3-D graphics, the company developed the GI Mentor™, the industry's first computer-based simulator for training endoscopic procedures skills. Since then, Simbionix has successfully launched a complete line of medical simulators, which provide medical professionals with hands-on training in a comprehensive array of MIS procedures; the URO Mentor™ - the industry's only simulator for endourology procedures, the PERC Mentor™ for percutaneous access, the LAP Mentor™ - a multi disciplinary simulator for laparoscopic skills and surgery procedures, and the ANGIO Mentor™, a multidisciplinary simulator for interventional endovascular procedures.

Simbionix simulation products have been validated in several scientific studies. Simbionix has recently acquired eTrinsic, a leader in Education Content development. Together with the Mentor Platforms, Simbionix will provide a complete solution for the training and education of physicians.

The company continues to improve its products aiming at extending existing systems capabilities with new skills and procedures. At the same time, Simbionix is actively expanding its market-leading technology to include additional simulation systems, and to develop clinical applications which will transform the operating room as we know it today.



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