

SimbionixTM

To Advance Clinical Performance

SIMBIONIX – A WORLD LEADER IN MEDICAL SIMULATION

Simbionix is the world's leading provider of simulation and training products for medical professionals and the healthcare industry.

Founded in 1997, Simbionix combines innovative R&D, cutting-edge technology, and strong clinical relationships to promote adoption of best medical practices, to advance clinical performance, and to optimize procedural outcomes.

ADVANCING CLINICAL PERFORMANCE

Simbionix is committed to delivering high quality products. All of our products are designed with the cooperation of the medical community, who play an active role in simulation design, content definition, and product testing and validation. The results are the most reliable, robust, and effective medical training and simulation systems in the world.

Our dedication to advancing clinical performance led us to the release of the PROcedure Rehearsal Studio™, the world's first endovascular simulator designed for clinical use. A revolutionary VR simulator, the PROcedure transforms case-specific CTA or MRA data into a virtual patient including all the anatomy and pathology of the patient to be treated.

Simbionix has earned an international reputation as one of the leading providers of online courseware for the medical and healthcare industries. The unique MentorLearn™ system integrates our courseware capabilities and medical simulators with a learning management system (LMS) to deliver medical education and training more effectively and efficiently.

MEDICAL PROFESSIONALS

All of our products are designed and tested in collaboration with clinicians, from the early stages of developing decision-making scenarios that foster technical and cognitive skills acquisition to validating desired outcomes.

This collaborative process makes our educational platforms the most realistic, reliable, comprehensive, and safe environments for learning and practicing medical procedures.

In addition, our PROcedure Rehearsal Studio™ has set the new standard for procedural preparedness. Better preparation leads to better results in real life.

PROFESSIONAL SOCIETIES

Leading medical societies count on their partnership with Simbionix to develop advanced training and assessment tools, which are supported by a growing number of validation studies as being highly effective.

HEALTHCARE INDUSTRY

Our extremely flexible products, enable us to work with medical industry leaders to provide customized and innovative product solutions to meet a variety of training needs.

Simbionix turn-key training solutions are designed to reduce time-to-market, reduce training costs, and improve sales and marketing performance.



LAP Mentor™

A state-of-the-art innovative laparoscopic training system.

A complete training curriculum enables new or experienced surgeons to practice everything from perfecting basic laparoscopic skills and suturing to hands-on cholecystectomy, hernia repair, gynecological, urological, and colorectal procedures.

The LAP Mentor is the laparoscopic simulator of choice used by leading training centers all over the world. Used independently or integrated into training programs, the LAP Mentor has been validated as an effective and valuable training tool for improving clinical performance and enhancing patient safety.



The robust LAP Mentor design delivers tactile feedback for a realistic experience of lifting and dissecting tissue. The desktop LAP Mentor Express provides an excellent non-haptic, cost effective training solution.



GI Mentor™

The most comprehensive training module for GI procedures in the world.

Clinicians are provided with the opportunity to practice upper and lower GI procedures using the extensive training curriculum including everything from the fundamentals of endoscopic skills to advanced procedures such as ERCP and Endoscopic Ultrasound (EUS). Its extensive library of virtual patients, with over 120 tasks and cases, provides a broad selection of procedures, including flexible sigmoidoscopy, colonoscopy, gastroscopy and emergency bleeding scenarios.

Simulator-based training provides clinicians with a true-to-life endoscopic procedure experience using the same scopes and accessories they encounter in the field.

The GI Mentor has been validated as a successful tool in improving clinical performance, and is the GI endoscopic simulator of choice used by leading societies to train and assess endoscopic skills.



GI-BRONCH Mentor™

A combined platform for VR training of GI endoscopy and flexible bronchoscopy.

The Bronchoscopy Package on the GI-BRONCH Mentor™ guides trainees through flexible bronchoscopy procedures, offering designated skill tasks alongside full clinical procedures.

Virtual patient scenarios require diagnostic, therapeutic, and emergency interventions using a variety of bronchoscopic tools.

The simulation includes conscious sedation and topical anesthesia administering, patient monitoring and clinical complications - all of which are simulated in a reactive manner, enhancing the bronchoscopic simulation to the full spectrum of the actual procedure.



URO Mentor™

The first leading VR simulator training for diagnostic and therapeutic endourology procedures.

Advanced visualization technology, realistic simulated anatomy, and a variety of scopes and tools, all make the URO Mentor system the closest thing to a real procedure, with none of the risks.

The training curriculum offers a number of cases that provide both new and experienced surgeons with the opportunity to practice necessary cognitive and technical skills, from basic identification of urinary tract anatomy to hands-on training of endourological procedures, such as treatment of strictures and stone manipulation.



PERC Mentor™

The ideal training tool for practicing percutaneous puncturing skills.

The system provides hands-on training for learning how to obtain percutaneous renal access under fluoroscopic guidance using an authentic needle. It is designed to meet the needs of specialists in the fields of radiology and urology.

With virtual patient profiles ranging from normal to obese, the system allows trainees to learn how to manipulate the guidewire down to the ureter and gain safe access to the targeted renal calyces in a variety of patient anatomies and pathologies.

The system features realistic tactile sensation while moving the needle through the different layers. Although designed for use with the URO Mentor™ simulator, the PERC Mentor™ is also available as a stand-alone simulator.

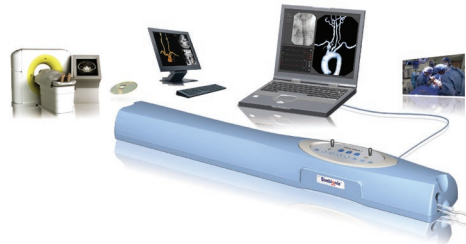


VirtaMed-HystSim™

The most advanced training system available for diagnostic and therapeutic hysteroscopy.

Simbionix and VirtaMed have joined forces to provide OB/GYN surgeons with the most advanced training system available for diagnostic and therapeutic hysteroscopy. The HystSim™ simulator provides a highly realistic and useful training tool for hysteroscopic surgery, and studies have shown high acceptance ratings for both novice and experienced surgeons.

Quality didactic tutorials are followed by hands-on simulated hysteroscopy procedures that help trainees master instrument control and manage complications. A number of full procedures are available to provide a range and depth of relevant pre-clinical experiences. Useful objective feedback provided at the end of the simulation completes the learning process.



ANGIO Mentor™

A perfect multi-disciplinary endovascular training system.

The ANGIO Mentor™ contains an ever-expanding library of simulated interventional procedures, including carotid, renal, SFA, iliac, coronary, cerebral, CRM, and aortic valve replacement. The simulated environment provides more realistic, high fidelity training opportunities than any other endovascular simulator. When combined with Symbionix's innovative PROCEDURE Rehearsal Studio™, the number and variety of virtual patient cases becomes unlimited.

The ANGIO Mentor family of products offers three hardware configurations, providing solutions for a wide variety of training situations:



The ANGIO Mentor™ Ultimate, is a solution for Cath Labs or Interventional Suite team training; the ANGIO Mentor™ Express is designed for smaller courses, enabling complete training anywhere, any time; and the ANGIO Mentor™ Mini, provides a cost-effective, ultra portable "personal trainer" solution.

PROCEDURE Rehearsal Studio™

Taking preparedness for endovascular procedures to a whole new level!

The PROCEDURE Rehearsal Studio™ allows clinicians to create a simulation of a real patient's anatomy, pathology, and procedural challenges by quickly and easily importing the patient's CTA or MRA data into the ANGIO Mentor simulator. Once the virtual patient has been reconstructed, the physician can use it to plan and practice an endovascular intervention, increasing the likelihood of an optimal outcome, and decreasing risk to the live patient.

Cases with strong teaching value can be stored in the ANGIO Mentor™ system for future training and discussion, creating an unlimited virtual patient library. Real patient simulation makes the PROCEDURE Rehearsal Studio™ the ultimate resource for creating relevant and innovative interventional curricula.

MentorLearn™

With over 10 years of experience, Symbionix is one of the leading providers of online courseware for the medical and healthcare industries. Our reputation for excellence derives from cutting-edge 3D simulations and interactivity for real-world training combined with fast, on-time delivery of customized content.

The new MentorLearn™ system integrates our courseware capabilities and medical simulators with a learning management system (LMS) to customize training, track activity, and measure tangible results. This innovative system offers a true adaptive learning environment to deliver medical education and training more effectively and efficiently.

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