

URO/PERC Mentor™



URO – PERC MENTOR™

Comprehensive Training for Endourology and Percutaneous Renal Access.

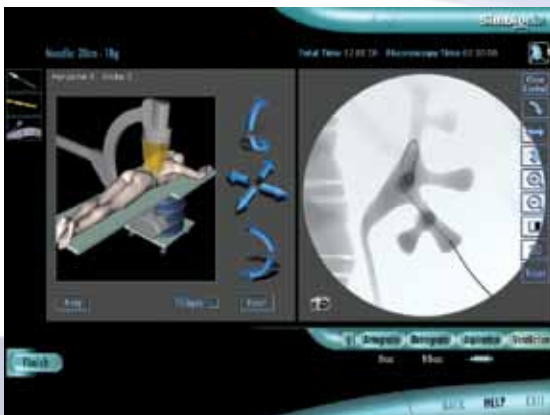
The URO - PERC Mentor combined system is a unique platform designed to provide comprehensive training platform for Endourology and percutaneous accessing.

Changing the Face of Endourology Training

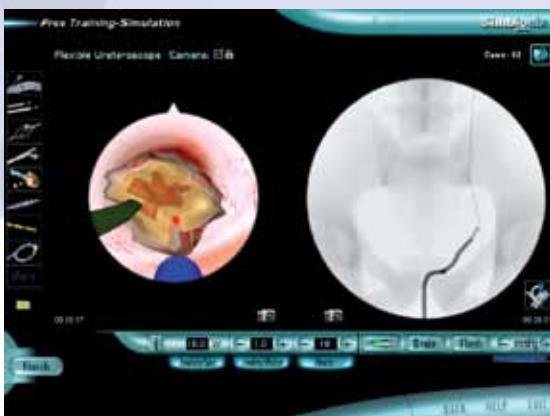
The **URO Mentor™** features authentic rigid and flexible cystoscopes and ureteroscopes, provides training opportunities using a variety of actual scopes with real tool handles and enables actual insertion into working channels.

Meeting the Training Needs of Radiology and Urology Specialists

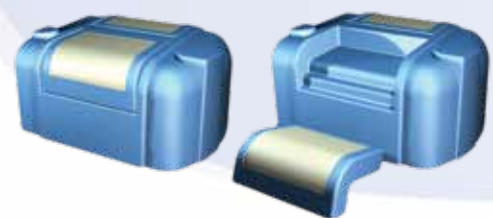
The **PERC Mentor™** add-on includes a mannequin that represents the virtual patient's torso approached from the back. Two interchangeable cartridges fitted with life-like layers of epidermis and underlying tissue combined with simulated ribs that provide the haptic perception, provide the physical system for percutaneous puncturing. The different cartridges enable practice on either normal or obese patients, and allow access to the right or left side. Two authentic needles are provided to allow for a true-to life realistic simulation.



Practice tool manipulation under fluoroscopy



Full simulation of the endourology procedure



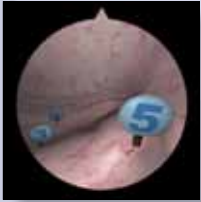
Interchangeable cartridges

LIBRARY OF MODULES - URO MENTOR™



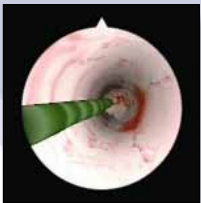
Essential Skills

Acquire essential coordination skills in a non-anatomic setting in the form of a unique game of basketball, available in two levels of difficulty. The game, CyberScopy, provides practice in handling scopes and tools, controlling and positioning the endoscopic camera, moving and positioning the C-arm, achieving depth perception and orientation, improving response time and gaining navigational confidence and skills.



Basic Tasks

Practice exercises in increasing levels of difficulty, for the systematic learning of basic tasks such as bladder and kidney inspection, as well as the full urinary collecting system anatomy, and identification of the endourological landmarks.



Full Procedure - Stone Manipulation

Train on the full endourological procedure, including simulation of an interactive C-arm, irrigation pressure and contrast material injection. Experience a variety of lithotripters and tools such as baskets, forceps, EHL, Pneumatic or Laser on a variety of virtual cases with different anatomies and pathologies.



Full Procedure - Strictures Treatment

Develop judgment and learn how to interpret and treat anatomical and operative findings in a variety of ureteral strictures. The full procedure module includes simulation of real time fluoroscopy, a variety of stricture treatments and using a flexible or rigid Ureteroscope or Cystoscope.

LIBRARY OF MODULES - PERC MENTOR™



PCN Essential Skills

Acquire the skills for performing percutaneous renal access procedures under real-time fluoroscopy in a variety of tasks in an increasing level of difficulty. A stress-free environment, using an authentic needle, allows you to gain essential skills such as processing 2D fluoroscopic radiographic images into 3D "mind's eye" visualization of anatomies, C-arm manipulation for obtaining ideal access and visualization of renal access in multiple planes.



Full Procedure- Normal Patients

Train on a variety of virtual normal weight patients with different renal anatomies and pathologies. The module provides an ideal opportunity to practice identifying the correct access to the proper calyx through a variety of access sites. Realistic hands on training is enhanced by the tactile sensations felt when maneuvering through the various layers and ribs.



Full Procedure- Obese Patients

Practice on a variety of obese virtual patients with different renal anatomies and pathologies. Training is made possible with a designated cartridge representing the virtual patient's back and an authentic needle.



Simbionix - To Advance Clinical Performance

Founded in 1997, Simbionix is the world's leading provider of simulation, training and education solutions for medical professionals and the healthcare industry.

With its full array of MIS simulators, PROCEDURE Rehearsal Studio™ for case rehearsal and planning, MentorLearn™ Simulator Training Management, and online Simposia Clinical Practice Communities, the company is committed to advancing clinical performance and optimizing procedural outcomes through education and collaboration.

Incorporating the physician's voice into product design and validation processes, Simbionix produces the most comprehensive, reliable and effective solutions for its customers.

The Simbionix Line of Medical Training Simulators



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