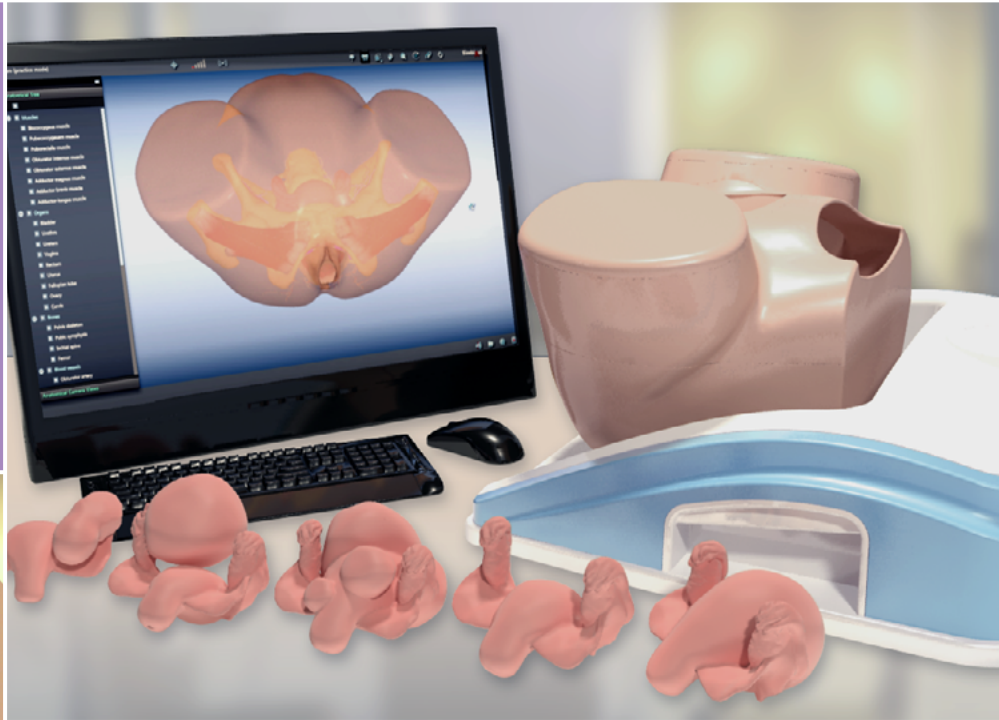# PELVIC Mentor™

Simulator Platform

An integrated hybrid solution that combines a physical mannequin with a computerized 3D virtual system.

Sensors placed on the trainee's finger, combined with the mannequin and the 3D virtual model, enable the trainee to obtain a real-time indication of finger palpation, downward press on the abdomen and cervix manipulation during the anatomical recognition phase, or while performing a pelvic exam.

The system tracks the trainee's movements and provides a full performance report on the trainee's progress.

Features and Benefits

- **Anatomical labeling system** - Labels appear on the relevant organs on the virtual model in correspondence with the anatomical section being palpated.

- **Automatic organ recognition** - Clicking on a name in the anatomical tree highlights the organ on the virtual model.

- **Dynamic anatomical behavior** - Palpation / movement on or inside the anatomical model is reflected on the virtual model to provide a true-to-life image of what happens inside the pelvis and better understand the anatomy.

- **Anatomical customization** - Software customization allows the course director to choose the anatomies and content to be included in the training session.

- **Performance reports** - Provided at the end of each training session allow the learner and the trainer to review practice results.

- **Replacement mechanism** - Interchangeable anatomies are easily replaced to represent normal and pathological anatomical structures.
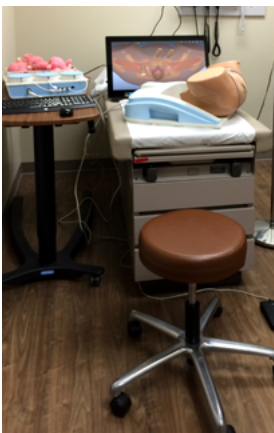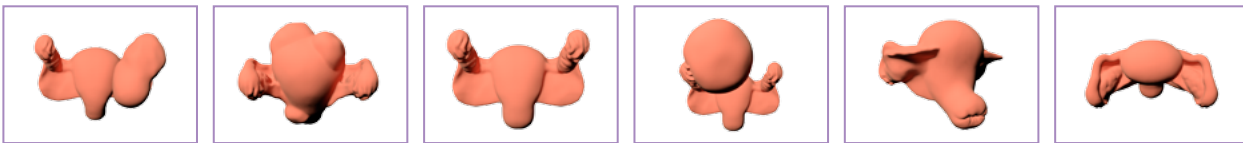
The PELVIC Mentor™ allows the opportuny to enhance knowledge of pelvic anatomy and acquire the comprehensive skills required to accurately perform pelvic exams.

PELVIC Mentor Modules

Anatomical Recognition

The innovative training module designed to obtain detailed knowledge of pelvic anatomy, reduces the learning curve and improves outcomes of pelvic procedures.

A unique sensory system is synchronized with the physical mannequin and the 3D virtual anatomical model.
This allows psychomotor learning and physical sensation of the anatomy.

Pelvic Exam

A set of anatomical models enables the trainee to virtually encounter and learn various pelvic conditions before actually performing the exam on a live patient.

Trainees gain the ability to recognize normal anatomies and harder to diagnose abnormal gynecological findings, and practice using the proper techniques to perform the following pelvic exams:

- Normal uterus
- Multiparous uterus
- Ectopic pregnancy
- Ovarian cyst
- Uterine fibroids
- Retroflexed uterus

MentorLearn Simulator Curricula Management System

3D Systems' multidisciplinary simulators effortlessly integrate into your program curriculum.

- Customizable curriculum incorporating training and didactics.
- Easy and efficient administration of simulator users.
- Online learning courses and video-based content.
- Proficiency based hands-on training.
- Performance reports with learning curve graphs.

HEALTHCARE SOLUTIONS

3D Systems pioneered healthcare solutions that enhance quality-of-life through the use of 3D printing, surgical planning and personalized medical technologies. We are dedicated to helping medical professionals train for, plan, practice and perform complex medical procedures and achieve better patient outcomes.

3D Systems' Simbionix simulation products provide a complete solution for training programs with a full array of simulators, PROcedure Rehearsal Studio™ for case rehearsal and to create 3D printed personalized anatomical models, and MentorLearn™ for simulator management.

The company is committed to building an end-to-end Digital Thread for Personalized Surgery. We develop true patient-specific healthcare solutions, one-by-one or at scale, designed to change the future of personalized medicine.

"The PELVIC Mentor is a great tool to teach residents, students, and physicians pelvic anatomy and also the proper way to perform a pelvic exam."

Michael Hibner, MD, PhD
Director, Division of Surgery/Pelvic Pain at St. Joseph's Hospital
Prof. of OB/GYN, Creighton Univ. School of Medicine

3D Systems Healthcare

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