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SimPraxis® Laparoscopic Nissen Fundoplication Trainer

The self-paced SimPraxis® Laparoscopic Nissen Fundoplication Trainer is a robust, elegant and engaging way to learn. This powerful training module is designed to significantly advance the surgical knowledge, efficiency and competency of the surgical team and improve patient safety.

The learning objectives of this SimPraxis Trainer are: to orient the user to the roles of the surgeon and assistant; learn the relevant anatomy; learn the specific steps of the procedure; understand the required port placements; become familiar with the necessary instruments; and master the key risks of the laparoscopic Nissen fundoplication.

The SimPraxis pedagogical approach divides the entire laparoscopic Nissen fundoplication procedure into 36 discrete, logical steps. The Trainer asks the user to decide if the surgeon or assistant controls the step, choose correct instruments, select the appropriate port, identify the key anatomic structures, and indicate where the next step of the procedure should reasonably be carried out. A Variations section is also provided with several surgeons discussing and describing their approach in both sequence and technique.

Another goal of this training is to identify those parts of the procedure during which the risk of injury or complications is increased. To reinforce this, users are shown these higher-risk moments in the procedure and asked to confirm the key anatomic structures of the patient. Users also have the opportunity to review the potential errors, injuries and complications associated with each step.

It is important to remember that an effective operation is one that is both safe and efficient—this is what patients expect.

Author and Virtual Mentor

The subject matter expert, Roger P. Tatum, MD, provides tutorials, hints, and review throughout the module to enhance and reinforce the training experience. This feedback is provided using audio, video, and written material.

Performance Assessment

- Critical Decisions Tracked and Scored
- Each Session Tracked and Scored
- Errors Tracked and Scored
- Instant Feedback on Time, Score, and Errors
- Formative Assessment
- Summative Feedback

Throughout, the Trainer offers prompts, hints, internal and external video from actual procedures, audio and written descriptions, and a chance to review each step, to improve performance.

All actions and decisions made in each Trainer are captured for complete formative tracking and summative scoring in order to provide meaningful and accurate assessment. This helps users measure their progress and provide focus for specific

75% of what surgeons have to learn and retain is cognitive in nature

Spencer F. "Teaching and measuring surgical techniques: the technical evaluation of competence." *Bull Am Coll Surg*. 1978;63:9-12.

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SimPraxis®: An Interactive Simulation Software Platform

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This self-paced module provides a level of detailed surgical training unmatched outside of the operating room experience through the use of high-fidelity video in highly interactive simulations, which run on a personal computer.

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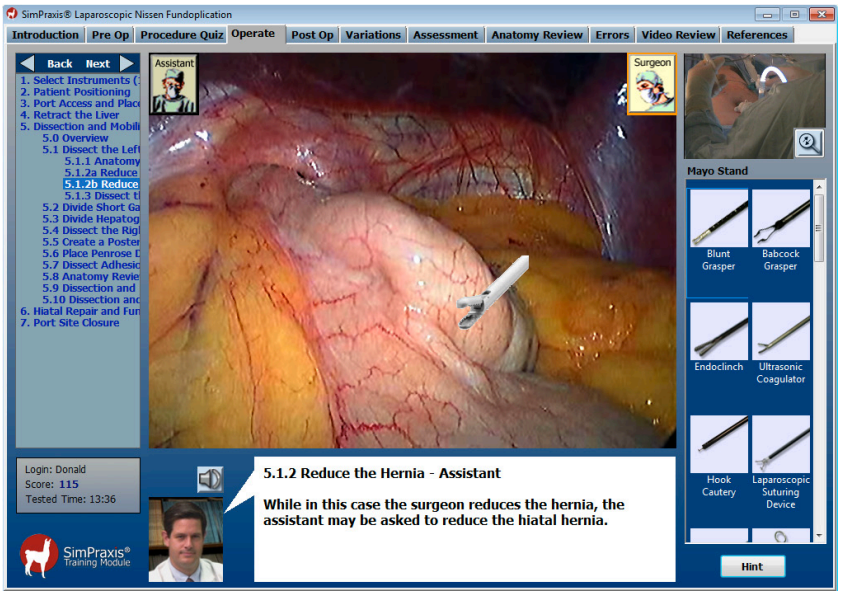
Critical Decision-Making

- Controlling Team Member
- Proper Instrument
- Port Placement & Management
- Proper Point of Action
- Dynamic Anatomy Identification & Registration

SimPraxis® Training Modules

Each module is authored, edited, and reviewed by a panel of specialists from multiple institutions.

- Laparoscopic Cholecystectomy
- Laparoscopic Nissen Fundoplication
- Laparoscopic Hysterectomy



MINIMUM REQUIREMENTS: Windows XP (with Service Pack 3); Pentium 4/2.0 GHz processor (or equiv.); DVD-ROM drive; 3 GB available hard drive space; 2 GB RAM; audio output; Adobe Reader. **Notice for Mac users:** SimPraxis products have been successfully run on Intel-based Macs using both Parallels and VMWare virtual Windows machines.

Training Opportunities

- Residency Programs
- Nursing Programs
- Surgical Technology Programs
- Medical Staff & Team Training
- CME & CE

"SimPraxis will revolutionize healthcare education."
—Jon Pryor, MD, Professor & Chairman,
Dept. of Urologic Surgery, University of Minnesota

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SimPraxis® Laparoscopic Hysterectomy Trainer

The self-paced SimPraxis® Laparoscopic Hysterectomy Trainer is a robust, elegant and an engaging way to learn. This powerful training module is designed to significantly advance the surgical knowledge, efficiency and competency of the surgical team and improve patient safety.

The learning objectives of this SimPraxis Trainer are: to orient the user to the roles of the surgeon and assistant; learn the relevant anatomy; learn the specific steps of the procedure; understand the required port placements; become familiar with the necessary instruments; and master the key risks of the laparoscopic hysterectomy.

The SimPraxis pedagogical approach divides the entire laparoscopic hysterectomy procedure into numerous discrete, logical steps. The Trainer asks the user to decide if the surgeon or assistant controls the step, choose correct instruments, select the appropriate port, identify the key anatomic structures, and indicate where the next step of the procedure should reasonably be carried out. A Variations section is also provided with several surgeons discussing and describing their approach in both sequence and technique.

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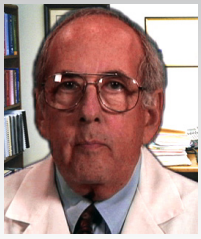

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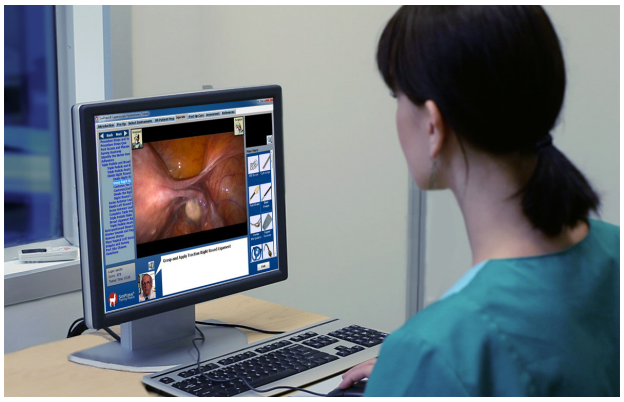

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