

## Introduction to Red Llama and SimPraxis™

### Red Llama

Red Llama, Inc., founded in 2002, is headquartered in Seattle, Washington with an office in Minneapolis, Minnesota. Its mission is to deliver an interactive simulation software platform and multiple procedure-specific training modules that provide a cost-effective and engaging cognitive learning experience on an individual's computer. Incorporating high-fidelity video and detailed assessment capabilities, Red Llama's sophisticated interactive simulation technology results in significantly higher student motivation, knowledge acquisition, and retention of information.

Red Llama provides the premier method for disseminating expertise on complex medical and surgical procedures through its SimPraxis™ interactive simulation software platform for cognitive training.

### SimPraxis™

SimPraxis is a customizable interactive simulation software training platform that uses integrated multimedia (such as video, 3D models, radiology, illustrations, text, and still images, all captured from live procedures) and combines them with expert cognitive training pedagogy to create a powerful simulation of the procedure. The integration of these elements creates a sense of performing physical procedures while only using standard PC hardware and mouse for just-in-time learning.

Using SimPraxis, video clips are not merely watched passively; rather users interact directly with the video and the software, creating an emotionally engaging and realistic simulation of the procedure. Just as important, SimPraxis offers detailed tracking and assessment of performance.

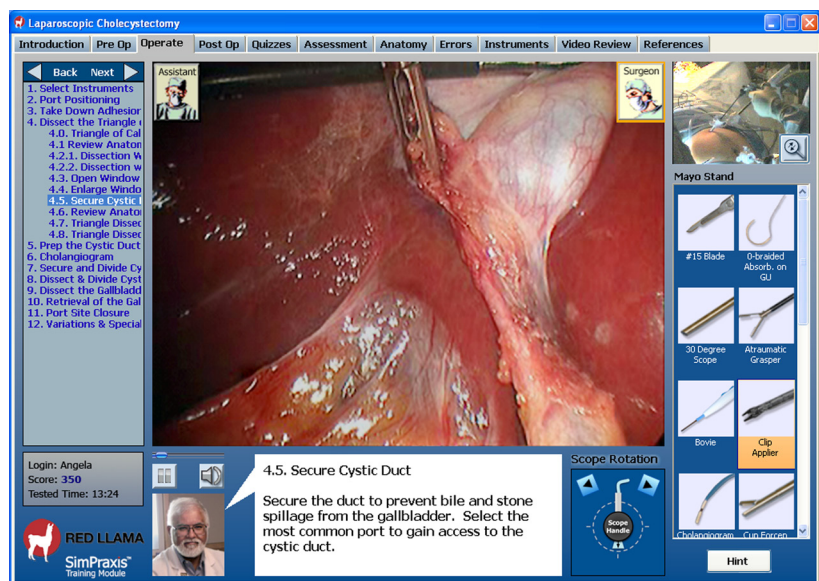
### Training Opportunities

#### SURGICAL PROCEDURE CURRICULUM

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

#### INDUSTRY TRAINING

- Sales Training
- Medical Education Programs
- Clinical Trials
- Marketing and Demonstrations
- Product Introduction Training



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.



## SimPraxis™: An Interactive Simulation Software Platform

The medical community needs a way to rehearse surgical procedures that closely mimics performing actual procedures, and can be done at any time and any place using readily available equipment. SimPraxis™ is the platform that provides a just-in-time learning experience on an individual's computer.

Utilizing a core set of cognitive learning objectives, SimPraxis offers a consistent, iterative, and coordinated building-block approach to training. In addition, it supports and enhances multiple learning modalities.

SimPraxis offers a realistic, cost-saving, and game-like way to deliver training on new and existing procedures quickly and directly to those who need it, when and where they need it. Presently, SimPraxis is being deployed on personal computers in the medical field to Medical Device Manufacturers, Medical Schools and Training Hospitals and the Continuing Medical Education industry.

Validation Studies at the University of Washington are confirming the positive impact SimPraxis has on the learning process.

As a software platform, SimPraxis can be used to create any number of cognitive trainers covering specific surgical procedures.

### Training Modules

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

- Laparoscopic Cholecystectomy
- Laparoscopic Nissen Fundoplication (pre-order)
- Laparoscopic Hysterectomy (Q4 2010)

These Trainers may be purchased at:  
<http://www.redllamastore.com>



### Critical Decision-Making

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

### 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

### Virtual Mentor

A subject matter expert 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.



"SimPraxis will revolutionize healthcare education."

—Jon Pryor, MD, Professor & Chairman,  
Dept. of Urologic Surgery, University of Minnesota