

# EndoSim<sup>®</sup>

## Putting Vision into Practice.



FUNDAMENTAL ENDOSCOPY SKILLS 1

FUNDAMENTAL ENDOSCOPY SKILLS 2

THERAPEUTIC SKILLS

COLONOSCOPY INTUBATION

GASTROSCOPY INTUBATION

[www.SurgicalScience.com](http://www.SurgicalScience.com)



**surgicalscience**

Using advanced modeling technology, lifelike anatomic detail and realistic touch feedback, physicians can now experience diverse complications and scenarios while building confidence and proficiency. EndoSim, a cutting edge flexible endoscopy simulator from Surgical Science, delivers medical simulation training with unequaled graphics, usability and haptics (tactile feedback).

### KEY FEATURES INCLUDE:

- True-to-life physiological responses and tool behavior
- The only available detachable desktop haptic unit for enhanced portability and usability
- Comprehensive training package, including administrator-friendly course planning features
- Customizable skill training and case scenarios
- Extensive performance metrics

### THE ENDOSIM SYSTEM

The complete EndoSim system includes a haptic hardware platform, with force feedback on insertion and rotation; a unique detachable desktop haptic unit; two scopes (gastroscopy and colonoscopy), with full insertion length tubes; Fundamental Endoscopy Skills 1 & 2, and Therapeutic Skills software modules; all necessary computer and monitor hardware; and a height adjustable rolling SimFrame.



ENDOSIM SYSTEM (above)

DETACHABLE DESKTOP HAPTIC UNIT (left)

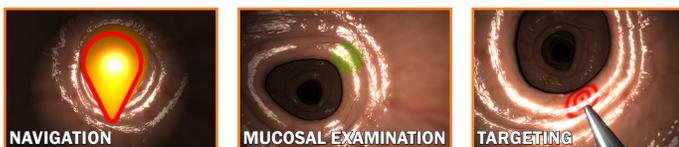
### ENDOSIM CORE SOFTWARE MODULES

#### FUNDAMENTAL ENDOSCOPY SKILLS 1



This set of fundamental tasks aim to familiarize the user with the different basic functions of the scope handle and tube. They are all shown in a non-real environment, as the focus is not to examine any mucosa but to learn the techniques.

#### FUNDAMENTAL ENDOSCOPY SKILLS 2



Developed to help prepare trainees for assessment in the fundamental skills required of flexible endoscopic surgery. Skills included are: navigation, mucosal examination, targeting, retroflexion, and loop reduction.

#### THERAPEUTIC SKILLS



EndoSim's scope features an active channel for biopsy forceps, endoscopic snare and injector, allowing trainees to learn and master key clinical skills related to pathology biopsy, polypectomy biopsy and injection sclerotherapy.

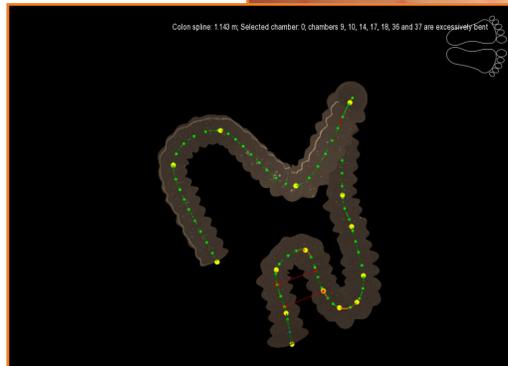
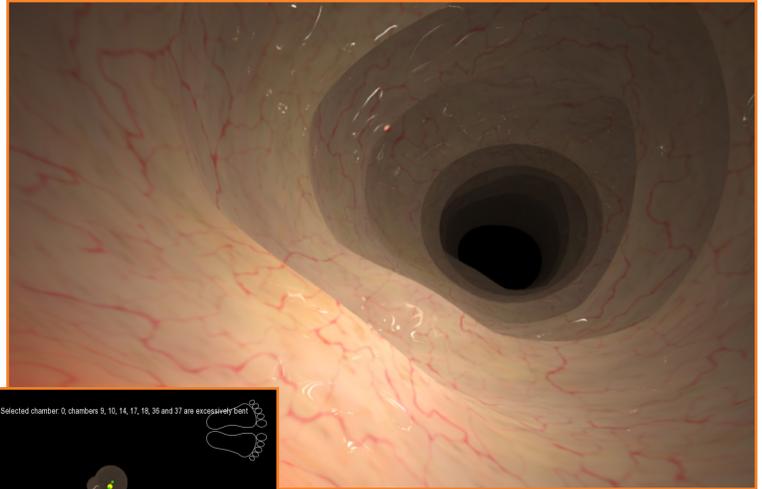
# Beyond the Basics.

## ADDITIONAL ENDOSIM SOFTWARE MODULES

### LOWER GI: COLONOSCOPY INTUBATION

#### Comprehensive Colonoscopy Skills Training and Procedural Situations

While interacting with a virtual reality simulation of the human colon, physicians train to navigate through the entire large intestine, from rectum to cecum, at different difficulty levels. Featuring a flexible colon model, cases include looping and challenging anatomies of various kinds that are combined and applied to different parts of the colon down to the cecum. For each pathology the location and severity can be changed.



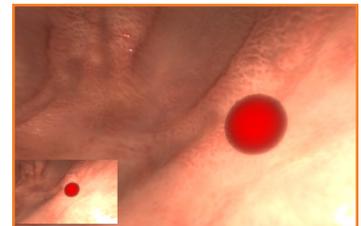
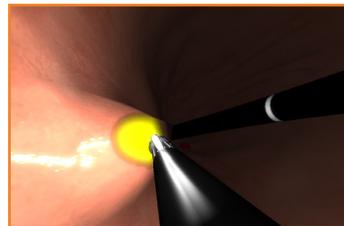
#### COLONOSCOPY FEATURES:

- Six intubation training cases

### UPPER GI: GASTROSCOPY INTUBATION

#### Intubation

Using newly developed dynamics for a fully simulated, responsive scope, our upper GI exercises give the learner the possibility to train on scope handling, navigation to duodenum and back, and mucosal examination; all to maximize technical skills and minimize risks before the first meeting with the patient.



#### GASTROSCOPY FEATURES:

- Photography
- Biopsies/sample pathologic lesions
- Randomized target area seeding capabilities



# Keeping **EndoSim<sup>®</sup>** on the Cutting Edge.

## UPDATES & SUPPORT

A big part of delivering on our commitment to advance the field of medical simulation training is making sure our software is evolving, improving and available to our users without any hassle.

Subscribers to our Update & Support agreement receive upgrades, including improved software. Delivered conveniently and without any downtime.

Our customer service is also the best in the business. Issues are rare, but if they do arise, your trainees will be practicing again in no time.



## surgicalscience

Surgical Science is the unmatched global leader in medical simulation training, offering the industry's highest quality and most innovative virtual reality surgical education tools to fulfill our mission of providing validated, targeted and efficient training in the most true-to-OR scenarios possible.

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