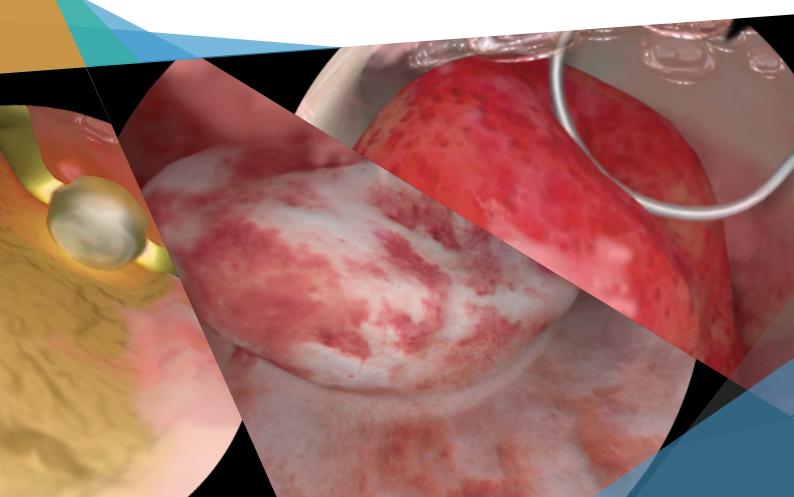
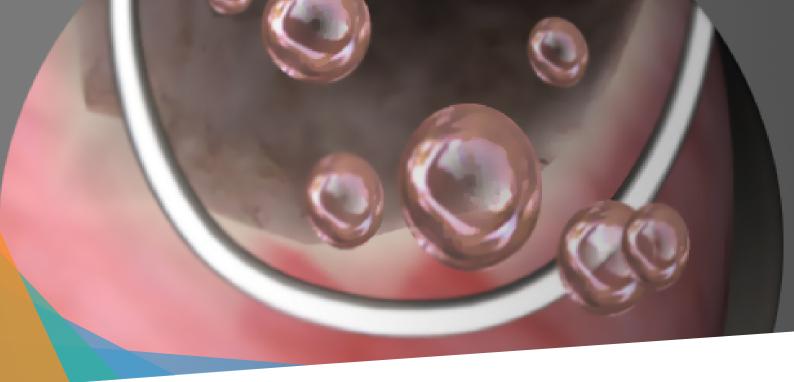


# HYST Mentor<sup>™</sup> TURP Mentor<sup>™</sup>





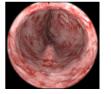
#### Flexible, cost-effective solutions suitable for various settings

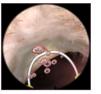
- Height adjustable platform
- Monitors for simulation control and the procedural view
- Haptic system with 4 degrees-of-freedom

#### ADAPTED ORIGINAL RESECTOSCOPE

- Fully extractable
- In and outlet valves for fluid handling
- 0° 12° and 30° virtual cameras
- Working element for electro-surgery

#### **Educational Features**



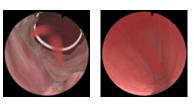


HANDS-ON SIMULATION TRAINING Practice basic tasks to complete procedures in various techniques at a range of difficulty levels.



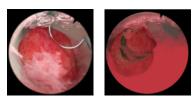
**DIDACTIC EXPERT TUTORIALS** Introduce and explain "best practice" in core procedural techniques.





HANDS-ON COMPLICATION TRAINING

Perform a safe and effective procedure while efficiently managing bleeding and complications.



MASTERING INSTRUMENTS Work with original scopes: diagnostic hysteroscope with angled optics, loop electrode, laser fiber, scissors, graspers and more.

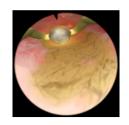
Combined platform for the hands-on practice of hysteroscopy, transurethral resection of the prostate (TURP), transurethral resection of bladder tumors (TURB) and laser BPH treatment.

#### HYST Mentor - comprehensive hysteroscopy curriculum

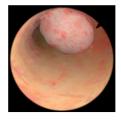
Only Simbionix products provide a complete Women's Health Training Curriculum including simulators for Robotic Surgery, Laparoscopy, Ultrasound, Pelvic Exams and Diagnostic and Therapeutic Hysteroscopy.



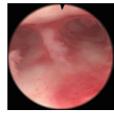
**Essential Skills** 



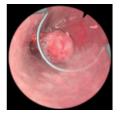
Rollerball Endometrial Ablation



Diagnostic Hysteroscopy



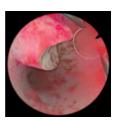
Advanced Resection



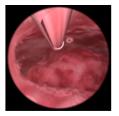
Polypectomy



Essure



Myomectomy



Morcellation

## TURP Mentor - comprehensive training for TURP, TURB and BPH treatment

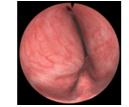
Only Simbionix products offer a complete Urology Training Curriculum including simulators for Robotic Surgery, Laparoscopy, Endourology, TURP, Laser BPH and TURB.



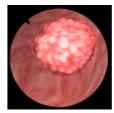
**TURP Basic Skills** 



Laser BPH



TURP Procedures



TURB

Request a demo or more information at **healthcare@3dsystems.com** 



"HYST Mentor allows our residents and fellows to improve their skills in hysteroscopic basics procedures as well as more advanced procedures such as synechiae or septa procedures. I really think that a such simulator is very useful in a teaching university hospital."

> **Dr. Guillaume Legendre** Department of Obstetrics and Gynecology Angers University Hospital, Angers, France



"TURP Mentor offers urology surgeons extremely realistic hands-on training with a wide range of prostate anatomies, pathologies and operative complications. Surgeons can practice the procedure to perfection without risking the patient, after which they can transfer this experience to the OR."

**PD Dr. med. Michael Müntener** Head Physician Urology University Hospital Zurich

#### MentorLearn Simulator Curricula Management System

3D SYSTEMS' MULTIDISCIPLINARY SIMULATORS EFFORTLESSLY INTEGRATE INTO YOUR PROGRAM CURRICULUM.

MYOMECTOMY	0 / 100		0 %	VISUALIZATION
	Score	Measured	Goal	The second second
femoved pathology	0/100	47.%	> 98 %	
SAFETY	78/80		97 %	<ol> <li>Yes 4</li> </ol>
	Score	Measured	Goal	and the second
fool active without contact	18/20	35	< 3 s	and the second second
Tool active when pushing	20/20	0	0	The 200 M
Cervix contacts	20/20	0	< 1	
Cavity contacts	20/20	0	<1	1000
ECONOMY	76 / 80		95 %	MOVIE REPLAY
	Score	Measured	Goof	
Procedure time	40/40	131 s	< 240 s	
Cumulative path length	30/30	576 mm	< 900 mm	
Camera alignment	6/10	90.%	> 95.96	10
VISUALIZATION	35/40		87 %	- 64
	Score	Measured	Goal	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Uterine caulty	30/30	91%	> 85 %	A TO CONTRACTOR
left ostium	0/5	0.5	>1s	
Right ontium	5/5	3 5	>1 x	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FLUID HANDLING	40/40		100 %	and the second sec
	Score	Measured	Goaf	-
Time view obscured	20/20	0 5	< 30 s	
Time uterus collapsed	10/10	2.5	< 15 s	
Distension media used	10/10	311 ml	< 500 ml	
Iser: Mister ; Date: 2012-9-25	, 10:51 ;			
lase: Myomectomy, Medium	1			

- 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.
- Recorded videos of the simulation sessions for debriefing.

### **Healthcare Solutions**

3D Systems is a pioneer for healthcare solutions that improve outcomes which benefit both patients and surgeons. Our global team works with customers to help navigate technologies and provide support for surgical planning, training, device design, personalized medical technologies and 3D printing. We are dedicated to helping medical professionals train for, plan and practice complex medical procedures.

©2017 by 3D Systems, Inc. All rights reserved. Specifications subject to change without notice. 3D Systems is a registered trademark and the 3D Systems logo is a trademark of 3D Systems.



**3D Systems Corporation** 5381 South Alkire Circle Littleton, CO 80127 USA Tel +1-720-643-1001 healthcare@3dsystems.com

Grauwmeer 14, Leuven Belgium Tel +32-1694-6400 info.leuven@3dsystems.com 3 Golan Street (Golan Building) Airport City, 7019900 Israel Tel +972-3-911-4444 healthcare@3dsystems.com

www.3dsystems.com/healthcare | www.simbionix.com