

Endoscopic

Dry Lab Skill Training

with +he Academy Model



 **ID TRUST**
MEDICAL

European
+heAcademy of
Gynaecological
Surgery

VISION

The vision on training and education in gynaecological endoscopic surgery has changed during the last decades in a revolutionary way. Today the classical apprentice-tutor model is challenged. Learning endoscopic psychomotor skills on a patient:

- + increases patient morbidity and mortality
- + demands a high exposure rate
- + decreases educational efficiency

That is why endoscopic psychomotor skills must be trained and tested prior to training in the operating room. Presence of an expert endoscopist as a mentor is less important than repetition of skill exercises. An educational institution should be able to objectively measure the individual skills and define the entry criteria for in operating room training.

The practical training of **+he Academy** correlates very well with the necessary skills required for endoscopic surgery.

ID Trust Medical strives to make the access to training and testing tools affordable and easily available. It aims to connect the medical and technical scientific world by developing a platform for innovative training, contributing to improving endoscopic surgical treatment. It is the place to be for hospitals, residents and graduated practitioners who want to train and improve their psychomotor endoscopic skills.

Joint Recommendation

The ESGE, EBCOG, EAGS, ENTOG, ACOG and AAGL, six leading professional organisations in gynaecology, have joined forces in a global recommendation regarding endoscopic surgical training and quality assurance.

This recommendations states that each hospital teaching endoscopic surgery should make available an endoscopic dry lab for training and improving the proficiency of the endoscopic surgery skills of the physician.

IMPORTANT RECOMMENDATION ON ENDOSCOPIC TRAINING AND QUALITY ASSURANCE

As professional organizations we strongly recommend that each hospital teaching endoscopic surgery should make available an endoscopic dry lab for training and improving the proficiency of the endoscopic surgery skills of the physician.

Evidence is provided that dry lab training prior to training in the OR, reduces patients' morbidity and mortality in all endoscopic surgical disciplines, and as such the skill testing infrastructure should aim for multi-disciplinary usage.

ESGE

EBCOG

EAGS

ENTOG

ACOG

AAGL



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April 8, 2014

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PRINCIPLES

+he Academy and ID Trust Medical strive to make training tools available that are universally accessible and follow the international recommendations on providing dry skill lab training.

We have developed training models for laparoscopy, hysteroscopy and suturing which are used throughout the world both for training and certification.

Access to these specific training tools is affordable and easy through the online store of ID Trust Medical at www.id-trust-medical.eu

Information regarding the scientific validity of the training programmes and detailed information on what they entail can be found on the website of +he Academy at www.europeanacademy.org

Training tools that are used in the official Gynaecological Endoscopic Surgical Education and Assessment (GESEA) programme, as developed by +he Academy and the ESGE, are marked with “G E S E A”.

Steps to start Training with +he Academy Model

+ Select the discipline in which you would like to train

+ Verify whether you have all the necessary equipment (e.g. video tower, optic)

+ Identify the training tools you need

+ Purchase your tools on www.id-trust-medical.eu

+ Start training!

Tools and Equipment needed for Training



Laparoscopy

LASTT®

- + Video tower
- + 0° optic & 30° optic
- + Dissection forceps & grasping forceps

+ LASTT Training Package **p. 7**

+ Online Scoring Platform **p. 13**

+ Academy or Szabo Pelvic Trainer **p. 12**

Suturing

SUTT®

- + Video tower
- + 0° optic
- + Needle holders

+ SUTT Training Package **p. 8**

+ Online Scoring Platform **p. 13**

+ Szabo Pelvic Trainer **p. 12**

E-knot®

- + Laptop
- + Needle holders

+ E-knot Home Trainer **p. 11**

Hysteroscopy

HYSTT®

- + Video tower
- + 30° optic
- + Hysteroscopic working channel & grasper

+ HYSTT Training Package **p. 9**

+ Online Scoring Platform **p. 13**

TOOLS

For Training Endoscopic Psychomotor Skills



LASTT®

Laparoscopic Skills Training and Testing Method

The LASTT® method uses the LASTT® model, representing the spatial distribution and orientation of the different planes and angles of a female pelvis.

It provides validated laparoscopic exercises to train and test the individuals on their laparoscopic psychomotor skills. Skills which are mandatory to acquire, in addition to the surgical skills.

Test proficiency should guarantee excellent practical performance like the ability of depth appreciation on a two-dimensional screen, camera navigation, hand-eye coordination, handling long instruments from a fixed position and the knowledge of basic endoscopic instrumentation.

The Exercises

The LASTT® model is placed into a Pelvic Trainer box, mounted with the relevant materials for the 3 exercises, and connected to an endoscopic tower.

The exercises are performed with standard laparoscopic instruments:

10 mm 0° optic, 10 mm 30° optic, 5 mm dissection forceps,
5 mm grasping forceps.

The first exercise measures the ability of a person to navigate the camera and to handle the 30° optic; 14 targets have to be identified in a precise order. The second measures the hand-eye coordination by positioning 6 small rings over a nail and the last exercise measures the bimanual coordination by transporting 6 pin-objects from one hand to the other and then to corresponding target.



LASTT® Training Package

SKU **LAP102**

GESEA

- **Wooden LASTT® Model**
- **Exercise Inserts**
- **Exercise Elements**
- **Academy Stopwatch**
- **USB Stick with Instructions**

SUTT®

Suturing and Knot Tying Training and Testing Method

A series of tests on stitching and knotting have been defined to train and test the quality level of needle handling, stitching, tissue approximation and knot tying.

The Exercises

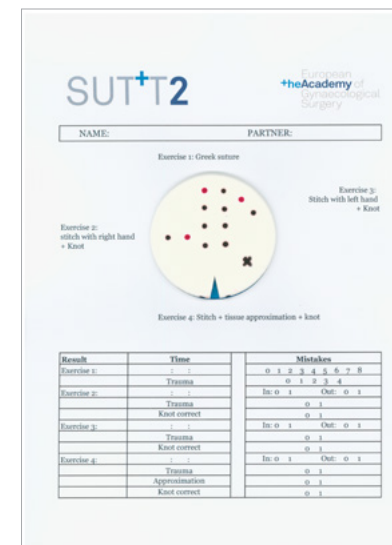
The SUTT® Foam Board with disposable SUTT® pad is placed inside a Szabo Pelvic Trainer box. SUTT1® provides one exercise in stitching and knot tying using the dominant hand. SUTT2® provides 4 exercises evaluating the precision of needle manipulation, intracorporeal knotting and tissue approximation using both dominant and non-dominant hand.

SUTT® Training Package

SKU **SUT102**

GESEA

- SUTT® Foam Board
- 10 disposable SUTT1® Pads for Training
- 10 disposable SUTT2® Pads for Training
- Academy Stopwatch
- USB Stick with Instructions



HYSTT®

Hysteroscopic Skills Training and Testing Method

The HYSTT® model simulates all possible movements one should perform during a hysteroscopic procedure. It tests and trains hysteroscopic camera navigation and instrument handling. The model is made in a shape similar to a human uterus, installed in an artificial tissue model simulating the female genital anatomy.

The Exercises

Exercise 1 evaluates the skills of an individual to handle the camera and work with a 30° optic in an hysteroscopic environment. Various sets of modules are used in order to eliminate the memory effect for the participants. Exercise 2 evaluates the skills of simultaneous camera and instrument handling and hand-eye coordination skills as its goal is to pick and extract 14 pins.

HYSTT® Training Package

SKU **HYS103** **GESEA**

- Academy Table Holder with Long Female Genital Model
- 3 HYSTT® Exercise 1 Models and 3 HYSTT® Exercise 2 Models
- HYSTT Replacement Pins
- USB stick with instructions



Pelvic Suturing Package

Suturing for Pelvic Trainer

The Artificial Tissue Suturing Package contains a metal base on which an Artificial Tissue Suturing Pad is attached. This setup has to be placed in a Pelvic Trainer.

This package comes complete with a structured training programme and tips and tricks for laparoscopic suturing made by Prof. A. Wattiez.

Pelvic Suturing Package

SKU **SUT701**

- Academy Metal Base for Pelvic Trainer
- Artificial Tissue Suturing Pad
- USB stick with Training Programme by Prof. A. Wattiez



E-knot®

Suturing Home Trainer

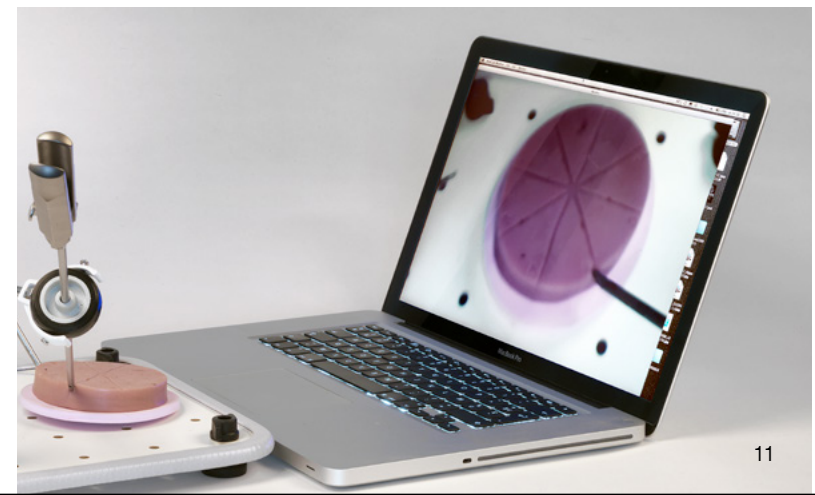
The E-knot® is a home trainer developed by +he Academy to train specifically on the challenging skills of laparoscopic suturing and knot tying in a simple way at any location using your own laptop.

It includes a structured training programme and tips and tricks for laparoscopic suturing made by Prof. A. Wattiez.

E-knot® Trainer (with or without needle holders)

SKU **SUT401** SKU **SUT411**

- E-knot®
- 2 Needle Holders (optional)
- USB Video Camera to connect to a Portable Computer
- USB Stick with Training Programme by Prof. A. Wattiez



Pelvic Trainers

The Pelvic Trainers are to be used with the LASTT® Training Package and SUTT® Training Package.
The LASTT® or SUTT® models are placed inside the Pelvic Trainer to correctly execute the exercises.



Szabo Pelvic Trainer

SKU **PET201**

GESEA

The Szabo Pelvic Trainer is suited for both LASTT® and SUTT® and is the validated trainer box of the GESEA Programme.



Academy Pelvic Trainer

SKU **PET101**

The Academy Pelvic Trainer has been developed as a cost-efficient alternative to the Szabo Pelvic Trainer for use with the LASTT® model.

OSP® Online Scoring Platform

The Universal Platform for Gynaecologists and Surgeons

The Online Scoring Platform is your central hub to manage in-house LASTT®, SUTT® and HYSTT® training sessions.

- + manage trainees participating in your sessions
- + submit LASTT®, SUTT® and HYSTT® training results
- + see how your trainees relate to the benchmark group and see the group distribution
- + validate when the minimal requirement for entry in the operating room is met
- + issue branded reports for internal use

OSP® for Training Centres

SKU **OSP101**

GESEA

- One-year license for the Online Scoring Platform for Training Centres

Reporting on Psychomotor Skills with the Laparoscopic Skills Training and Testing Method

LASTT training – 28/11/2016

Exercise 2: Hand-Eye Coordination

A. Benchmark Data

Exposure to Laparoscopy	LASTT score		
	Excellent	Fair	Room for Improvement
Minimal	27.6%	46.5%	25.9%
Intermediate	45.3%	44.3%	10.4%
Major	67.9%	27.7%	4.4%

B. Distribution Course Group

LASTT score		
Excellent	Fair	Room for Improvement
90.9%	9.1%	0%

C. Your Personal Score

Exposure to Laparoscopy based on your identification data:

Minimal

Your position in the benchmark group:

Your place in the Benchmark group on a scale from 0 to 100:

98

Mentee name:

Chris FARMER (23/8/1976)

Demo
Training
Centre

Demo Training Centre

Mentor: Joseph ACME

This report is for internal use only, it is a tool to provide every mentee feedback on her or his Laparoscopic Instrument Handling (LASTT) skills in relation to the benchmark group studied by +theAcademy. It provides the mentee a reference in preparation for the practical exam of +theAcademy certificate. More info on the certification programme at www.europeanacademy.org.

Example report of the second exercise of the LASTT® Training Model.

Product Bundles

Our product bundles combine a complete setup to equip your dry lab. They include a one-year OSP® for Training Centres license to organise your training sessions.

LASTT® Starter Bundle

SKU **BUN102**

The LASTT® Starter Bundle contains everything you need to start your in-house laparoscopic training with the LASTT® model in a cost-efficient package.

LASTT® Training Package

Academy Pelvic Trainer

One-year license OSP® for Training Centres

GESEA Laparoscopy Bundle

SKU **BUN202** **GESEA**

The GESEA Laparoscopy Bundle is packed with all the necessary training tools and accessories to start your GESEA validated in-house LASTT® and SUTT® training.

LASTT® Training Package

SUTT® Training Package

Szabo Pelvic Trainer

One-year license OSP® for Training Centres

GESEA Starter Bundle

SKU **BUN401** **GESEA**

The GESEA Starter Bundle is packed with a full setup for your GESEA validated in-house LASTT®, HYSTT® and SUTT® training.

LASTT® Training Package

SUTT® Training Package

HYSTT® Training Package

Szabo Pelvic Trainer

One-year license OSP® for Training Centres

HYSTT® Starter Bundle

SKU **BUN302** **GESEA**

The HYSTT® Starter Bundle combines the HYSTT® Training Package with a one-year OSP® for Training Centres license.

HYSTT® Training Package

One-year license OSP® for Training Centres

Hysteroscopy Dry Lab Bundle

SKU **BUN501** **GESEA**

The Hysteroscopy Dry Lab Bundle combines the HYSTT® Training Package with a set of 12 diagnostic models.

HYSTT® Training Package

Hysteroscopy Diagnostic Model Set

One-year license OSP® for Training Centres



+HE ACADEMY

The European Academy of Gynaecological Surgery and ID Trust Medical make training tools available that are universally accessible and follow the international recommendations on providing dry skill lab training.

This brochure gives an overview of our tools and guides you in your training efforts.

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