



Becoming a GESEA Training Centre

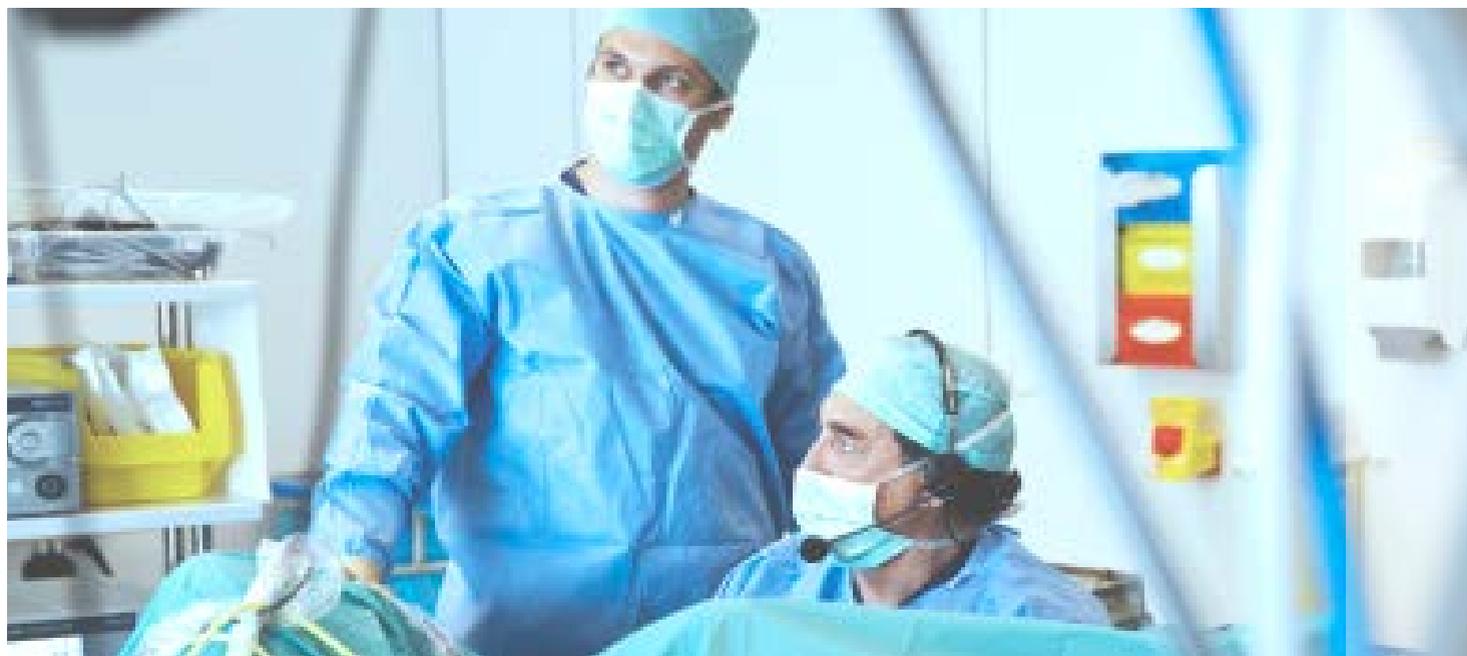
ESGE

Standards & Criteria

Process

Tools

Principles



European
theAcademy of
Gynaecological
Surgery





The European Society of Gynaecological Endoscopy (ESGE) has, in collaboration with The European Academy of Gynaecological Surgery (EAGS), elaborated a well-balanced diploma curriculum, called Gynaecological Endoscopic Surgical Education and Assessment (GESEA) programme, based on the current best scientific knowledge.

The GESEA programme is coping with some of the current issues related to endoscopic surgery such as:

- Excessive long learning curves in the conventional apprentice-tutor model and limited number of endoscopic interventions in the teaching hospitals.
- Absence of dry labs for endoscopic surgery and limited accessibility of specific learning programmes.
- Absence of a universal accepted validated system of certification.

The GESEA curriculum is a unique diploma programme developed to provide a structured, educative path to achieve an ESGE Diploma in endoscopic surgery.

The programme is based on the evidence that an endoscopic surgeon requires 2 different sets of practical skills. On one hand, the instrument handling skills required to deal with the challenge of working in the endoscopic environment and on the other hand, the surgical competences.

Endoscopic skills and surgical skills have different learning requirements. The fine motor skills requisite to endoscopy can

be compared to learning to ride a bicycle. These skills can be practiced alone, without the presence of a highly skilled endoscopic surgeon. Once acquired the skills are retained over a long period of time. Surgery is a continuous learning process which requires a one-to-one learning experience with a highly skilled surgeon. Practical procedural experience is of the essence here.

The GESEA programme defines the theoretical and practical skills necessary to acquire prior to enter the different levels of surgical competence training. An endoscopic training centre should provide to their students the access to the theoretical and practical learning platform. In this way the endoscopic surgeons are trained to enter the structured training, certification and diploma programme of the ESGE.

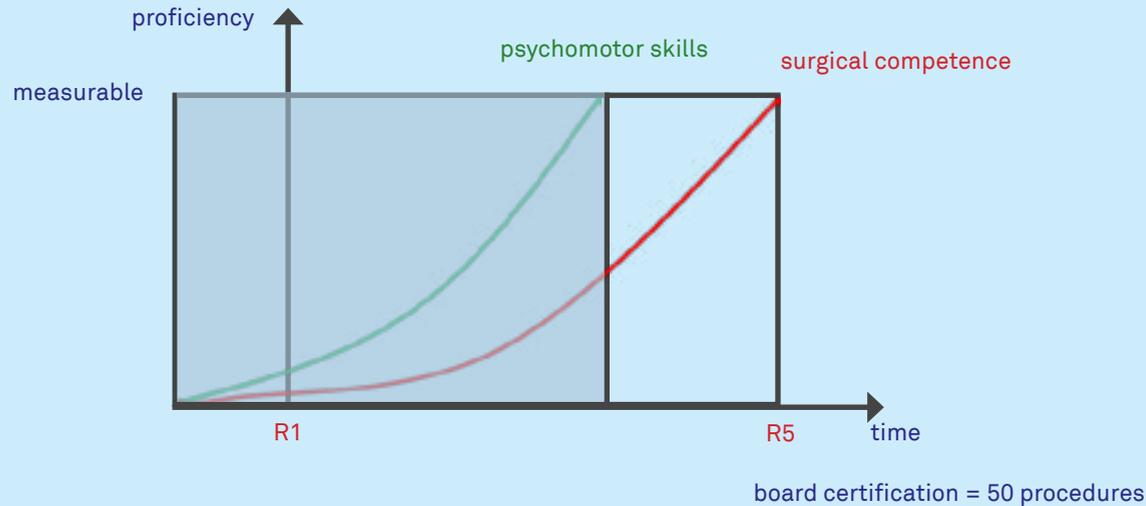
It has integrated those findings in a structured, educational training route. This programme has the support and recognition of the European Board College of Obstetricians and Gynaecologists (EBCOG), the European Network of Trainees in Obstetrics and Gynaecology (ENTOG) and national and international societies and institutions.

To roll out this programme, a group of qualified GESEA Accredited Centres is needed, all over the world.



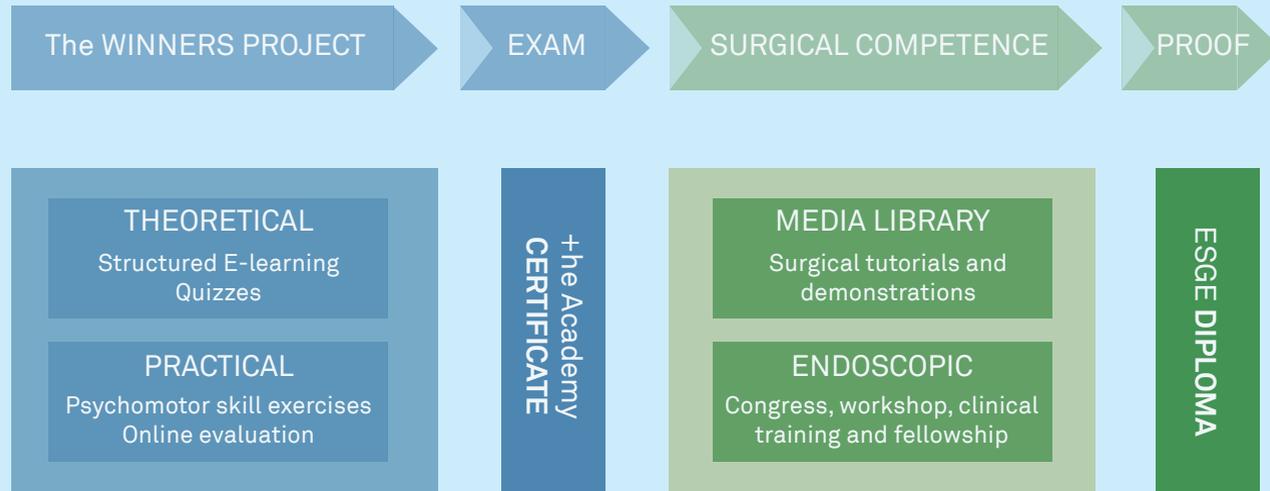
PROGRAMME

Revision of the training model in endoscopic surgery in a two-step learning programme. First, skill lab training with validation is completed, followed by the acquisition of surgical competence.



R1: first year resident
R5: last year resident

GESEA



The figure shows the GESEA structured learning and validation path. The participant should first achieve the knowledge and skill certificate of +he Academy followed by the ESGE diploma on surgical competence. Both validations are preceded by specific educational modules.

The unique GESEA programme includes **three proficiency levels**

- the Bachelor level
- the Minimally Invasive Gynaecological Surgeon [MIGS]
- the Master level

Each level progressively builds expertise with structured exercises and validations at each level of training (Figure 1). Each level of proficiency comprises two steps (Figure 2). In the first step, surgeons train to achieve a defined level of skills and knowledge on a platform called the winner's project (WP, Figure 2). The WP offers theoretical and practical skill learning modules necessary for completing the certification exam.

The training programme is accessible through the website

www.europeanacademy.org/training/

In the second step, surgeons start with endoscopic surgical training. A minimum number of procedures has been defined for each proficiency level. In addition, specific numbers of credits must be earned in continuous medical education (CME) and continuous professional development (CPD). Upon completion of both steps, the surgeon is eligible for a diploma, issued by the ESGE, which certifies that all criteria for a given level of expertise were met.

Upon completion of the WP, the participant takes a theoretical and practical examination to attain the Academy certificate. This procedure is organised by a **+he Academy** certification body.

The tests performed are:

- Level one: LASTT ®; SUTT 1®; HYSTT 1 ®; theoretical test session (TESTT) 1 ®
- Level two: LASTT ®; SUTT 2®; HYSTT 2 ® and TESTT 2®
- Level three: Master in Laparoscopy (Laparoscopic Pelvic Surgeon): L-TESTT 3® and SUTT 3. Master in Hysteroscopy: H-TESTT 3® and HYSTT 3



REQUIREMENTS

to become a GESEA Training Centre in Gynaecological Endoscopy

A specific training or dry skill lab is present at the centre, containing the following tools:

- Laparoscopy: Laparoscopic Pelvic trainer, 0° and 30° optic.
- Dissection forceps, grasping forceps, 2 laparoscopic needle holders and endoscopic scissors.

Optional:

- Video endoscopy tower with 15" LCD display.
- Hysteroscopy box trainer with rigid hysteroscopes for diagnostic, mechanical operative and resectoscopic training.
- Virtual reality trainers for laparoscopy or hysteroscopy are an advantage but not a mandatory requirement.

Specific tools

Each GESEA Training Centre needs to implement **the Academy** training and reporting tools (OSP).

- **Online Scoring Platform:** to keep track of the individual or group results and progress in training and their position versus the benchmarking group (Can be used with LASTT, SUTT and/or HYSTT).
- **The LASTT® training package** containing the LASTT® model, exercise inserts and elements, operating manual and explanatory DVD.

Optional but recommended:

- **The E-knot®** for home training containing the E-knot® tool, web camera to connect the E-knot® to a laptop, installation software for the web camera, and 2 comprehensive educational DVD's.
- **The HYSTT:** Used to test and train hysteroscopic camera navigation and instrument handling.
- **The SUTT:** to train and test the quality level of needle handling, stitching, tissue approximation and knot tying.

TOOLS

for the startup of a GESEA Training Centre

The minimal requirements to start: free acces to the tutorials, the online scoring platform and the LASTT model.

OSP® Online Scoring Platform

A universal Online Scoring Platform for gynaecologists and surgeons alike to register participants' data and test results in a central database.

The mentee is allocated to a certain experience group and his or her personal evolution is documented in detail. Comparison with fellow mentees is possible and as soon as the different expertise levels are reached the platform informs the individual.

With the OSP the centres can keep track of the registered participants results and progress in training and their position versus the benchmarking group. Given certain obtained thresholds, the OSP will inform when the trainee is ready to achieve the bachelor level (seen as the minimal requirement for entry in the OR) or indicate that there is room for further training.

Both participant and centre have their own working space on the OSP.

You can buy OSP on www.id-trust-medial.eu.

Afterwards you will receive a registration form for the OSP. Finally the Academy team will allocate you on the OSP and your personal scoring platform is ready to be used.

In order to activate your centre on the www.scoring.europeanacademy.org we ask you to complete all information below, attach the logo of your institution and return it to info@europeanacademy.org.

INSTITUTION

Name:

Address:

City: Postal Code:

Country: Phone:

URL website: E-mail:

Short description of the institute:

Text printed on report (Institution description; to be issued on the reports):

Logo (To be issued on the reports; Maximum file size: 10 MB; Allowed extensions: png gif jpg jpeg):

Attached

RESPONSIBLE PERSONS

Director (The name of the director of the institution, example of the format to be used: Prof. Dr. med. A. Goodman)

Chief Mentor
First name: Last name:

Title: E-mail:

I give the Academy permission to publish this data on europeanacademy.org for information purposes:

I agree

MENTEE MySpace

Mentees have access to their reports and a page that indicates the progress they have been making.

If a mentee browses to 'My reports', the mentee will be able:

- to add a training result of a training session
- to view certificates that have been handed out in a previous test initiated by a mentor
- to view training reports submitted by the mentee

The mentee has also access to a progress chart, accessible by browsing to 'My progress'.

This chart gives an indication of the progress of the mentee over time as it shows the scoring results normalised to a percentage scale over time.

CENTRE SPACE

Individual reporting Online Scoring Platform

Next to the progress reports, the individual can also get information on his/her position versus the benchmarking group.

The platform provides the possibility to correlate the individual performance to the Benchmark database, a very interesting tool which helps the individual to position him or herself in relation to their peers.

In case of group performance the group distribution is shown and the individual ranking in the corresponding group of expertise is serving as a personal motivator.

Group reporting Online Scoring Platform

For the course mentor, the OSP provides a very easy to handle overview with allocation of the individual course participants to the Green (excellent), yellow (fair) and red (room for improvement) group.

Example:

Group reporting SUTT2® Training and Testing 4 excercises.

Name	Exercise 1	Exercise 2	Exercise 3
Participant 1	Green	Yellow	Yellow
Participant 2	Yellow	Yellow	Yellow
Participant 3	Yellow	Yellow	Yellow
Participant 4	Yellow	Yellow	Yellow
Participant 5	Yellow	Yellow	Yellow
Participant 6	Yellow	Yellow	Yellow
Participant 7	Yellow	Yellow	Yellow
Participant 8	Yellow	Yellow	Yellow
Participant 9	Yellow	Yellow	Yellow
Participant 10	Yellow	Yellow	Yellow
Participant 11	Yellow	Yellow	Yellow
Participant 12	Yellow	Yellow	Yellow
Participant 13	Yellow	Yellow	Yellow
Participant 14	Yellow	Yellow	Yellow
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Participant 94	Yellow	Yellow	Yellow
Participant 95	Yellow	Yellow	Yellow
Participant 96	Yellow	Yellow	Yellow
Participant 97	Yellow	Yellow	Yellow
Participant 98	Yellow	Yellow	Yellow
Participant 99	Yellow	Yellow	Yellow
Participant 100	Yellow	Yellow	Yellow

Separate reports for each mentee

It is possible to get a printable pdf for each mentee. The mentee can see his or her score and the group he or she is in in comparison to a peer group.

Example:

LASTT exercise 2 scoring form

LASTT
 Reporting on Psychomotor Skills with the
 Laparoscopic Skills Training and Testing Method
 Continued Series 711 2014/2015 - 2014

Exercise 2: Hand-Eye Coordination

A. Benchmark Data

Exercise in Laboratory

	Excellent	Fair	Room for improvement
Overall	28.8%	45.8%	25.4%
Intermediate	47.7%	40%	12.3%
Novice	27.6%	27.6%	44.8%

B. Your Personal Score

Exercise in Laboratory based on your identification date

Your position in the benchmark group

Your place in the benchmark group is a score from 1 to 100

Mentor report

The Academy of Laparoscopic Surgery

Notes

The Laparoscopic Academy for Laparoscopic Surgery (LapAcademy) offers the generalist laparoscopic and advanced laparoscopic courses and a focus on training and education of laparoscopic students and residents in our training programs for residents and postgraduates.

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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 competencies.

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 Szabo 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 and third exercise measures the hand-eye coordination by positioning 6 small rings over a nail and the last two exercises measure the bimanual coordination by transporting 6 objects from one hand to the other and then in a corresponding target.



LASTT® Training Package (with or without needle holders)

- Exercise inserts
- Exercise elements
- Stopwatch
- Manual and documents
- Exercise DVD

SUTT® Laparoscopic Suturing Training and Testing Method

SUTT® training

Training in laparoscopic surgery is a real challenge. The actual pressure surrounding the surgical practice imposes evidently a validated quality control programme. This control starts by a standardisation of the surgical training.

The Academy has developed a model to train more complex and fine LPS like stitching and knot tying either as a home trainer, the E-knot® or with a conventional pelvitrainer.

For both a DVD made by Prof. A Wattiez guides you through a full learning programme in laparoscopic suturing techniques.

The SUTT® trainer box for pelvic trainer

- Suturing pads
- 2 Needle holders
- Neoderma
- 2 Training DVD's made by Prof. A. Wattiez with a structured training programme and a lot of tips and tricks for laparoscopic suturing.



E-knot® The new Suturing Home Trainer

The E-knot® is a new 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.

The E-knot® trainer box (with or without needle holders)

- 1 E-knot®
- 2 Needle holders
- 1 Video camera to connect to a portable computer
- 2 Training DVD's made by Prof. A. Wattiez with a structured training programme and a lot of tips and tricks for laparoscopic suturing.



SUTT® The Suturing and knot tying Training and Testing model

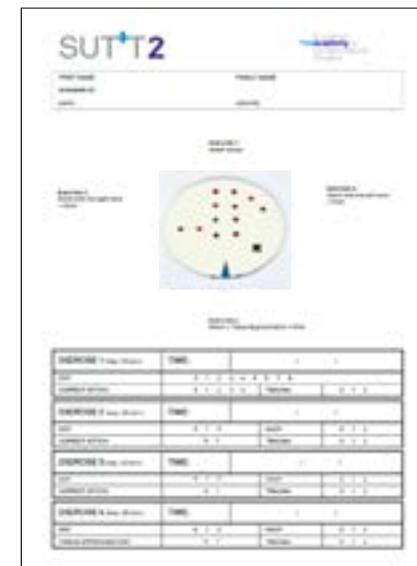
A series of tests on stitching and knotting have been defined to train and test the quality level of needle handling, stitching, tissue approximation and knot tying.

Two different SUTT® pad exercises are developed:

SUTT1® provides one exercise in stitching and knot tying using dominant hand.

SUTT2® provides 4 exercises evaluating the precision of needle manipulation, intracorporeal knotting and tissue approximation using both dominant and non-dominant hand.

Drawing of the official SUTT® testing pads.



The SUTT® testing box contains
10 disposable SUTT1®
10 disposable SUTT2®
Instruction manual for testing

HYSTT[®] Hysteroscopic Skills Training and Testing

Method

The HYSTT[®] model simulates all possible movements one should perform during a hysteroscopic procedure. The model is made in shape similar to human anatomy. Installed in a Neoderma model simulating the female genital anatomy.

The HYSTT[®] model is connected to an all in one endoscopic tower. The exercises are performed with an hysteroscopic 30° optic, 5 French working channel and a hysteroscopic grasper.

It is used in order to test and train hysteroscopic camera navigation and 5 French Instrument handling. For training purposes +he Academy developed 10 uteri with each a diagnostic challenge.

The HYSTT[®] contains

- 1 Female genital model with table fixation
- 10 +he Academy diagnostic hysteroscopic challenges
- 3 HYSTT1[®] models exercise 1
- 3 HYSTT2 models exercise 1
- 6 HYSTT 1 and 2 models exercise 2 with 100 pins

Recipient

Stop watch



HYSTT1 exercise 1



HYSTT exercise 2



HYSTT clinical

PRINCIPLES

Principles, Tools & Services

Principles

- It is universally accessible
- Follow the international recommendations and provide a dry skill lab to the mentees
- Access to the specific training tools is affordable and easy through the online store

www.id-trust-medical.eu

Tools

- 1x LASTT®
- access to the Online Scoring Platform
- benchmarking on the Online Scoring Platform generating automatically the certificate and diploma

Optional:

- 1 E-knot® with 2 needle holders
- 10x HYSTT® diagnostic uteri
- 1 'table top' Neoderma vagina
- 10 SUTT1® and 10 SUTT2® pads

Services

- The Academy team can guide you through the process. Send an email to info@europeanacademy.org if you have a questions.
- Training services are provided for centers and mentors at the Academy facilities and congresses.
- More info on: www.europeanacademy.org



CONTACT

This document provides information to start as a GESEA training centre and so improve the endoscopic skills of your mentees.

It stipulates the requirements with regard to venue, equipment, resources and staff.

For more information contact:

www.europeanacademy.org

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