

Becoming an accredited
GESEA Training Centre
in Gynaecological Endoscopy





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

The GESEA Educational Programme addresses some of the current issues related to endoscopic surgery like:

- + 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 educational programme developed to provide a structured, educative path to achieving a Minimal Invasive Gynaecological Surgeon Diploma.

The programme is founded on the evidence that an endoscopic surgeon requires two different skills sets: (1) instrument handling skills required to deal with the challenges of working in an endoscopic environment, and (2) the necessary surgical competences.

Instrument handling skills are psycho-motor skills that follow a learning process like swimming or cycling. They can be learned without the presence of a highly skilled endoscopic surgeon. Once these skills are acquired, the ability remains over a long period.

Surgical competence on the contrary is a continuous learning process and follows the learning characteristics of learning a language. It requires continuous practice and exposure.

The GESEA Educational Programme has integrated those findings in a structured, educational training pathway, and 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.



GESEA MIGS DIPLOMA

Pathway to becoming a Minimal Invasive Gynaecological Surgeon

GESEA Level 1

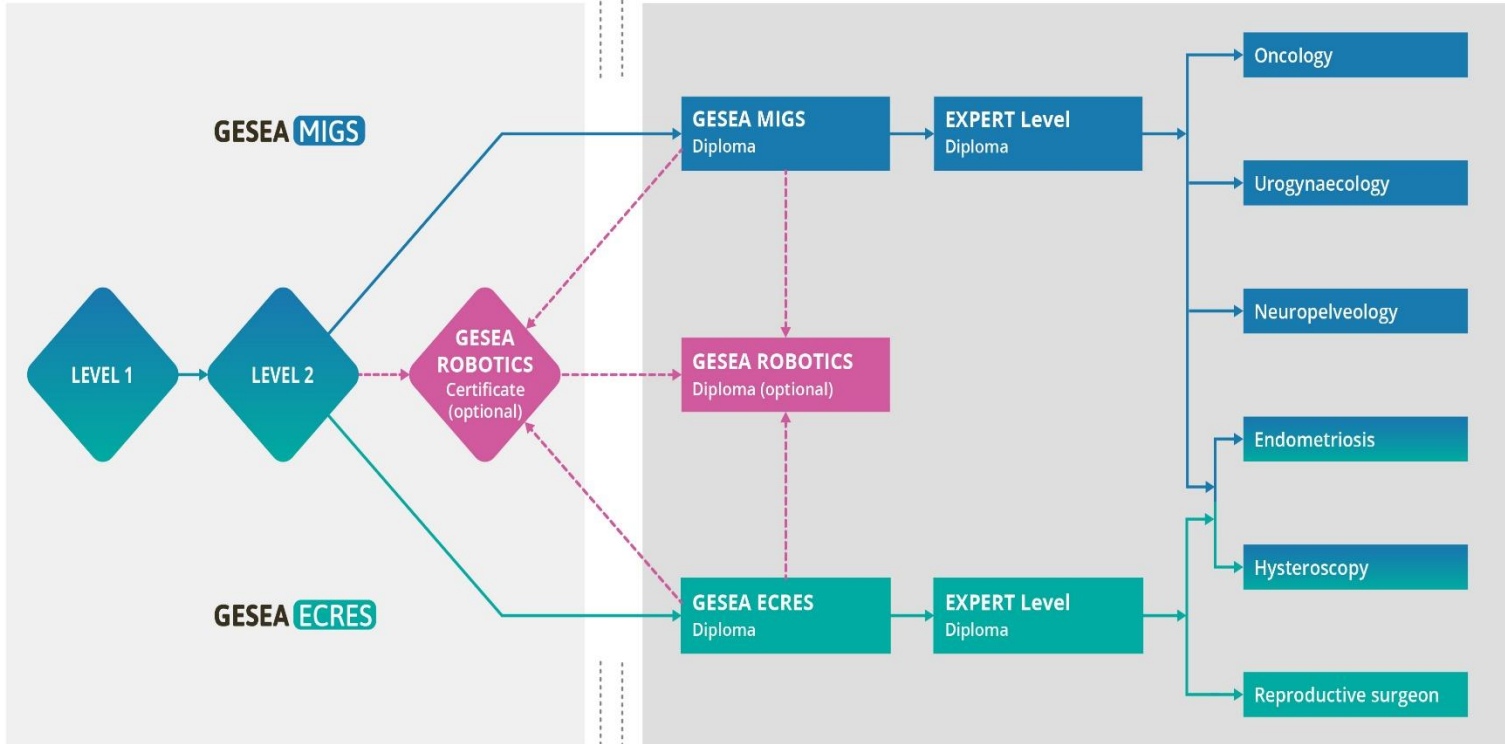
- + Open to all endoscopists and specifically aimed at residents
- + Starts with the GESEA Level 1 e-learning module
- + Incorporates practical psychomotor skill exercises for laparoscopy (LASTT1, SUTT1) and hysteroscopy (HYSTT1)
- + Exam consists of a theoretical and multiple practical tests
- + The GESEA Level 1 Certificate serves as a license to start training in the operating room

GESEA Level 2

- + Open to both gynaecologists and reproductive surgeons
- + Starts with the in-depth GESEA Level 2 e-learning module
- + Incorporates advanced practical psychomotor skill exercises for laparoscopy (LASTT2, SUTT2) and hysteroscopy (HYSTT2)
- + Exam consists of a theoretical and multiple practical tests
- + The GESEA Level 2 Certificate serves as a license for basic endoscopic procedures
- + Surgeons who have the necessary surgical competence can start the application for the GESEA Level 2 Diploma

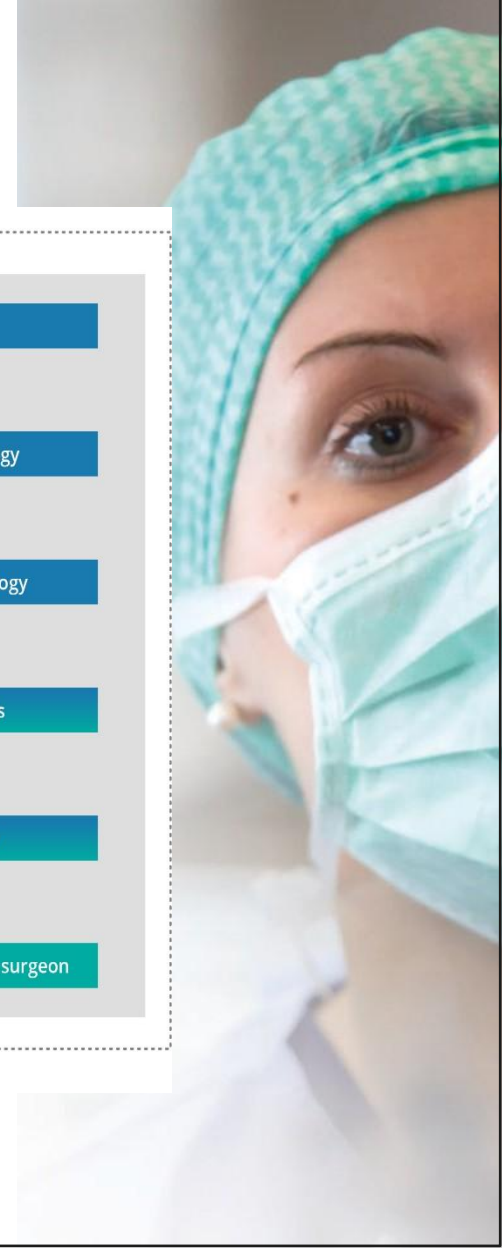
Psychomotor Skills
Assessment Certificate

Surgical Skills
Assessment Diploma



Psychomotor Skills
Assessment Certificate

Surgical Skills
Assessment Diploma



STANDARDS & CRITERIA

to become an accredited GESEA Training Centre in Gynaecological Endoscopy

Venue and Equipment

A dedicated dry skill lab room needs to be available with the following requirements:

- + Permanent presence of at least **two complete working stations**, one for laparoscopy and one for hysteroscopy.
- + Available working area of 10m² per working station.
- + Computer(s) with updated software and reliable high-speed internet connection.
- + Access to the **OSP for Accredited Centres**.

Staff

Each applicant centre must foresee to cover the following positions:

+ Director

The Director is the administrative head of the centre and is responsible for the implementation of the GESEA Programme.

+ Chief Instructor (Mentor)

The Chief Instructor is the manager of the training and testing sessions.

+ Instructors

The Instructors are the team of people who will support and assist the Chief Instructor during the GESEA standardised training and testing sessions.

+ Administrator

The appointed Administrator manages the data input on the OSP® and the follow-up of the sessions with the participants.

+ Support (Equipment Operator, not mandatory)

Can be non-clinical staff trained on how to use the GESEA Training Tools with the laparoscopy and hysteroscopy surgical equipment.

Activity and Experience

Applicant centres have to provide an activity and experience profile:

+ Activity on OSP

Applicant centres must have at least 50 individual LASTT®, HYSTT® and SUTT® test results on the OSP for Training Centres.

+ Mentorship

The Chief Instructor (Mentor) needs to have gone through the GESEA Programme and have acquired the Minimal Invasive Gynaecological Surgeon (MIGS) Level 2 Certificate. Furthermore, this person needs to have participated in a *Train the Trainer* course and assisted as a mentor in an official certification session.

Laparoscopy Workstation

Validated Equipment and Tools

+ STORZ

- Telepack + Camera + Lightcable
- Telescope 10mm Optic, 0°
- Telescope 10mm Optic, 30°
- 2 x Needle holders (left - right)
- Metzenbaum Scissors
- 2 x Trocar, 6mm
- 1 x Trocar, 11mm
- Kelly grasping forceps
- Matkowitz grasping forceps
- Szabo Trainer

+ ESGE Services

- LASTT model + rings + pins
- Foam base + pins
- Metal base + artificial suturing pad
- SUTT 1 and SUTT 2 Pads for training

Hysteroscopy Workstation

Validated Equipment and Tools

+ STORZ

- Telepack + Camera + Lightcable
- Telescope 2.9mm Optic, 30°
- Operative Sheath
- Outer Sheath
- Grasping Forceps
- Scissors

+ ESGE Services

- HYSTT models Exercise 1
- HYSTT models Exercise 2
- Academy Table Holder
- Long Female Genital Model
- HYSTT Pins
- Transparent target sheet

PROCESS

Centre Approval Process

Becoming a training centre using the GESEA Tools is easy. Acquire the tools, follow the tutorials and start your training activity. However, not every training centre can and should become an accredited centre.

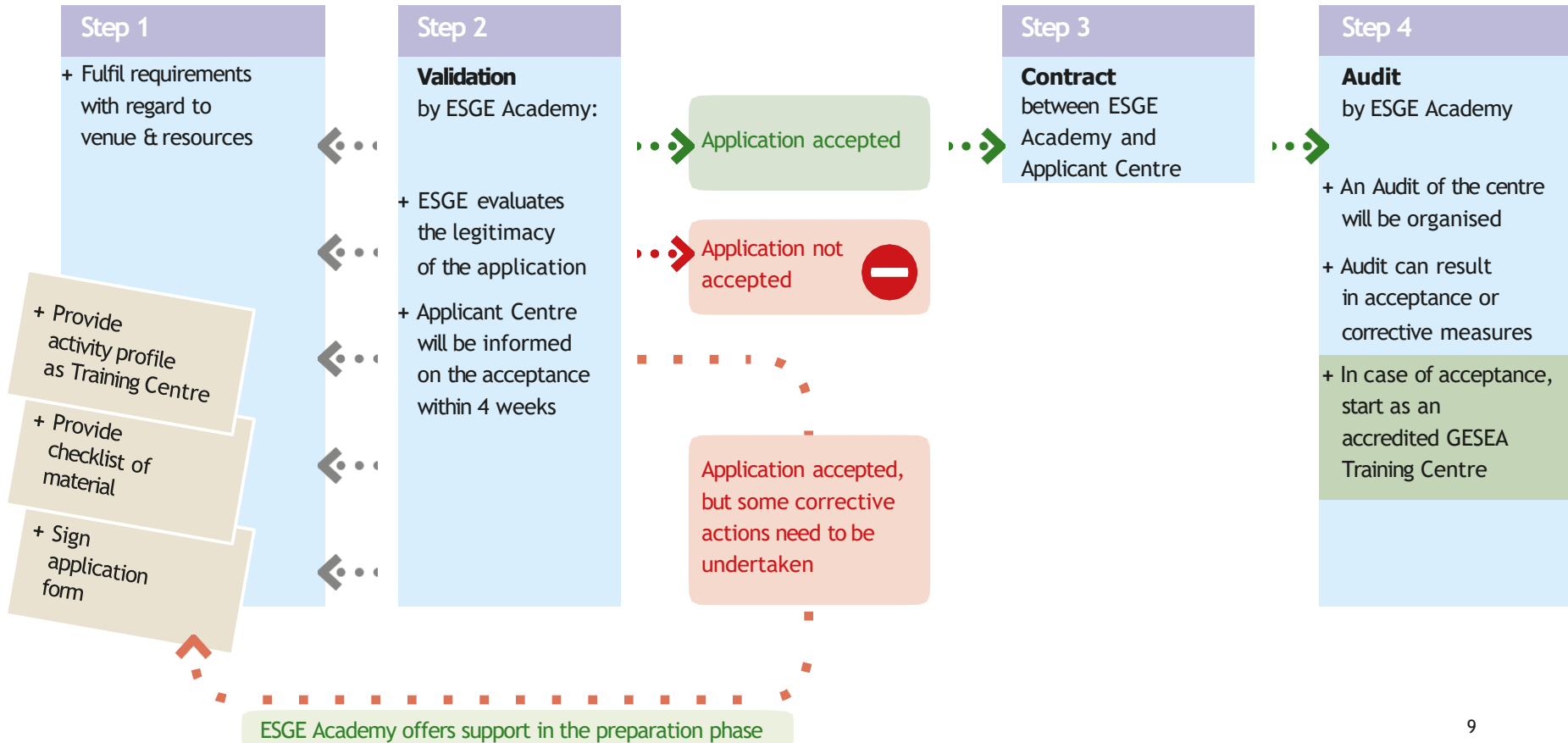
The application to become an accredited GESEA Training Centre is done through the ESGE Academy Office. The ESGE Academy evaluates the legitimacy of the application and informs the applicant centre on the potential acceptance.

In case of acceptance, a collaboration agreement between ESGE Academy and the applicant centre is stipulated. After the successful signing of the agreement, an audit is scheduled and performed by ESGE Academy where the venue, infrastructure, equipment and staff are fully evaluated. Upon a positive outcome, the applicant centre can start as an accredited GESEA Training Centre.

Become a
GESEA
Training Centre

- + Get one or more training tools as used in the GESEA programme and acquire access to OSP for Training Centres
- + Follow the tutorials to get familiar with the GESEA exercises and the training sessions

Become an accredited GESEA Training Centre



TOOLS

as used in the GESEA Educational Programme



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, 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

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



SUTT⁺1

First Name: _____ Family Name: _____
Winners ID: _____ Date: _____ Centre: _____

Result	Time	max 20 min
Exercise 1:	Time	0 1 2 3 4 5 6 7 8 9 10
Correct stitch	0 1 2 3 4 5	
Knot	0 2	TRAUMA 0 1 2



SUTT⁺2

NAME: _____ PARTNER: _____

Exercise 1: Cross suture
Exercise 2: stitch with right hand + Knot
Exercise 3: stitch with left hand + Knot
Exercise 4: stitch + tissue approximation + knot

Result	Time	Mistakes
Exercise 1:	Time	0 1 2 3 4 5 6 7 8
Exercise 2:	Time	In 0 1 Out 0 1
Exercise 3:	Time	In 0 1 Out 0 1
Exercise 4:	Time	In 0 1 Out 0 1



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



GESEA Training Tools List (1/3)



LASTT Training Package
 €650,00 (excl. VAT)
 SKU: LAP102



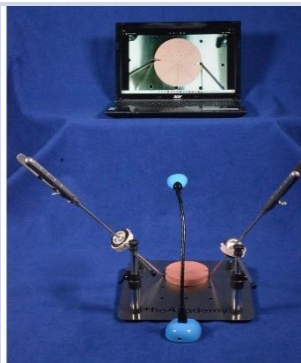
SUTT Training Package
 €350,00 (excl. VAT)
 SKU: SUT102



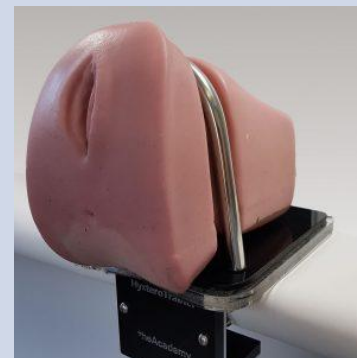
HYSTT Training Package
 €1350,00 (excl. VAT)
 SKU: HYS103



OSP for Training Centres
 €650,00 (excl. VAT)
 SKU: OSP101



GESEA E+KNOT
 €735,00 (excl. VAT)
 SKU: SUT421



Academy Table Holder and Model – Long
 €600,00 (excl. VAT)
 SKU: THV101

GESEA Training Tools List (2/3)



Uterus model hole in the fundus or side wall
€75,00 (excl. VAT)
SKU: HYS522/HYS523



Septate uterus with adenomyotic cyst
€90,00 (excl. VAT)
SKU: HYS524



Uterine Polyps (8X)
€39,00 (excl. VAT)
SKU: HYS852



Artificial Tissue Suturing Pad
€60,00 (excl. VAT)
SKU: SUT503



HYSTT Replacement Models Set
- Exercise 1 (sticker)
€300,00 (excl. VAT)
SKU: HYS952

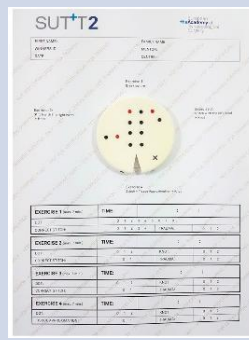


HYSTT Replacement Models Set
- Exercise 2 (pins)
€300,00 (excl. VAT)
SKU: HYS952

GESEA Training Tools List (3/3)



SUTT 1 for training (30x)
€200,00 (excl. VAT)
SKU: SUT301



SUTT 2 for training (30x)
€200,00 (excl. VAT)
SKU: SUT311



SUTT 1 for certification (20x)
€200,00 (excl. VAT)
SKU: SUT321



SUTT 2 for certification (20x)
€250,00 (excl. VAT)
SKU: SUT331



LASTT Accessory Kit
€95,00 (excl. VAT)
SKU: LAP301



HYSTT Replacement Pins
€70,00 (excl. VAT)
SKU: HYS801

ESGE

This brochure explains the principles of the GESEA Educational Programme and defines the standards and criteria necessary to become an accredited GESEA Training Centre.

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

Diestsevest 43/0001
B-3000 Leuven
Belgium

Tel.: +32 (0) 16 629 629
Fax: +32 (0) 16 629 639
centraloffice@esge.org

www.esge.org