



Becoming an accredited  
**GESEA Diploma Centre**  
in Gynaecological Endoscopy



**ESGE**

European  
**+theAcademy** of  
Gynaecological  
Surgery



The European Society of Gynaecological Endoscopy (ESGE) has, in collaboration with the European Academy of Gynaecological Surgery (the Academy), 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 like:

- + Excessive long learning curves in the conventional apprentice-tutor model and limited amount 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 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 diploma 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.

European  
Diploma  
Programme

GESEA

# GESEA MIGS DIPLOMA

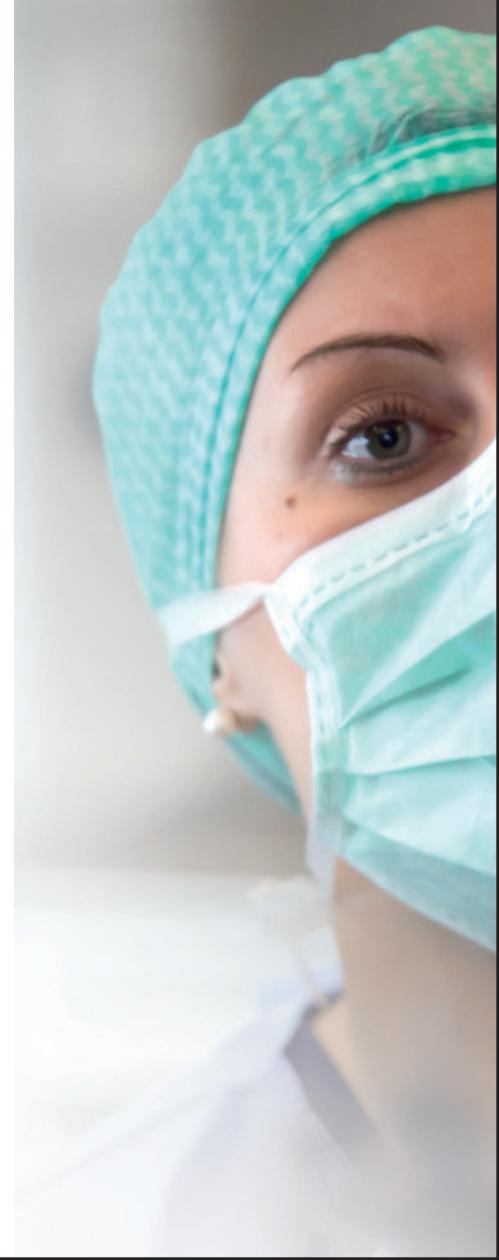
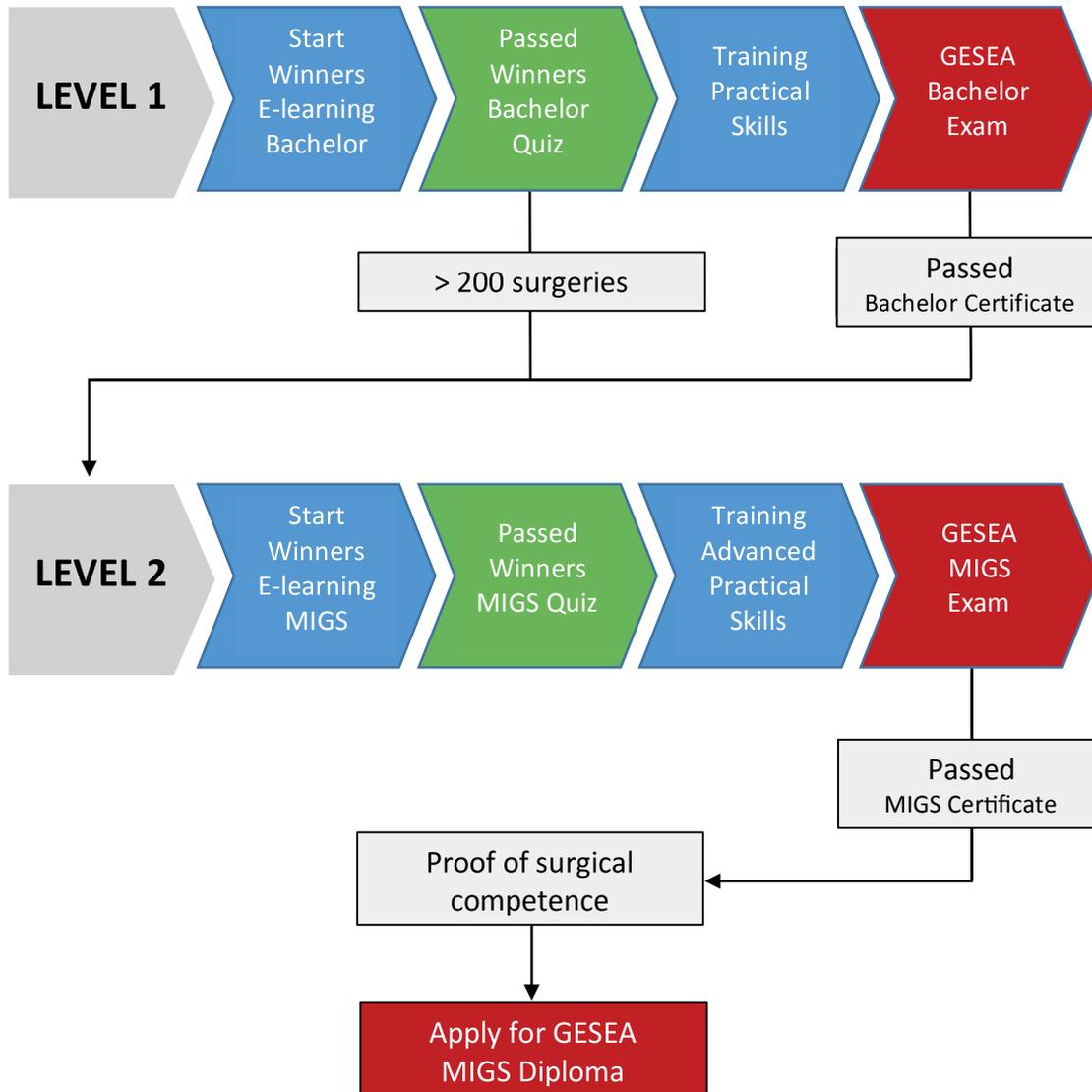
## Pathway to becoming a Minimal Invasive Gynaecological Surgeon

### **Bachelor – Level 1**

- + Open to all endoscopists and specifically aimed at residents
- + Starts with the Bachelor tutorials on the Winners E-Learning Platform
- + Incorporates practical psychomotor skill exercises for laparoscopy (LASTT, SUTT1) and hysteroscopy (HYSTT1)
- + Exam consists of a theoretical and multiple practical tests
- + The Bachelor Certificate serves as a license to start training in the operating room

### **Minimal Invasive Gynaecological Surgeon – Level 2**

- + Open to both gynaecologists and reproductive surgeons
- + Starts with the in-depth tutorials on the Winners E-Learning Platform
- + Incorporates advanced practical psychomotor skill exercises for laparoscopy (LASTT, SUTT2) and hysteroscopy (HYSTT2)
- + Exam consists of a theoretical and multiple practical tests
- + The MIGS Certificate serves as a license for basic endoscopic procedures
- + Surgeons who provide proof of the necessary surgical competence can apply for the MIGS Diploma



# STANDARDS & CRITERIA

## to become an accredited GESEA Diploma 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 10m<sup>2</sup> per working station.
- + Computer(s) with updated software and reliable high-speed internet connection.
- + Access to the **OSP® for Diploma 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 Mentor**  
The Chief Mentor is the manager of the training and certification sessions.
- + **Mentors**  
The Mentors are the team of people that will support the Chief Mentor during training and certification sessions.
- + **Administrator**  
The appointed Administrator manages the data input on the OSP® and the follow-up of the sessions with the participants.

### 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® test results on the OSP® for Training Centres.
- + **Mentorship**  
The Chief Mentor needs to have gone through the GESEA Programme and have acquired the Minimal Invasive Gynaecological Surgeon (MIGS) Certificate.  
Furthermore, this person needs to have participated in a *Train the Trainer* course and assisted as a mentor in an official certification session of the Academy.

### **Laparoscopy Workstation Validated Equipment and Tools (\*)**

- + Video Endoscopy Tower with LCD Display
- + 0° and 30°, 10mm Optic
- + Dissection Forceps
- + Grasping Forceps
- + Two Laparoscopic Needle Holders
- + Laparoscopic Scissors
- + Trocar, 10mm
- + Pelvic Trainer
- + LASTT® Training Package
- + SUTT® Training Package
- + SUTT® Pads for Certification

### **Hysteroscopy Workstation Validated Equipment and Tools (\*)**

- + Video Endoscopy Tower with LCD Display
- + 30°, 2.9mm Optic
- + Diagnostic and Operative  
Hysteroscope Sheath
- + Hysteroscopic Grasping Forceps,  
5 French
- + HYSTT® Training Package

**(\*) List of GESEA validated equipment available upon request at [info@europeanacademy.org](mailto:info@europeanacademy.org)**

# 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 a diploma centre.

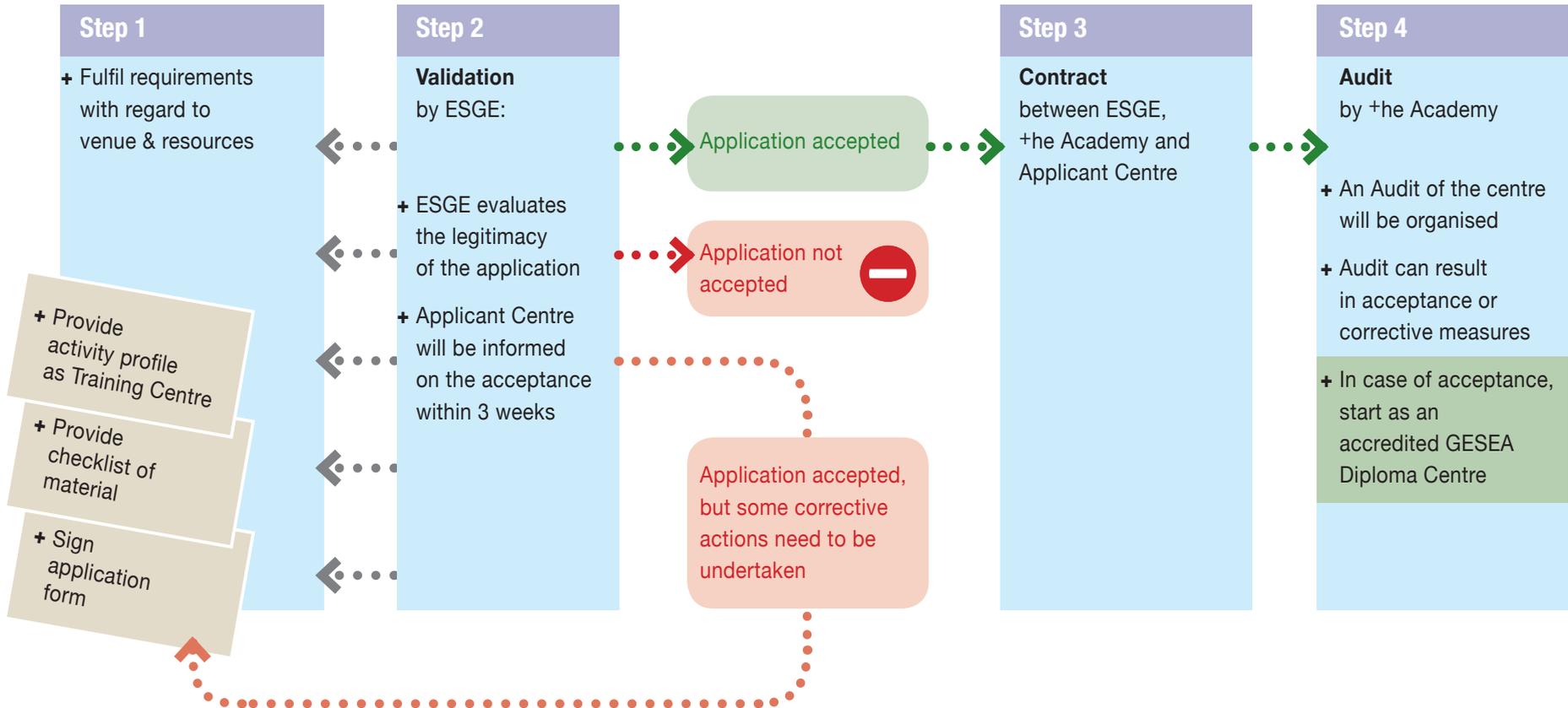
The application to become an accredited GESEA Diploma Centre is done through the ESGE Central Office. The ESGE evaluates the legitimacy of the application and informs the applicant centre on the potential acceptance.

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



# TOOLS

as used in the GESEA 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. 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**

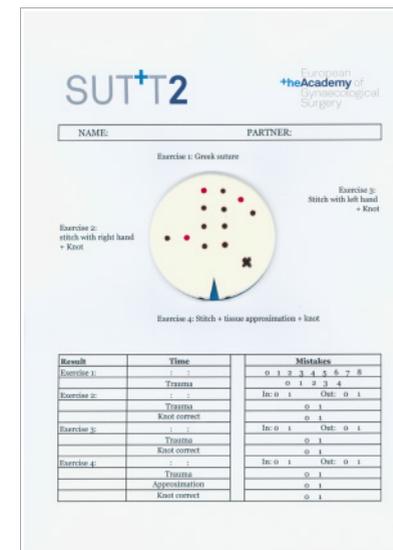
# SUTT®

## 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



# 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
- Academy Stopwatch



# OSP Online Scoring Platform

## The Universal Platform for GESEA Certification

The Online Scoring Platform is your central hub to manage LASTT®, SUTT® and HYSTT® training sessions as well as certification sessions.

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

## OSP for Diploma Centres

SKU **OSP201**

**GESEA**

- **One-year license for the Online Scoring Platform for Diploma Centres**



Example Bachelor Certificate

# ESGE

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

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

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