

## Laparoscopic Skills Workshop at African Endoscopic Training Academy

### **Course Description and Objectives**

To ensure patient's safety in laparoscopic surgery, it is clear that future laparoscopic surgeons should possess objective measurable theoretical knowledge and practical skills, prior to undertaking any procedure, even under supervision, in the OR.

As part of its plan to standardise strategies and regulations for training in laparoscopy throughout Europe, the European Academy of Gynaecological Surgery (EAGS) in collaboration with ESGE and EBCOG has conducted extensive scientific research resulting in a validated programme of exercises for acquiring and testing laparoscopic psychomotor skills.

LASTT<sup>™</sup> is a validated assessment and certification method which measures and evaluates psychomotor skills in camera navigation, hand-eye and bi-manual coordination.

All exercises are executed in dry-lab set-up, with participants working together in pairs, and under the strict procedural guidance of instructors.

The course is open to all delegates interested in laparoscopic surgery, experience level is indifferent.

### **At the conclusion of the course the clinician will**

- be assessed on his/her psychomotor skills level
- be ranked by comparison with benchmark performance data of representative experienced laparoscopic surgeons receiving a red, green or yellow colour code at each test.
- receive a final report of competence in laparoscopic skills.
- Will have received extensive information off all modalities of the GESEA programme

## Course Programme

### ***Laparoscopic psychomotor skill Assessment***

Participants are invited to test the basic laparoscopic skills through the LASTT method developed by +the Academy. For the first time a scientific validated method has been defined where, independent of the medical skills, the required psychomotor skills for Laparoscopy are being assessed. Participants will go through an assessment of three exercises, performed in a pelvic trainer box and using the appropriate endoscopic equipment and instruments.

The individual scoring data will be introduced by an Academy associate into the on-line Academy Scoring Platform and the individual reports will be printed on location. The reports are part of the final reporting package, but will also be available for each individual participant.

### General flow

Participants (max 60) are divided in 3 groups (A, B, C) of 20. Each group will attend three different sessions: Theoretical session – Hands-on session LASTT - Hands-on session suturing on e-knot

	8:30 – 10:30	11:00 – 13:00	14:00 – 16:00
Lecture session	A	B	C
LASTT	C	A	B
e-knot session	B	C	A

### **1.Theoretical session (120 min)**

During this lecture session participants will be informed on the training possibilities in South-Africa in general and in Cape Town in specific. Furthermore they will receive an overview of the ESGE GESEA training programme, including the laparoscopic and hysteroscopic training models of +he Academy.

- Training facilities in The Red Cross Hospital  
*A. Numanoglu*
- Endoscopic training in South-Africa  
*I. Siebert*
- Gynaecological Endoscopic Surgical Education and Assessment (GESEA)Programme  
*Ac. Staff 1*
- Ergonomy and basic laparoscopic suturing  
*Ac. Staff 2*
- Modern hysteroscopy and training  
*Ac. Staff 1*
- The LAparoscopic Skills Training and Testing (LASTT) method  
*Ac. Staff 2*

## 2. Hands-on session LASTT (120 min)

The session starts with an introduction of the method by the Mentor from +the Academy. Participants are invited to go to the workstations in pairs to execute the runs of the first exercise. The workstations are positioned along the walls of the room with a minimum of 1 meter in between.

When the first exercise run is terminated, participants return to the presentation area for the instructive session on the second exercise. And so on, until all three exercises have been completed.

Introduction:	15 minutes
Instruction exercise 1:	5 minutes
Session Ex 1:	30 minutes
Instruction exercise 2:	5 minutes
Session Ex 2:	30 minutes
Instruction exercise 3:	5 minutes
Session Ex 3:	30 minutes

## 3. Hands-on session suturing on e-knot (120 min)

One of the Instructors will give a lecture in needle handling and intra-corporeal knot tying (30 min). The lecture is followed by 90 min. of free training on the e-knot

### Registration procedure

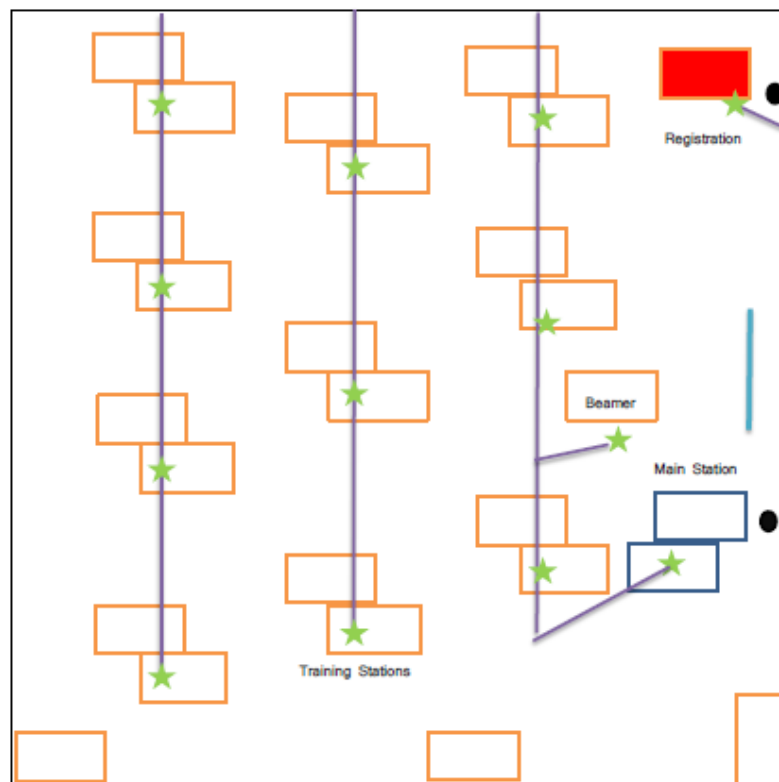
Participants register with the Local Organizers


Each participant agrees to provide his or her personal email address, Name and Surname to +the Academy. The Academy will invite the participant by e-mail to register on **the Academy Scoring Platform** to create his/her profile 2 weeks before the session. The profile data will be checked during the registration time. Internet access is needed at the course location.

## PRACTICAL ASSESSMENT WORKSHOP


### General:


Room to be darkened for optimum endoscopic view. Technical requirements see under. For 10 workstations: ideally 12 meters x 10 meters



 Table ± 120 cm x 60 cm: 27 needed.

 Internet connections: 2 needed.

 Power cables.

 Power outlet: 13 needed.

Other requirements: 1 beamer + projection screen + 4 chairs.

### **Practical lab requirements (provided by the Academy)**

10 working stations, each with:

- 1 STORZ Telepack with 0° and 30° optic (by STORZ GmbH)
- STORZ instruments: Kelly and Matkowitz forceps (by STORZ GmbH)
- Szabo pelvic trainer (by STORZ GmbH)
- LASTT Training model, equipment and accessories (by +he Academy)
- 1 room of minimal 100 m<sup>2</sup>
- 10 tables : 60 cm x 120 cm (minimum)
- 10 white table cloths which should be placed over the Storz case under the monitor
- 20 chairs, if central theoretical presentation area is possible.
- 1 table and 2 chairs for administration
- Possibility to darken the room
- Large presentation screen, or white wall for projection
- Beamer for PowerPoint presentation (PC from Academy instructor)
- Electrical power requirements:
  - 1 outlet per workstation position (Telepack). A maximum of three workstations are connectable to a single circuit.
  - 3 outlets for presentation (PC + beamer+printer)
  - Printer (colour) for certification printing
  - Internet connection
- Storage corner for empty boxes and cases of the 10 workstations