

## HOT laparoscopy course Programme

### ESU/ESUT Hands-on training Laparoscopy

#### European Training in Basic Laparoscopic Urological Skills (E-BLUS)

##### Course Format:

Introduction by the course coordinator (15 minutes)

Hands-on-training at different EBLUS models (75 minutes)

Questions and answers, tips and tricks (30 minutes)

##### Aims and Objectives

Laparoscopic procedures are continuously evolving in urology based on the increasing expertise of urologic surgeons. This includes ablative procedures, such as radical nephrectomy as well as reconstructive techniques, such as pyeloplasty. Since more centers and urologists are interested in minimally invasive surgery and offer advanced *laparoscopic* and robot-assisted procedures the number of laparoscopic cases is increasing.

In this context, laparoscopic training programs have become more important than before. Basic laparoscopy training represents a milestone in learning laparoscopy. Hands-on training courses at the pelvi-trainer are one of the main steps of basic laparoscopic training.

ESU/ESUT training research board has developed and validated a comprehensive program of education and assessment of the basic fundamentals of laparoscopic surgery namely **European Training in Basic Laparoscopic Urological Skills (E-BLUS)**. This basic laparoscopic training program is including a theoretical online part besides the four steps of practical box training. E-BLUS is offered to urologists and surgical residents who want to master the basic skills in laparoscopy required for operation theatre. The attendees can also make a theoretical and practical E-BLUS exam which will be certified by EAU and get an E-BLUS certificate beside the certificate of attendance. Even more, experienced laparoscopists may need to practice certain exercises to be able to demonstrate their skills level in the practical exam.

European School of Urology (ESU) and the EAU Section of Uro-Technology (ESUT) aim to share knowledge and expertise and harmonize the European standards of laparoscopic training at the PAUSA 2022 meeting in Tunis.

##### Workshop:

With surgical training, the goal is to produce a surgeon who is highly competent and confident in performing laparoscopic procedures; and thereby mitigate the risks of complications. Because of the specific risks, visuo-spatial relationships, and the steep learning curve that is unique to laparoscopy, hands-on training on a box or visual simulator is the recommended way to start learning laparoscopic skills.

##### The E-BLUS program includes:

- Hands-on training (HOT) sessions of different levels carried out under the guidance of experienced tutors
- A set of training-box exercises developed and validated by EUREP training group to train basic skills needed in urological laparoscopy. These basic skills exercises can be tested in an exam (E-BLUS exam)
- An online theoretical course through EAU website.
- The HOT sessions are designed to cater to the specific needs of the participants and represent a unique opportunity to train with experienced national and international experts in laparoscopy.

The set of exercises offered in this module for box-training addresses bimanual dexterity, depth perception, suturing, clipping, and cutting skills. Clinical application is found in such procedures as partial nephrectomy, total nephrectomy, pyeloplasty, and radical prostatectomy.

The set includes the following exercises:

- Peg transfer
- Cutting a circle
- Single knot tying
- Clip-and-cut
- Needle guidance

For each exercise a time limit is defined, as well as criteria for a successful completion of the exercise.

The trainees who want to take the practical exam have to accomplish first the theoretical EBLUS exam in internet (<http://www.uroweb.org/education/european-training-in-basic-laparoscopic-urological-skills-e-blus-exam/>)