



THE LEARNING RESOURCE CENTER
مركز التعليم المتطور



CAIRO UNIVERSITY, FACULTY OF MEDICINE

COURSE ON

**Minimally Invasive Operating Techniques in
Urology**

Partnership with

EUROPEAN SURGICAL INSTITUTE (ESI)

HAMBURG, GERMANY



ETHICON ENDOSURGERY, J&J

KARL STORZ GMBH, GERMANY



Curriculum 9



❖ **Venue:** Main campus. LRC.

❖ **Structure:** 2 days course with a maximum of -12 participants

❖ **Purpose of the program and course**

The course is designed to provide opportunities to the participant to enhance his/her current surgical technical skills in the field of **ENDOSCOPIC SURGERY**.

1. The program will help to enhance the contribution of the participants to the improvement of medical services in their country's health sector.

2. **Candidates criteria:** Participants with no or minimal experience in Laparoscopic Surgery (assisted in no more than 10 procedures)

3. **Objectives:**

➤ To familiarize participants with the principles and practice of laparoscopic surgery. **By the end of the course, participants should gain basic knowledge and skills** in the following topics:

- Theoretical basis of laparoscopy
- Hardware and instruments used in laparoscopy
- Indications and applications of laparoscopic procedures
- Development of hand eye coordination
- Key steps and surgical techniques in laparoscopic surgery

➤ To motivate participants towards laparoscopic practice

➤ To orient participants with the safe practice of laparoscopic surgery

4. **Methodology:**

❖ **Interactive Lectures** highlighting all the topics



- ❖ **Discussions** to investigate and address the participants concerns and queries
- ❖ **Hands-on** training on pelvic-trainers, computer simulation and biological tissues, animal lab to develop hand-eye coordination and practice essential operative skills

Course Schedule

Minimal Invasive Operating Techniques in Urology

Day 1

08:30-09:30

Conference Room

Welcome and Introduction to the Learning resource centre

09:30

Lectures on basic laparoscopy

9:30 – 10:30

- History

10.30 – 11.00

- Instruments +Sterilization

11:00 – 11:30

- Indication + Complication

11:30 – 12:00

- Pots + Ergonomics

12:00 –12:30

Coffee Break

12:30–16 :00

Dry Lab

Equipment presentation

(Storz)

- Practical Exercises on Open and Closed Pelvitrainer

16:00 End of First Day

Minimal Invasive Operating Techniques in Urology

Day 2

9:00

Conference Room

9:30 – 01:30

- Wet Lab



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12:00 – 12:30

12:30 – 4:00

- Harmonic demonstration
- Practical Exercise on complex organ models
- Coffee Break
- Practical Exercise on complex organ models
- L.N. Biopsy
- Mobilization of the ureter
- Mobilization of the kidney
- **Hand out of Certificates**

(J&J)

