



Cairo University, Faculty of Medicine

Course on

Advanced

**Minimally Invasive Operating
Techniques in Colorectal Surgery**

Endorsed By

European Association for Endoscopic surgery

And other Interventional Techniques



E·A·E·S

European Association for Endoscopic Surgery
and other Interventional Techniques

Curriculum 4



Curriculum: Minimally Invasive Operating Techniques in **Colorectal** Surgery

❖ **Venue:** Main campus. LRC, Surgical OR Theatre.

❖ **Structure:** 2 days course with a maximum of -16 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 experience in basic Laparoscopic Surgery

3. **Objectives:**

- To familiarize participants with the principles and practice of laparoscopic Colorectal surgery.
- To motivate participants towards colorectal 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, complex animal model to develop hand-eye coordination and practice essential operative skills



Day 1

09:00 – 10:30 a.m.

Conference Room

Welcome and Introduction

Introduction and Objectives

- Theoretical Principles of Colorectal Surgery
- Type of Laparoscopic approach.
- Patient preparation, positioning, and trocar placement
- Lap. Techniques for benign colonic disease.
- Lap Surgical approach for malignant colon and rectal disease .
- complications

10:30 – 10:45 a.m.

Coffee Break

10:45 – 12:00 a.m.

Dry Lab

Introduction of Instruments and Application

Suturing techniques

- Introduction of needle
- Grasping and orientating needle
- Suturing technique
- Extracorporeal knot tying
- Intracorporeal knot tyings
- Continuous suturing
- **Stapling Techniques**

Practical exercise on open and closed pelvitrainer

12:00 – 01:00 p.m.

LUNCH

01:00 – 04:30 p.m.

Dry Lab

Practical Exercises on closed pelvitrainer

Stapling Techniques

Suturing and Knotting Techniques (**conti**)

04:30 p.m.

End of Day 1



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Day 2

09:00 a.m.-09:45 a.m Ergonomics

09:45 a.m – 12:00
a.m.

Practical Exercises on animal Model- part 1

- Colorectal Resection
- Rectopexy

12:00 – 01:00 p.m.

LUNCH

01:00 – 04:00 p.m.

Dry Lab 1

Practical Exercises on animal Model - Part II

- Suturing of Bowel lesion
- Entero-enterostomy