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

**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
Curriculum: Minimally Invasive Operating Techniques in Colorectal Surgery

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