

## COURSE OBJECTIVES

- To provide basic knowledge required for safe use of laparoscopic surgery
- To describe all technical (instruments, trocars, energy sources...) and physiology principles of laparoscopic surgery
- To critically review the most common laparoscopic surgical procedures
- To learn or improve laparoscopic skills by repeatedly practicing suturing, knot tying and performing surgical procedures during hands-on sessions

## EDUCATIONAL METHODS

- Interactive theoretical and video sessions between Faculty and course participants
- Live and pre-recorded operative demonstrations
- Objective assessment of skills and hands-on training on ex-vivo and in-vivo tissues

## GENERAL SURGERY

### MONDAY

#### 8-45 AM

Registration and welcoming of participants

#### 9-00 AM

##### EQUIPMENT

- Operating theatre / choice of equipment
- The laparoscopic cart: insufflator - light source - camera
- Conventional and new laparoscopic instrumentation
- Energy sources: electro-surgery - ultrasonic dissection - thermofusion
- "Intelligent" OP room

##### BASIC PRINCIPLES OF LAPAROSCOPIC SURGERY

- Operating room set-up
- Pneumoperitoneum
- Trocars - Exposure
- Sutures and Knots
- Anastomotic devices

##### LAPAROSCOPY FOR ABDOMINAL EMERGENCIES

#### 1-00 PM

Lunch at the Institute

#### 2-00 PM

Option 1:

##### TRAINING ON LIVE TISSUE (MINI-PIGS)

- Basic principles: insufflation - positioning of trocars - open laparoscopy - exposure - dissection - stapling - stitching and Suturing
- Small bowel resection and anastomoses (linear stapler - intracorporeal suture - endoloop)
- Gastrojejunostomy
- Cholecystectomy

Option 2:

##### LAPAROSCOPIC TRAINING SUTURE

- In auditorium: basics of laparoscopic suturing and demo
- In experimental lab:
  - evaluation of skills
  - training on dry boxes and ex-vivo tissues

#### 6-30 PM

End of session  
Evening free

You can register online for IRCAD courses at

[WWW.IRCAD.FR](http://WWW.IRCAD.FR)

Or use this code for a flash registration for this course



## TUESDAY

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### 7-45 AM

Evaluation of the previous day

### 8-00 AM

#### LIVE SURGERY

#### TAPP & TEP INGUINAL HERNIA REPAIR

#### LAPAROSCOPIC HERNIA REPAIR

- Rationale of the laparoscopic approach and open surgical techniques
- Ventral and incisional hernia: current techniques

#### LAPAROSCOPIC BILIARY SURGERY

- Cholecystectomy
- CBD stone: principles of management
- Acute cholecystitis
- Complications and prevention of bile duct injuries

### 1-00 PM

Lunch at the Institute

### 2-00 PM

#### TRAINING ON LIVE TISSUE (MINI-PIGS)

- TAPP Inguinal hernia repair
- Dissection of the common bile duct
- Choledochotomy
- Roux-en-Y choledochojejunostomy
- Splenectomy

### 6-30 PM

End of session

Evening free

## WEDNESDAY

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### 7-45 AM

Evaluation of the previous day

### 8-00 AM

#### LIVE SURGERY (DEPENDING ON CASES)

- Antireflux surgery
- Ventral and incisional hernia
- Colectomy for benign and malignant diseases
- TME for rectal cancer
- Splenectomy
- Bariatric surgery: sleeve gastrectomy, gastric bypass
- Robotic surgery

### 1-00 PM

Lunch at the Institute

### 2-00 PM

#### TRAINING ON LIVE TISSUE (MINI-PIGS)

- Stapled gastrojejunostomy
- Roux-en-Y choledochojejunostomy
- Hiataloplasty and fundoplication
- Dissection of the hepatic pedicle
- Robotic training

### 6-30 PM

End of session

Evening free

## GENERAL SURGERY

### THURSDAY

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#### 7-45 AM

Evaluation of the previous day

#### 8-00 AM

#### LIVE SURGERY

#### FOREGUT SURGERY

#### ANTIREFLUX SURGERY

- Antireflux procedures for GERD
- Management of complications
- Paraesophageal hernia repair

#### GASTRIC NEOPLASIA

- Gastrectomy for cancer
- Submucosal tumors

#### ACHALASIA

- Laparoscopic Heller myotomy
- Per Oral Endoscopic Myotomy (POEM)

#### COLORECTAL SURGERY

- Surgical techniques, tips and tricks in left and right colectomy for benign and malignant diseases
- Total Mesorectal Excision (TME) in rectal cancer
- Transanal TME
- Transanal Endoscopic Microsurgery (TEM)

#### 1-00 PM

Lunch at the Institute

#### 2-00 PM

#### TRAINING ON LIVE TISSUE (MINI-PIGS)

- University Diploma Practical Evaluation
- Free choice of previously performed procedures
- Robotic training

#### 6-30 PM

End of session

#### 8-00 PM

Dinner in honor of participants

### FRIDAY

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#### 7-45 AM

#### UNIVERSITY DIPLOMA PROFICIENCY TEST

For surgeons who have applied for the University Diploma Multiple Choice questionnaire

#### 8-45 AM

Evaluation of the previous day

#### 9-00 AM

#### FUTURE OF MINIMALLY INVASIVE SURGERY

#### ENDOCRINE SURGERY

- Thyroidectomy
- Parathyroidectomy
- Adrenalectomy

#### BARIATRIC AND METABOLIC SURGERY

- Tailored approach: gastric banding, sleeve gastrectomy and gastric bypass
- Management of common and difficult complications
- Metabolic surgery

#### 1-30 PM

Lunch at the Institute

#### 2-30 PM

#### FLUORESCENCE IMAGE-GUIDED SURGERY: THE AUGMENTED EYE

#### SPLENIC SURGERY

- Indications
- Techniques and technologies in total and partial splenectomy

#### LIVER SURGERY

- Indications and surgical techniques in benign and malignant liver diseases

#### PANCREATIC SURGERY

- Indications and surgical techniques in benign and malignant pancreatic diseases

#### COMPLICATIONS - CLINICAL CASES

- Interactive session

#### 4-30 PM

End of course

Delivery of certificates of attendance and diplomas to successful candidates

*This program may be subject to modifications.*