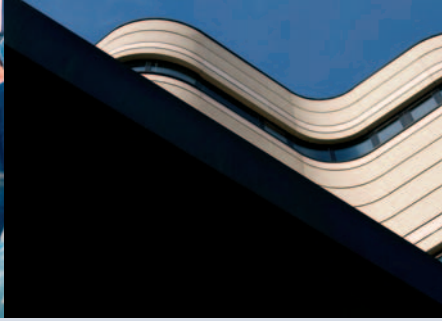

# Friday

## Morning

**7.30 am**
Shuttle-bus Hotel – IRCAD/EITS

**8.00 am**
Welcome to participants

### LECTURES

**For Option A and Option B**

The Challenges of NOTES™: from technical developement to training and education

**KEY CHALLENGES AND ONGOING EXPERIMENTAL APPLICATIONS**

- How to get access to the peritoneal cavity? Which orifice? Single or combined access? For which procedure?
  How to close the access site?
  With which physiological consequences?
  - Transgastric access
  - Transvaginal access
  - Transvaginal retroperitoneal access
  - Transrectal, transcolonic access
  - Transesophageal accesses
  - Combined accesses
- Ongoing Experimental Applications
  - Transrectal and Transgastric colonic resections
  - Transvaginal retroperitoneal adrenalectomy – nephrectomy – pancreatectomy – lymphadenectomy
  - NOTES™ in the mediastinum: Heller myotomy, esophageal sentinel node mapping
  - Endoscopic submucosal resection combined with transluminal sentinel node mapping: stomach, colon

**10.15 am**
Break


**You can register online for EITS courses at**
**www.eits.fr**

### COURSE OBJECTIVES

- To become familiar with flexible endoscopy
- To become familiar with transluminal surgery
- To understand the rationale and challenges of endoscopic transluminal surgery
- To discover the latest and future technological developments
- To provide hands-on sessions to learn endoscopic transluminal surgery through practice on live tissue under experts' tutorials
- To promote research and define guidelines



**10.30 am**

## LIVE OPERATIVE DEMONSTRATIONS FROM THE OPERATING ROOM AND THE LABORATORY

**For Option A and Option B**

**TRANSGASTRIC ACCESS**
- Different techniques of gastrotomy
- Cholecystectomy
- Different techniques of closure

**TRANSESOPHAGEAL ACCESS**
- Mediastinoscopy
- Pericardial window
- Heller myotomy

**TRANSVAGINAL ACCESS**
- Intraperitoneal approach
  - Cholecystectomy
  - Sleeve gastrectomy
- Retroperitoneal approach
  - Nephrectomy
  - Lymphadenectomy
  - Adrenalectomy
  - Pancreatectomy

**COMBINED ACCESSES**
- Transrectal and transgastric sigmoidectomy

**1.00 pm**
**Lunch at the Institute**

# Afternoon

**2.00 pm**

## HANDS-ON TRAINING ON LIVE TISSUE

**Option B only (Option A: afternoon free)**

- Flexible endoscope: basic principles
- Intubating the esophagus and understanding the endoluminal anatomy and landmarks
- Gastrotomy using a needle knife – sphincterotome – balloon dilation
- Peritoneoscopy – spatial orientation
- Experimental model of appendectomy: fallopian tubes dissection and section
- Liver biopsy
- Transgastric cholecystectomy
- Transgastric sigmoid mobilization

**6.00 pm**
**End of the session**
Shuttle-bus IRCAD/EITS – Hotel

**8.00 pm**
Shuttle-bus Hotel – Restaurant

**8.30 pm**
Dinner at a typical Alsatian Restaurant

**11.00 pm**
Shuttle-bus Restaurant – Hotel

# NOTES™

## Natural Orifice Transluminal Endoscopic Surgery

Advanced courses

**Flexible Endoscopic Surgery**
**Training on live tissue**

# Saturday

## Morning

**8.00 am**
Shuttle-bus Hotel – IRCAD/EITS

**8.30 am**
### HANDS-ON TRAINING ON LIVE TISSUE

**Option B only (Option A: morning free)**

Free choice of NOTES™ procedures to be performed under expert's tutorial:

**TRANSGASTRIC ACCESS**
- Gastrotomy with needle knife – sphincterotome – balloon dilation
- Transgastric cholecystectomy
- Transgastric nephrectomy

**TRANSVAGINAL ACCESS**
- Transvaginal peritoneoscopy
- Transvaginal cholecystectomy
- Transvaginal nephrectomy

**12.00 pm**
**Lunch at the Institute**

## Afternoon

**12.45 pm**
### LECTURES

**For Option A and Option B**

- How to expose, retract, dissect, divide and suture? Key devices, platforms and Future
  - Exposure, retraction and suture
  - New endoscopes, platforms and devices for NOTES™
  - Robotics and Virtual Reality in NOTES™
- Who should perform NOTES™? Surgeons or Endoscopists?
- Clinical experiences with NOTES™ and Hybrid procedures
  - Transgastric and transluminal cholecystectomy: evolution of the technique – What to do now?
  - Transvaginal hybrid sleeve gastrectomy
  - Transvaginal approach to the spleen
  - What has been reported: an overview of the international experience
- Step towards NOTES™: Single Port Access Surgery: another option to "scarless" abdominal surgery
  - Concept and implementation in cholecystectomy
  - Potentials of single access surgery for colonic resection
  - Single trocar approach for splenectomy
  - Is single access surgery the renaissance of Robotic?

**CLOSING LECTURE**
- NOTES™: Futuristic applications

**4.30 pm**
**End of the course**
Delivery of the certificates of attendance

This programme may be subject to modifications.