

# INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND (EUS) COURSE | ITEC-IHU 2020

Making Training in EUS easier

Course Director  
**L. SOSA VALENCIA** FR

Course Co-Directors  
**F. HABERSETZER** FR  
**J. HUPPERTZ** FR  
**L. SWANSTRÖM** US



INSTITUTE OF IMAGE-GUIDED  
SURGERY

**FEB 26 - 28**  
**MAY 13 - 15** 2020

ENDOSCOPY



## INTERNATIONAL EXPERTS

### FEBRUARY

**I. BOŠKOSKI** IT  
**P. DEPRez** BE  
**P. EISENDRATH** BE  
**M. GIOVANNINI** FR  
**J.M. GONZALEZ** FR

### MAY

**C. ARDENGH** BR  
**E. BORIES** FR  
**M. KAHALED** US  
**M. PEREZ MIRANDA** ES  
**M. WALLACE** US

In partnership  
with



STRASBOURG UNIVERSITY | FRANCE



# ADVANCED INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND (EUS) COURSE | ITEC-IHU

COURSE  
FEB 26-28, 2020  
MAY 13-14, 2020

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In partnership with:



With the support of:



## SAVE THE DATES

For those of you unable to attend this session, other courses are proposed for: October and December 2020

For further information please contact: [training@ihu-strasbourg.eu](mailto:training@ihu-strasbourg.eu)

In accordance with the French law "Informatique et Libertés", you have the right to access and modify your personal data, which may be transmitted to other companies, associations or organizations.

# HIGHLIGHT FEATURES

## Making EUS easier

The Therapeutic Endoscopic Ultrasound (TEUS) technique has transformed traditional surgical management to non-invasive endoscopy treatment. The learning curve of TEUS procedures is deep and long. Endosonographers require new and more specific training.

We are proposing a learning course with pathological live tissue models that simulates realistic patients. Models in all international endoscopic courses are basic hence the need for such an exciting and realistic way of learning!

To make EUS easier, we can recreate clinical conditions on our experimental imaging platform with CT-Scanner, MRI and C-Arm to facilitate imaging of simulated models before EUS intervention in our unique IHU Strasbourg teaching facility.

We are proposing models with:

- Multiple intra-abdominal collections with different contents simulating cystic lesions for TEUS drainage.
- Multiple tumors simulated with gels in the stomach wall and lymph nodes for biopsies (FNB) and radiofrequency (RF) treatment.
- Biliary obstruction for hepatico-cystogastrostomy choledochal gallbladder drainage using all EUS materials available.

This educational program with mentoring experts using pathological live tissue models would allow endosonographers to effectively learn TEUS.

Welcome to this magnificent course!  
Leonardo SOSA VALENCIA MD, MSc

**14 HOURS**  
of Hands-On  
with simulated  
models

# COURSE DESCRIPTION

This three-day course is designed for endosonographers and interventional endoscopists. In an era of new minimally invasive treatments, the success of diagnostic EUS in biliopancreatic pathologies and technologic advances has enhanced the interest of endosonographers in performing Therapeutic EUS as an effective diagnostic and therapeutic tool in the endoscopic room. This course, which includes theory, live transmission and hands-on, using live simulated models from the experimental platform, is the perfect introduction to the use of therapeutic endosonography in daily endoscopic practice.

## COURSE OBJECTIVES

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- Perform hands-on therapeutic EUS-guided techniques under expert guidance and learn all definitive current newly validated indications.
- Provide the knowledge required to integrate EUS into clinical practice. Identify different materials and systems used for different Therapeutic EUS procedures.
- Identify pathological endoscopic ultrasound images like submucosal tumors, lymph nodes, different fluid collections, common bile duct dilatation and intrahepatic bile duct dilatation.
- Understand the real clinical settings of therapeutic endosonography with new linear echoendoscopic equipment, settings like elastography, contrast-enhanced imaging techniques, harmonics and high-resolution Doppler images.
- Address the indications, techniques and results of the most common procedures in Therapeutic EUS including radiofrequency ablation.
- Present the fundamental technical requirements of EUS.
- Describe potential pitfalls and complications of EUS.
- Perform experimental Therapeutic EUS as vascular embolization with glue injection to introduce endoscopic ultrasound in minimally invasive therapies.

## **PARTICIPANT PROFILE & REGISTRATION OPTIONS**

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### **Group A:**

This group is open to a maximum of 32 participants of which 16 are doctors each accompanied with a nurse/assistant with no extra charge. Doctors should have confirmed experience in diagnostic EUS with fine-needle biopsy and interventional endoscopy (>3 years) and/or confirmed experience in ERCP (> 3 years) and abdominal ultrasound (> 4 years).

### **Group B:**

This group is open to students, doctors and nurses interested in therapeutic EUS.

## **EDUCATIONAL METHODS**

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- TEUS Hands-on training on live tissue simulated models using echoendoscopy stations with scanner, C-ARM and latest generation MRI-scanner used as therapeutic imaging modalities.
- More than 7 hours of TEUS hands-on training on ex-vivo models and live simulated models.
- More than 3 hours of live transmissions from the experimental imaging platform.
- Interactive theoretical and video sessions between Faculty and course participants, with conference on hot topics.
- Difficult clinical case discussions with presentations from the participants.

## LIST OF PROCEDURES TO BE PERFORMED DURING COURSE (TEAMS OF 2 PHYSICIANS)

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- Hepaticogastrostomy
- Cystogastrostomy
- CBD gastrostomy (Choledochal drainage)
- Gallbladder drainage
- Radiofrequency ablation
- Fiducial placement and neurolysis
- Glue embolization
- FNB
- Confocal endomicroscopy
- Others

**10**  
PROCEDURES





# ADVANCED INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

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## DAY 1

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7.45 AM Registration & Welcome

8.15 AM **INTRODUCTION**

- Presentation: Models and Animal Anatomy
- Presentation: Animal Care
- Equipment: Echoendoscopes and Endosonographs
- EUS therapeutic devices

10.30 AM Coffee Break

10.45 AM **LECTURES BY EXPERTS - TEUS**

- Managing Pancreatic Cysts: What is New in 2020?  
Cystic biopsy and more
- EUS-Guided Tissue Acquisition from Pancreatic Masses:  
FNA, FNB or Something Better?
- EUS Gallbladder Drainage and Common Bile Duct  
Drainage
- EUS Hepaticogastric Drainage,
- Pancreatic Radiofrequency Ablation
- Other new EUS therapeutic procedures
- Future of EUS: is it possible to make it easier?

12.15 PM **PRESENTATION OF SHORT CASES**



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1.00 PM Lunch at the Institute

2.00 PM **HANDS-ON SESSION ON EX-VIVO MODELS**

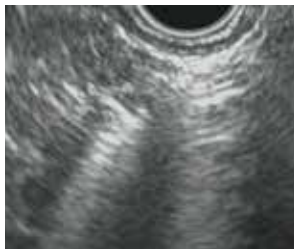
- Cystogastrostomy Drainage Lumen–Apposing Metal Stent (LAMS) Learning

4.30 PM **COURSE DEBRIEFING**  
Evaluation of course by participants

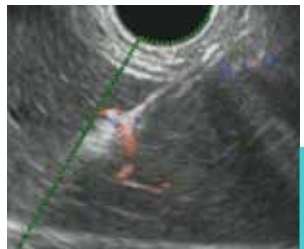
5.00 PM End of the day



Cystic drainage–cystogastrostomy



Pancreatic radiofrequency ablation



FNB of hydrogel tumor in the liver

# ADVANCED INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

## DAY 2

8.30 AM Welcome

8.45 AM Discussion on Previous Day Activities

9.15 AM Group preparation

9.30 AM

### EXPERIMENTAL PLATFORM

**Group A1 (3½h)**

### HANDS-ON SESSION

### CONFERENCE ROOM

**Group A2**

**Group B**

- Live Cases\* (1½h)
- Case discussions / Pre-recorded cases (1½h)

1.00 PM Lunch at the Institute

\*Interactive video transmission from the experimental platform to the conference room

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2.00 PM

**EXPERIMENTAL  
PLATFORM**

**Group A2 (3½h)**

**HANDS-ON  
SESSION**

**CONFERENCE ROOM**

**Group A1**

**Group B**

- **Live Cases\*** (1½h)
- **Case discussions /  
Pre-recorded cases**  
(1½h)

5.30 PM

**DISCUSSION**

Evaluation of course by participants and experts

6.30 PM

End of Day 2



# ADVANCED INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

## DAY 3

8.30 AM Welcome

8.45 AM Discussion on Previous Day Activities

9.15 AM Group preparation

9.30 AM

### EXPERIMENTAL PLATFORM

**Group A2 (3½h)**

### HANDS-ON SESSION

### CONFERENCE ROOM

**Group A1**

**Group B**

- Live Cases\* (1½h)
- Case discussions / Pre-recorded cases (1½h)

1.00 PM Lunch at the Institute

\*Interactive video transmission from the experimental platform to the conference room

---

2.00 PM

**EXPERIMENTAL  
PLATFORM**

**Group A1 (3½h)**

**HANDS-ON  
SESSION**

**CONFERENCE ROOM**

**Group A2**

**Group B**

- **Live Cases\*** (1½h)
- **Case discussions /  
Pre-recorded cases**  
(1½h)

5.30 PM

**DISCUSSION**

Evaluation of course by participants and experts

6.30 PM

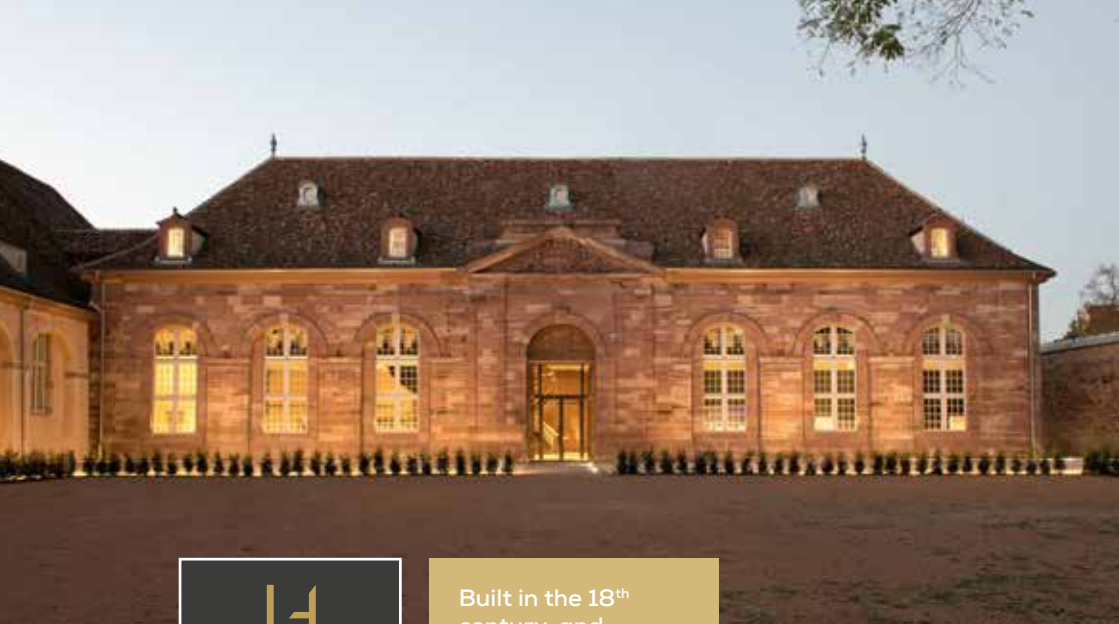
**CONCLUSION**

6.45 PM

End of course

7.45 PM

Social Event in Honour of Participants:  
Traditional Venezuelan Food with Karaoke



Built in the 18<sup>th</sup> century, and renovated by the IRCAD with a contemporary flair true to the style of the compounds.

### SPECIAL OFFER

Register for the course and benefit from our hotel package



### CANCELLATION POLICY - REGISTRATION

Should you wish to cancel or postpone your registration, please notify us in writing by e-mail to:

**[training@ihu-strasbourg.eu](mailto:training@ihu-strasbourg.eu)** or by fax +33 3 90 41 36 99

Please note that no refund nor postponement will be considered for any cancellation received less than 6 weeks prior to the course even if Visa application has been denied.

### CANCELLATION POLICY - HOTEL ACCOMMODATION

Should you wish to cancel or change your hotel accommodation, please notify us in writing by e-mail to: **[training@ihu-strasbourg.eu](mailto:training@ihu-strasbourg.eu)** or by fax +33 3 90 41 36 99

Please do not contact hotels directly.

- Cancellation received earlier than 10 days before the course starts is eligible for full hotel refund.
- Cancellation received later than 10 days before the course starts is eligible for hotel refund - less one night deposit.



Located 50 meters away from IRCAD

In case of unavailability, we shall do our best to reaccommodate you in a nearby hotel of equal standard.



# There is no better place to learn: IRCAD & IHU STRASBOURG: CLUSTER OF EXCELLENCE

**Faculty panel** • L. Sosa Valencia **FR** . M. A. Al - Haddad **US** . V. Arantes **BR** . C. Ardengh **BR** . E. Bories **FR** . I. Boškoski **IT** . F. Caillol **FR** . S. Carrara **IT** . J.-B. Chevaux **FR** . P. Deprez **BE** . F. Di Matteo **IT** . G. Donatelli **IT** . P. Eisendrath **BE** . M. Giovannini **FR** . J.M. Gonzalez **FR** . F. Habersetzer **FR** . J. Huppertz **FR** . M. Kahaled **US** . V. Kaul **US** . M. Khashab **US** . S. Koch **FR** . A. Larghi **IT** . P. Moutinho Ribeiro **PT** . M. Palazzo **FR** . L. Palazzo **FR** . M. Perez Miranda **ES** . T. Ponchon **FR** . I. Rajjman **US** . L. C. Sabbagh **CO** . D.-W. Seo **KR** . M. Sharma **IN** . S. N. Stravropoulos **US** . L. Swanström **US** . M. Topazian **US** . S. Van Der Merve **BE** . P. Vilmann **US** . M. Wallace **US**

## CME ACCREDITATION AND COURSE ENDORSEMENTS

An application has been made to the EACCME® for CME accreditation of this event.

This course meets the guidelines as established in the "Framework for Post-Residency Surgical Education and Training" and is endorsed at the Gold level by the Society of **American Gastrointestinal Endoscopic Surgeons (SAGES)**.

The IRCAD/IHU has been accredited as a comprehensive Accredited Education Institute (AEI) by the **American College of Surgeons (ACS)**.



AMERICAN COLLEGE OF SURGEONS • DIVISION OF EDUCATION  
**ACCREDITED EDUCATION INSTITUTES**  
ENHANCING PATIENT SAFETY THROUGH SIMULATION  
Accredited Education Institute

In partnership with the  
**European Association  
for Endoscopic  
Surgeons (EAES)**



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SURGERY

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