

INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND (EUS) COURSE | ITEC-IHU 2019

Making 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



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**MAY
9-11
2019**

STRASBOURG UNIVERSITY | FRANCE
TRAINING ON LIVE TISSUE

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

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COURSE
MAY 9-11, 2019

COURSE CO-DIRECTORS
F. HABERSETZER FR
J. HUPPERTZ FR
L. SWANSTRÖM US

INTERNATIONAL EXPERTS
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HIGHLIGHT FEATURES

Making EUS easier

The world-renowned Therapeutic Endoscopic Ultrasound (TEUS) technique has transformed our approach from traditional surgical management to non-invasive endoscopy. The learning curve of TEUS procedures is deep and long. Endosonographers require specific training.

We are proposing a learning course with pathological live tissue models. Realistic models in all international endoscopic courses are lacking 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 Robotic Angiography, CT-Scanner, MRI and C-Arm to facilitate imaging of pathological models before EUS intervention in our unique IHU Strasbourg teaching facility.

We are proposing three models:

1. Multiple intra-abdominal collections with different contents simulating post-acute pancreatitis pathologies.
2. Multiple tumors simulated with hydrogels in the liver, the pancreas, the stomach wall and the lymph nodes for biopsies (FNB) and radiofrequency (RF) treatment.
3. Biliary obstruction for therapeutic drainage using all EUS techniques available.

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

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

COURSE DESCRIPTION

This two and a half-day course is designed for experienced endosonographers. In an era of new minimally invasive treatments, the success of diagnostic EUS in biliopancreatic pathologies and technologic advances have enhanced the interest of endosonographers in performing Therapeutic EUS as an effective diagnostic and therapeutic tool in the endoscopic room. This course which includes both theory and hands-on using pathological live tissue models is the perfect introduction to the use of therapeutic endosonography in daily endoscopic practice.

COURSE OBJECTIVES

- Understand the real clinical settings of therapeutic endosonography with new linear and radial echoendoscope 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.
- Identify pathological endoscopic ultrasound images like submucosal tumors, liver metastasis, pancreatic tumors, lymphatic ganglions, fluid and necrotic collections, common bile duct dilatation and intrahepatic bile duct dilatation.
- Identify different materials and systems used for different Therapeutic EUS procedures.
- Present the fundamental technical requirements of EUS.
- 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.
- Describe potential pitfalls and complications of EUS.
- Perform experimental Therapeutic EUS as vascular embolization with coil and/or glue injection to introduce endoscopic ultrasound in minimally invasive therapies.

PARTICIPANT PROFILE & REGISTRATION OPTIONS

Option A: Course without hands-on session with video retransmission from the experimental platform and the endoscopic OR to the auditorium.

Open to 25 participants, endosonographers, interventional endoscopists, endoscopist assistants, nursing staff, residents and fellows.

Option B: Course with hands-on session

Open to **8 participants** with validated experience in diagnostic EUS with fine-needle biopsy and interventional endoscopy (≥ 4 years).

Participants may come accompanied (free of charge) with an endoscopy nurse for training.

EDUCATIONAL METHODS

- TEUS Hands-on training on pathological live tissue models and MRI-scanner-Robotic Angiography pre-therapeutic imaging modalities
- TEUS Hands-on training on ex-vivo models
- Live transmissions from the clinical endoscopy rooms
- Live transmissions from the experimental imaging platform
- Interactive theoretical and video sessions between Faculty and course participants
- Difficult clinical case discussions with presentation from the participants

INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

**Thursday
May 9, 2019**

7.45 AM **Registration & Welcome**

8.00 AM **Introduction**
Presentation of procedures
Presentation of equipment and devices

9.30 AM **Coffee Break**

10.00 AM **HANDS-ON SESSION ON EX-VIVO MODELS ***

- EUS-FNB of different tumors (liver, stomach):
 basic techniques of EUS biopsy
- EUS-guided gallbladder drainage
- EUS-guided drainage of fluid collections

11.00 AM **HANDS-ON SESSION ON PATHOLOGICAL
LIVE TISSUE MODELS***

At the IHU Strasbourg experimental imaging platform
(CT-scan, MRI, C-Arm, Robotic Angiography)

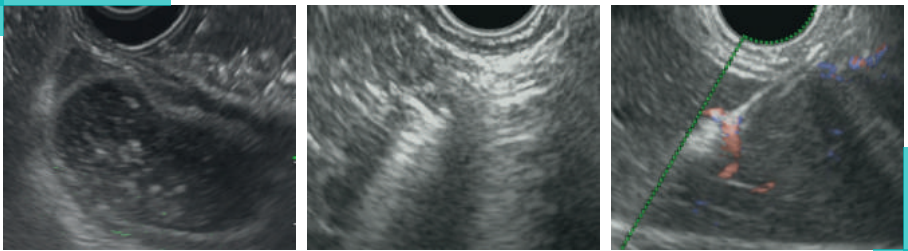
- EUS-guided drainage of abdominal fluid collections
(cystogastrostomy)
- EUS-guided intrahepatic biliary drainage
(hepaticogastrostomy)
- EUS-FNB of different tumor models (liver, stomach,
 pancreas, lymph nodes)
- EUS-radiofrequency ablation
- EUS-celiac plexus neurolysis
- EUS-fiducial placements

1.00 PM Lunch at the Institute

2.00 PM **HANDS-ON SESSION ON PATHOLOGICAL
LIVE TISSUE MODELS***

- EUS-guided drainage of abdominal fluid collections (cystogastrostomy)
- Confocal endomicroscopy
- Intracystic mini biopsy
- EUS-guided gallbladder drainage (gastric cholecystostomy)
- Vascular intervention: EUS-venous embolization
- EUS-guided gastro-jejunal anastomosis

5.00 PM End of Session



Cystic Drainage-cystogastrostomy Pancreatic radiofrequency ablation FNB of hydrogel tumor in the liver

* Video transmission from the experimental platform to the auditorium for Option A participants

INTERNATIONAL THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

**Friday
May 10, 2019**

8.00 AM **LIVE & PRE-RECORDED CLINICAL CASES**

9.30 AM Coffee Break

10.00 AM **LIVE & PRE-RECORDED CLINICAL CASES**

1.00 PM Lunch at the Institute

2.00 PM **HANDS-ON SESSION ON PATHOLOGICAL
LIVE TISSUE MODELS***

- EUS-guided drainage of abdominal fluid collections (cystogastrostomy)
- EUS-guided intrahepatic biliary drainage (hepaticogastrostomy)
- Confocal endomicroscopy
- Intracystic mini biopsy
- EUS-guided gallbladder drainage (gastric cholecystostomy)
- Vascular intervention: EUS venous embolization

5.30 PM **End of Session**

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

* Video transmission from the experimental platform to the auditorium for Option A participants

**Saturday
May 11, 2019**

8.00 AM

LECTURES

Presentation of complex clinical cases by participants

9.30 AM

Coffee Break

10.00 AM

LECTURES

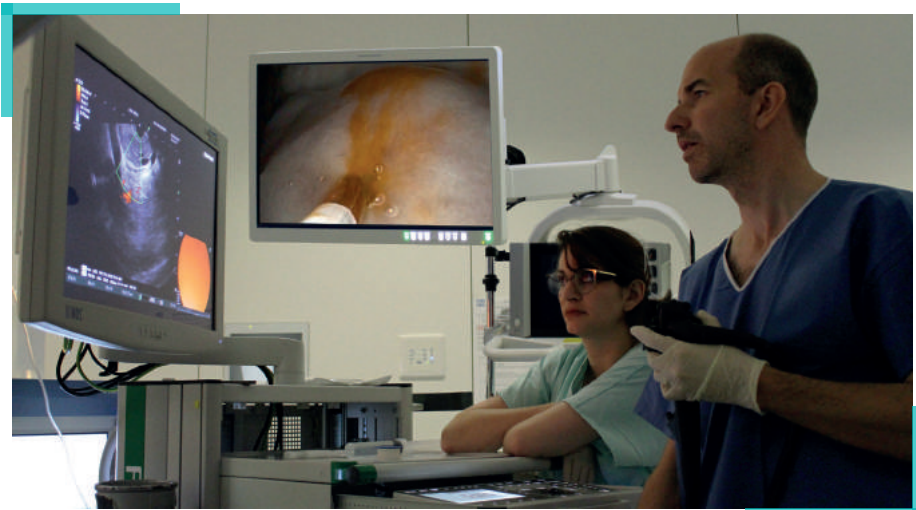
Short communication from all experts: 2019 TEUS

11.30 AM

COURSE DEBRIEFING

12.30 PM

End of Session Cocktail





Built in the 18th 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 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 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** . M. A. Khashab **US** . I. Boškoski **IT** . J.-B. Chevaux **FR** . P. Deprez **BE** . F. Habersetzer **FR** . J. Huppertz **FR** . S. Koch **FR** . L. Palazzo **FR** . M. Palazzo **FR** . T. Ponchon **FR** . L. Swanström **US** . P. Vilmann **DK** . S. W-VAN DER MERWE **BE**. D.-W. Seo **KR**.

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)**.



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**European Association
for Endoscopic
Surgeons (EAES)**



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SURGERY

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