

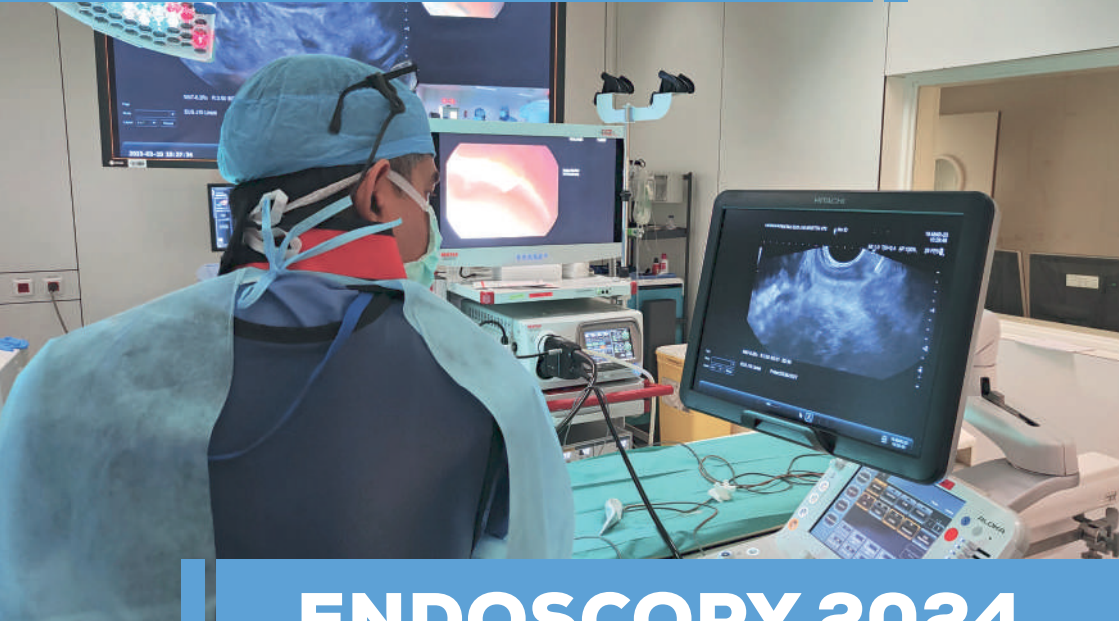
# THERAPEUTIC ENDOSCOPIC ULTRASOUND (EUS) COURSE | ENTEC-IHU 2024

Making Training in EUS Easier



INSTITUTE OF IMAGE-GUIDED  
SURGERY

**MARCH 21-22**  
**OCT 3-4**



## ENDOSCOPY 2024

### INTERNATIONAL EXPERTS

Course Director

**L. SOSA VALENCIA** FR/VE

Course Co-Directors

**A. BADAoui** BE

**J. HUPPERTZ** FR

**F. HABERSETZER** FR

**MARCH 21-22**

**M. ABU-SUBOH ABADIA** ES

**C. BINDA** IT

**V. KAUL** US

**J.W. POLEY** NL

**OCTOBER 3-4**

**P. ARCIDIACONO** IT

**G. JOHNSON** GB

**M. PETRONE** IT

**J.C. SUBTIL** ES

**P. VILMANN** DK

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## COURSE

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## Faculty Panel

L. Sosa Valencia **FR/VE** • M. Abu-Suboh Abadia **ES** • M. AL - Haddad **US** • V. Arantes **BR** • P. Arcidiacono **IT** • C. Ardengh **BR** • A. Badaoui **BE** • C. Binda **IT** • E. Bories **FR** • I. Boškosi **IT** • M. Bronswijk **BE** • F. Caillol **FR** • M. Canto **US** • S. Carrara **IT** • U. Chaput **FR** • J.-B. Chevaux **FR** • C. Coluccio **IT** • L. Czakó **HU** • C. De Angelis **IT** • P. Deprez **BE** • V. Dhir **IN** • F. Di Matteo **IT** • G. Donatelli **IT** • P. Eisendrath **BE** • P. Familiari **IT** • P. Fockens **NL** • A. Gelrud **US** • M. Giovannini **FR** • J.M. Gonzalez **FR** • P. Grandval **FR** • F. Habersetzer **FR** • J. Huppertz **FR** • G. Johnson **GB** • M. Kahaleh **US** • V. Kaul **US** • M. Khashab **US** • S. Koch **FR** • A. Larghi **IT** • A. Lisotti **IT** • B. Mangiavillano **IT** • F. Marcaccio **AR** • C. Micames **PR** • P. Moutinho-Ribeiro **PT** • B. Napoleon **FR** • L. Palazzo **FR** • M. Palazzo **FR** • E. Pérez-Cuadrado-Robles **ES** • M. Pérez Miranda **ES** • M. Petrone **IT** • J.-W. Poley **NL** • T. Ponchon **FR** • C. Praticò **IT** • I. Rajjman **US** • C. Robles-Medranda **EC** • L. C. Sabbagh **CO** • A. Sahai **CA** • C. Schlag **DE** • D.-W. Seo **KR** • M. Sharma **IN** • U. Siddiqui **US** • J.-C. Subtil **ES** • L. Swanström **US** • A. Teoh **HK** • C. Thompson **US** • M. Topazian **US** • A. Tyberg **US** • S. Van Der Merwe **BE** • G. Vanbiervliet **FR** • P. Vilmann **DK** • R.P. Voermans **NL** • M. Wallace **US**

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# HIGHLIGHT FEATURES

## Making EUS Easier

Traditional surgical management has been transformed into a new non-invasive technique known as Therapeutic Endoscopic Ultrasound (EUS). This complex technique which has a steep learning curve needs specific training even in expert hands. Generally, hands-on training courses offered during seminars and conferences are basic and there remains an ever-increasing demand for skills acquisition to handle a growing range of EUS procedures.

We are proposing a learning program using live tissue models with simulated pathologies as found in patients. As the therapeutic application of EUS continues to expand and evolve, there is a growing need for such an exciting and realistic way of learning!

Endoscopic ultrasound (EUS) has evolved into a valuable therapeutic modality, therefore to make it more accessible, we can recreate the clinical experience on our experimental imaging platform with the latest EUS equipment, radiological C-Arm, CT-Scanner and Angio-CT similar to clinical practice. This unique IHU Strasbourg teaching facility provides enhanced imaging of simulated pathological models before EUS intervention.

We are proposing models adapted for multiple interventions:

- Multiple intra-abdominal collections with different contents simulating cystic lesions for EUS-assisted drainage
- Multiple lymph nodes are present for tissue acquisition, radiofrequency ablation (RFA) treatment and fiducial placement
- Biliary dilation for assisted EUS-guided biliary drainages: choledochoduodenostomy, hepaticogastrostomy and gallbladder drainage under EUS guidance.

We are able to use the latest EUS equipment currently available for patients.

This educational program with mentoring from international experts using high fidelity simulated animal models (HiFiSAM) would allow endosonographers to progress from ERCP and diagnostic EUS to therapeutic EUS.

Join us for this unique learning experience !

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

## COURSE DESCRIPTION

This two-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:**

Group A : This group is open to a maximum of 16 participants of which 8 are doctors each accompanied with a nurse or assistant doctor at 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 (Group A).
- More than 3 hours of live transmissions from the experimental imaging platform (Group B).
- Interactive theoretical and video sessions between Faculty and course participants, with conferences on hot topics.
- Difficult clinical case discussions with presentations from the participants.

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

- Multiple simple and complex cystogastrotomies – cold and hot systems
- Gallbladder drainage
- CBD gastrostomy (Choledochal drainage)
- Radiofrequency ablation
- FNB & FNA
- Portal pressure measurement
- G-G anastomosis
- Fiducial placement
- Glue and coil embolization
- Hepaticogastrostomy (optional)
- Neurolysis of celiac ganglia
- Microbiopsy sampling

**+10**  
PROCEDURES



# ADVANCED 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

**9.30 AM** Coffee Break

**9.45 AM** **LECTURES BY EXPERTS - TEUS**

- Pancreatic pseudocysts and fluid collection drainage with necrosectomy.
- EUS-guided biliary drainage (EUS-BD), hepaticogastrostomy, gallbladder drainage and choledochoduodenostomy.
- Enteral anastomosis and treatment of surgical complications.
- Radiofrequency ablation, neurolysis, fiducial placement, portal pressure measurement, glue and coil injection.
- Tissue acquisition (EUS-TA) by FNA and FNB. Different types of solid tumors and lymph nodes.
- Pancreatic cystic lesions diagnosis. FNB-FNA, endomicroscopy and microbiopsy.
- Training in EUS, the ESGE guidelines
- Future of EUS: Is it Possible to Make it Easier?

**11.30 AM** **COLLOQUIUM ON SPECIFIC TOPIC OF  
THERAPEUTIC EUS**

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**1.00 PM** Lunch at the Institute

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

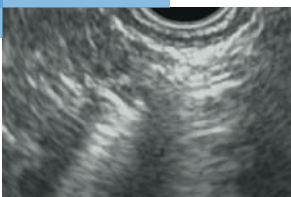
- Cystogastrostomy Drainage Lumen-Apposing Metal Stents (LAMS) and Plastic Stents
- Material Demonstration: Cystogastrostomy and Portal Pressure Measurement

**4.25 PM** **PRESENTATION OF EQUIPMENT**

- Equipment: Echoendoscopes and EUS Towers
- EUS Therapeutic Devices - Accessories

**5.00 PM** End of Day 1

**7.45 PM** Social Event in Honour of participants



Pancreatic radiofrequency ablation



Cystic drainage-cystogastrostomy





# ADVANCED THERAPEUTIC ENDOSCOPIC ULTRASOUND COURSE

## DAY 2

**8.30 AM** Welcome

**8.45 AM** Discussion on Previous Day Activities  
– Case Discussions

**9.15 AM** Group Preparation

**9.30 AM** **EXPERIMENTAL PLATFORM** **CONFERENCE ROOM**

**Group A**

**Group B**

**HANDS-ON  
SESSION**  
with HiFiSAM \*

- Live Cases\*<sup>2</sup>
- Case Discussions/  
Pre-Recorded Cases

**1.00 PM** Lunch at the Institute

\*HiFiSAM : High Fidelity Simulated Animal Model

\*<sup>2</sup> Interactive video transmission from the experimental platform to the conference room

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**2.00 PM**

**EXPERIMENTAL  
PLATFORM**

**CONFERENCE ROOM**

**Group A**

**Group B**

**HANDS-ON  
SESSION**  
with HiFiSAM \*

- Live Cases\*<sup>2</sup>
- Case Discussions/  
Pre-Recorded Cases

**5.30 PM**

**DISCUSSION**

Evaluation of course by participants and experts

**6.00 PM**

End of course



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

English-Speaking Course

## REGISTRATION FORM

Dr./Prof. Family Name \_\_\_\_\_  
First name \_\_\_\_\_  
Date of Birth \_\_\_\_\_ Place of Birth \_\_\_\_\_ Nationality \_\_\_\_\_  
Professional address \_\_\_\_\_  
Zip Code \_\_\_\_\_ City \_\_\_\_\_  
Country \_\_\_\_\_  
Phone \_\_\_\_\_ Mobile Phone \_\_\_\_\_  
E-mail \_\_\_\_\_

## COURSE REGISTRATION

For March, 21-22  
**\*Early Bird deadline January, 4**

For October, 3-4  
**\*Early Bird deadline June, 19**

**Group A:** Complete hands-on practice with lectures and case presentations. \_\_\_\_\_ **1925 €**  
Endoscopy Nurse or Assistant (doctor) included **\*1540 €**

Nurse/Assistant Name: \_\_\_\_\_

**Group B:** Auditorium with live transmission from experimental platform \_\_\_\_\_ **550 €**  
lectures and case presentations. **\*440 €**

**\*Early bird or SFED & CFE members course discount 20%**

*\*This offer cannot be combined with any other discount*

## HOTEL (Optional)

A list of our partner hotels can be provided on request. To benefit from preferential rates proposed to the IHU, reservations can be made with the hotel directly using the IHU Strasbourg as a reference. Payments are to be made directly to the hotel. Please familiarize yourself with the cancellation policy for the hotel selected. In most cases, no refund nor postponement will be considered for any cancellation made less than 6 weeks prior to the course. We remain available should you need further assistance.

## CANCELLATION POLICY

Should you wish to cancel or postpone your registration, please notify us in writing by e-mail to: [education@ihu-strasbourg.eu](mailto:education@ihu-strasbourg.eu). Request for cancellation or postponement of your course must be made no less than 6 weeks before the start date, even in the event of visa denial.

## PAYMENT

Instructions for payment (bank transfer or check in €) will be provided upon receipt of your registration form. Please email this form to [education@ihu-strasbourg.eu](mailto:education@ihu-strasbourg.eu)

Please bill my credit card:



MASTER CARD



N° | | | | | | | | | | | | | | | | | | Expiry Date | | / | | | Security code | | | | |

I accept the cancellation policy

Name & Signature:

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# There is no richer way of learning: IHU STRASBOURG: STRIVING FOR EXCELLENCE IN HEALTHCARE

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

## 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)**.



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



INSTITUTE OF IMAGE-GUIDED  
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