



MODULAR ULTRASOUND ESTES COURSE

ECTES 2025

Pre-Congress Course

April, 11-12 2025

Aachen

Germany

Schedule

Module 1

E-FAST

April 11, 2025

07:45 Registration of participants

08:00 Welcome: (*Casamassima*)

08:10 Case Scenario – *Interactive* (*Farré Font/Cantarella*)

Live demonstration of the use of US in trauma as a decision-making tool

08:20 Revision of Knobology & image orientation (*Casamassima*)

- turning on the machine
- handling probe – direction, gel,...
- Gain, TGC, Depth, M-mode
- focus
- freezing and recording

08:40 E-FAST (*video*) followed by discussion on tricks/pitfalls (*Martinez*)

09:00 Case Scenarios: 4 case scenarios: (*Farré Font/Cantarella/Marelli/Vetrone*)

09:30 Break

09:45 Hands-on sessions*: Groups of 4 people practicing on healthy models Instructors: all the faculty

12:00 MCQs Test

12.30 Closing remarks: *Marconi* 13:00 Finish of the Course

* Hands-on sessions

Module 2

Diagnostic US in Emergency Department

April 11, 2025

13:30 Welcome: *(Marconi)*

13:40 Lectures& Interactive cases

- - Gallbladder & biliary tree (Casamassima/Marconi)
- - *Case scenarios (Marconi/Cantarella)*
- - Aorta (Farré Font/Martinez)
- - *Case scenario (Marconi/Martinez)*
- - Kidney & Bladder (Casamassima/Cantarella)
- - *Case scenarios (Casamassima/Cantarella)*
- - CUS (Marconi/Cantarella)
- - *Case scenario (Martinez/Mariani)*
- - Bones Fractures (Martinez/Marconi)
- - *Case scenario (Farré Font/Cantarella)*

- - Soft Tissues (Martinez/ *Casamassima*)
- - *Case scenario (Marconi/Mariani)*

15:15 **Break**

15:30 **Hands-on sessions***: Groups of 4 people practicing on healthy models

and phantoms. **Instructors**: all the faculty 18:00 **MCQs Test**

18:30 **Closing remarks** (Casamassima)

18:40 **Finish of the Course**

* **Hands on sessions**

Advanced Visceral Ultrasound

April 12, 2025

08:00 **Welcome:** *(Casamassima)*

8:10 **Case scenarios:** *(Cantarella/Mariani)*

8:25 **Normal intestinal US anatomy:** *(Marconi/Vetrone)*

8:35 **Acute Appendicitis** (Technique of US, pathological findings, tips and tricks): *(Cantarella/Martinez)*

8:45 **Acute Diverticulitis** (Technique of US, pathological findings, tips and tricks) *(Marconi/Mariani)*

09:00 **Small bowel obstruction.** (Technique of US, pathological findings, tips and tricks) *(Casamassima/Marconi)*

09:10 **Bowel perforation:** recognizing free peritoneal air *(Marconi/Martinez)*

09:20 **Hernia US:** landmarks, technique, pathological findings *(Cantarella/Martinez)*

09:35 **Case scenarios.**

- Appendicitis *(Cantarella)*
- Bowel obstruction *(Mariani)*
- Diverticulitis *(Farré Font)*
- Intestinal perforation *(Marconi)*

10:00 **Break**

10:15 **Hands-on sessions*:** Groups of 4 people practicing on

healthy models and
phantoms. **Instructors:** all the faculty

- 12:15 **MCQs Test**
 - 12:45 **Closing remarks:** *(Martinez)*
 - 13:00 **Finish of the Course**
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Module 4

Interventional Ultrasound

April 12, 2025

14:00 Welcome: *(Martinez)*

14:10 Principles of Interventional US: *(Mariani)*

- How to prepare the setting for an interventional maneuver
- Needles & Drainages
- Check-list
- Set up of the machine and the choice of the probe
- The ideal position
- In Plane/Out of Plane/Fanning/Jiggling
- Tricks for needle visualization

14:30 Maneuvers: Vascular Access *(Marconi)*

- Central venous cannulation
- Peripheral venous cannulation

14:45 Maneuvers: Abdomen

- Diagnostic Peritoneal Aspiration (*Casamassima*)
 - Suprapubic cystostomy (*Cantarella*)
 - Cholecystostomy (*Marconi*)
15:00 **Maneuvers: Thorax**
 - Thoracentesis (*Farré Font*)
 - Pneumothorax aspiration (Martinez)
 - 15:15 **Break**
 - 15:45 **Hands-on sessions:** Groups of 5 people practicing on phantoms. **Instructors:** all the faculty
 - 18:00 **MCQs Test & Course feed-back**
 - 18:40 **Revision of the Test & Closing remarks:** (*Marconi*)
 - 18:40 **Finish of the Course**
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