



Hospital General de Granollers  
Hospital Universitari  
Fundació Privada Hospital Asil de Granollers



# ULTRASOUND IN THE CRITICALLY ILL



**2nd CEURF  
Course Barcelona  
2019**

**February 27, 28  
March 01**

The CEURF course is based on the use of WBU - Whole Body Ultrasonography - and the concept of Visual Medicine for the diagnosis and therapeutic approach of critical patients in any scenario.

CEURF favors homogeneous training warranted by the didactic potential coming from one same lecturer, medical intensivist, 28 years of research at the bedside of critically ill patients seen between ER and ICU, visiting professor, author of 6 textbooks, some dozens of publications, regularly invited in international congresses. He uses his didactic abilities for making critical ultrasound a holistic tool, centered by the lung.

## OBJECTIVE

CEURF aims at promoting the use of ultrasound as a clinical tool devoted to the critically ill, seen in the ICU, the Emergency Room, the Operation Room or everywhere, used as a genuine stethoscope. CEURF favors simple machines and simple rules, allowing the practice of a visual medicine.

## METHODOLOGY

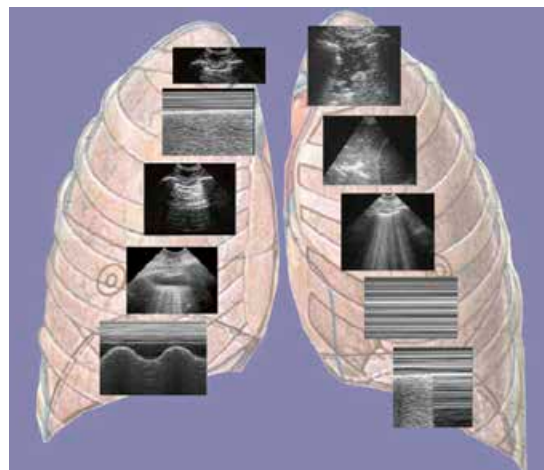
**An approach focused on the critically ill.** Attendees will benefit from a training focusing exclusively on points yielding therapeutic management of critical situations.

**Adapted training.** CEURF uses applications usually not described in traditional textbooks. It shows an alternative approach for life-saving questions, offering a direct parameter of volemia (FALLS-protocol) and a direct approach to respiratory failure (BLUE-protocol).

**The lung.** Lung ultrasound is the masterpiece of CEURF.

**A multidisciplinary spirit.** Participants are recruited among all specialties dealing with the lung.

**A spirit of simplicity.** Simplicity is the key word of CEURF, used to its extreme without compromise to the patient' safety. A simple but adapted unit, a universal probe suitable for all applications, a simple material for interventional ultrasound, a clean substitute for gel, simple applications, dichotomic approaches, mainly at the lung area, are used.





15 participants

**PARTICIPANTS**

This course is aimed at medical intensivists, anesthesiologists, emergency physicians, pediatricians, pre-hospital physicians, cardiologists, nephrologists, radiologists...



**PROGRAMME**

Ultrasound devoted to the critically ill - Introduction

Simple emergency cardiac sonography

The lung, the basis

Lung ultrasound, the basis

The BLUE-Protocol

The Pink-Protocol

The LUCI-FLR Program

The FALLS-Protocol

Venous Access

Abdomen

The SESAME-Protocol

**Bibliography:** [https://www.dropbox.com/sh/kc28es5m255jka2/AADIOpWZToRG\\_tw\\_b6vJhB75a?dl=0](https://www.dropbox.com/sh/kc28es5m255jka2/AADIOpWZToRG_tw_b6vJhB75a?dl=0)

**LANGUAGE**

English

**MODE**

Presential



**DURATION**

16 lecture hours + 4 hours hands on training

**TIMETABLE**

09:00 - 14:00. **Lecture lessons**

15:00 - 19:00. **Participative classes with healthy people**  
(5 participants)



**FACULTY**

**Dr. Daniel Lichtenstein**

President of CEURF (Cercle des Echographistes D'Urgence et de Reanimation Francophones).  
Medical Intensive Care Unit. Hospital Ambroise-Paré. Boulogne (Paris-Ouest University). Paris - France.

**Dr. Germán Moreno**

Coordinator of CEURF Course. Medical Anesthesiology Specialist.  
Hospital General de Granollers. Barcelona.

- 1 Contact product, the probe, disinfectant
- 2 A smart ultrasound unit with a Flat keyboard
- 3 Material for emergency ultrasound-enhanced procedures (pneumothorax, tamponade, venous line...)
- 4 Notebook (etc)
- 5 Emergency management (airway, fluids...)
- 6 Four wheels (the most important, allowing easy transportation of the PUMA from bed to bed, from ICU to ER)



**FEE 350€**

## DIRECTION

Dr. Regina Sopena, Head of Anesthesiology and Resuscitation Service at Hospital General de Granollers.

## COURSE COORDINATION

Dr. Germán Moreno, Medical anesthesiology specialist at Hospital General de Granollers.

**Any queries please contact: [lguix@fhag.es](mailto:lguix@fhag.es)**

## LOCATION

Aula de Docència  
Hospital General de Granollers  
Av. Francesc Ribas s/n 08402 Granollers

**APPLY NOW at [http://www.fphag.cat/ultrasound\\_in\\_the\\_critically\\_ill\\_2/](http://www.fphag.cat/ultrasound_in_the_critically_ill_2/)**

## ACCREDITATION

The course is in process of accreditation by Consell Català de les Professions Sanitàries. Participants will receive a certificate of attendance.

## With the endorsement of SCARTD

(Societat Catalana d'Anestesiologia, Reanimació i Terapèutica del Dolor)



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