

**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)

**TIMETABLE:**

Thursday 2nd November 9.00 – 17:00 h

Friday 3rd November 9.00 – 17:00 h

Saturday 4th November 9:00 – 13:00 or 14:00 – 18:00

**LOCATION:**

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

**LANGUAGE:** English

**FEE:** 350€

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

**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 Teràpia del dolor)



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

# ULTRASOUND IN THE CRITICALLY ILL

## 1st CEURF Course Barcelona 2017



**November 2,3,4 2017**

**Hospital General de Granollers**

Av. Francesc Ribas, s/n  
08402 Granollers

## INTRODUCTION:

The CEURF course is based on the use of ultrasound WBU - *Whole Body Ultrasonography* - and the concept of Visual Medicine for the diagnostic and therapeutic approach of critical patients in emergency services, emergencies, anesthesiology, resuscitation, intensive care, operating theaters, prehospital care, hospital plants, etc.

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.

## PARTICIPANTS:

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

## PROGRAMME:

### First Didactic day: 2<sup>nd</sup> November

- Ultrasound devoted to the critically ill - Introduction
- Simple emergency cardiac sonography
- The lung, the basis
- Lung ultrasound, the basis
- The BLUE-Protocol

### Second Didactic day: 3<sup>rd</sup> November

- The Pink-Protocol
- The LUCI-FLR Program
- The FALLS-Protocol
- Venous Access
- Abdomen
- The SESAME-Protocol

### Participatory session: 4<sup>th</sup> November

**DURATION:** 16 lecture hours + 4 hours hands on training

## 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.