

Echo Crit

level I

2026 | E-learning | CUF Simulation Center





E-learning | Modules

TTE indications in Emergency /ICU scenario

Filipe Gonzalez

US physics for dummies

Lígia Mendes

Artifacts and how to get rid of them

Hugo Café

Knobology and image optimization

Pedro Rio

Windows and views

Igor Millet

Systematic approach and problem-oriented medical record

Gonçalo Marto

LV systolic function

Rui Gomes

RV systolic function

Jacobo Bacariza

Cardiac output measurement

Doroteia Reis

IVC evaluation and interpretation

Rita Varudo

Valves stenosis - a quick shot

António Tralhão

Valves regurgitation and endocarditis - a quick shot

Marta Ponte

Pericardial effusion and tamponade

Mariana Castro

Right heart overload - PE and Pulmonary hypertension

Rui Plácido

The patient is in SHOCK!

Tomás Lamas

How to evaluate fluid responsiveness?

Pedro Costa

Ultrasound approach to the CPR

João João Mendes



Hands-on | CUF Simulation Center

- 9:00 am **Windows and views**
Igor Millet
- 9:30 am **Image optimization**
Pedro Rio
- 10:00 am **Pericardial effusion and tamponade**
Mariana Castro
- 10:30 am **CPR**
João João Mendes
- 11:00 am **Coffee break**
- 11:30 am **LV systolic function**
Rui Gomes
- 12:00 am **RV systolic function**
Jacobco Bacariza
- 12:30 am **Valves approach**
António Tralhão
- 1:00 pm **Fluid challenge**
Lígia Mendes
- 1:30 pm **Lunch**
- 3:00 pm **Right heart overload**
Rui Plácido
- 3:30 pm **Shock evaluation**
Filipe Gonzalez
- 4:00 pm **Cardiac output measurement**
Doroteia Reis
- 4:30 pm **IVC evaluation**
Rita Varudo
- 5:00 pm **Coffee break**
- 5:30 pm **Clinical case evaluation**



Target

Intensive Care; Anesthesiology
Internal Medicine; Cardiology
residents or physicians
Other specialities are possible

Course Directors

Filipe Gonzalez
Lígia Mendes

Trainer Doctors

António Tralhão	Jacobo Bacariza	Pedro Rio
Doroteia Reis	João João Mendes	Rita Varudo
Gonçalo Marto	Mariana Castro	Rui Gomes
Hugo Café	Marta Ponte	Rui Plácido
Igor Millet	Pedro Costa	Tomás Lamas

Manager

Sofia Fraga

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