



**New Frontiers in Critical Care
TEE
NEW FRONTIER IN
CARDIOVASCULAR MEDICINE
PRE CONGRESS COURSE**

NEW FRONTIERS IN CRITICAL CARE TEE CRITICAL CARE TRANSESOPHAGEAL ECHOCARDIOGRAPHY COURSE

**15 - 16
19 - 20
February 2024**

Scientific Coordination

**Prof. Ana G. Almeida
Dr. Rui Plácido**

Topics

- Transesophageal echocardiography views
- Left ventricular systolic and diastolic functions
- Evaluation of right ventricle
- Hemodynamics
- Volume status and fluid responsiveness (dynamic evaluation) /heart-lung interactions
- Pericardial disease
- Aorta and other great vessels
- Valvular heart diseases
- Ischemic heart disease
- Intracardiac masses including endocarditis
- Heart failure and cardiomyopathies
- Shock
- Acute respiratory distress syndrome
- Pulmonary hypertension syndromes including pulmonary embolism
- Frequent congenital heart disease in adults

Registrations/Informations



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Venue

**Faculdade de Medicina da
Universidade de Lisboa**

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Associação para Investigação e Desenvolvimento
da Faculdade de Medicina

**Everything about performing and interpreting a
standard TEE exam in the critical care setting**

New Frontiers in Critical Care TEE



NEW FRONTIER IN CARDIOVASCULAR MEDICINE

PRE CONGRESS COURSE

15-16 & 19-20 FEBRUARY 2024



This course teaches what is needed to know about performing and interpreting a standard TEE exam in the critical care setting.

Trainees will learn when a TEE should be ordered and what needs to be done to ensure the safety of patient during the process.

Through following approaches, the trainees will undergo learning on TEE procedure: attendance and review of lectures on TEE performance and interpretation, learning the practice of TEE using simulating models and patients, learning how to read and report TEE exams through dedicated platforms

At the end of the workshop, participants will be able to: acquire the focused TEE views, correctly identify cardiac anatomy and evaluate basic pathological conditions.

Prof. Ana G. Almeida

Dr. Rui Plácido

Course scientific coordination





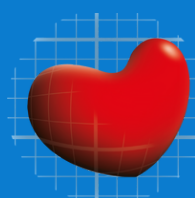
FACULTY

- Ana G. Almeida, Faculdade de Medicina da Universidade de Lisboa, Centro Hospitalar Universitário Lisboa Norte
- Ana Galrinho, Centro Hospitalar de Lisboa Central
- Catarina Sousa, Centro Hospitalar Universitário Lisboa Norte
- Daniel Caldeira, Faculdade de Medicina da Universidade de Lisboa, Centro Hospitalar Universitário Lisboa Norte
- Doroteia Silva, Centro Hospitalar Universitário Lisboa Norte
- Filipe Gonzalez, Hospital Garcia de Orta
- Joana Rigueira, Centro Hospitalar Universitário Lisboa Norte
- Kevin Domingues, Hospital Distrital de Santarém
- Rui Plácido, Centro Hospitalar Universitário Lisboa Norte
- Regina Ribeiras, Centro Hospitalar de Lisboa Ocidental
- Sara Guerreiro, Centro Hospitalar de Lisboa Ocidental

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Sociedade Portuguesa de
CARDIOLOGIA



SOCIEDADE PORTUGUESA
DE CUIDADOS INTENSIVOS

COURSE PROGRAMME



Day 1 - 15 February 2024

Day 2 - 16 February 2024

Session 1 - 9:00-13:30

Normal TEE - Lectures (online)

09:00 Indications/contraindications Patient preparation for TEE
Ana G. Almeida

09:30 How to get the views. Overview of TEE views
Rui Plácido

10:00 Assessment of the left ventricle anatomy & function, cardiac output
Daniel Caldeira

10:30 PAUSE

11:00 Assessment of the mitral valve. Assessment of the aortic valve
Regina Ribeiras

11:30 Assessment of the left atrium and appendage Assessment of the interatrial septum
Assessment of the pulmonary veins
Joana Rigueira

12:00 Assessment of the right heart and pulmonary artery
Ana Galrinho

12:30 Assessment of thoracic aorta and vena cava
Ana G. Almeida

Session 2 - 14:30 - 19:30 (in person)

14:30-16:30 Group 1 - Practice of TEE probe manipulation in simulation models
Group 2 - Reading exams in a dedicated platform

16:30-17:00 Coffee-break

17:00-19:00 Group 2 - Practice of TEE probe manipulation in simulation models
Group 1 - Reading exams in a dedicated platform

Session 3 - 9:00-13:30

Clinical applications of TEE - Lectures (online)

09:00 Volume status and fluid responsiveness (dynamic evaluation) / Heart-Lung Interactions
Filipe Gonzalez

09:30 Heart failure & LV regional function
Joana Rigueira

10:00 Evaluation of aortic and mitral valve diseases
Kevin Domingues

10:30 Intracardiac masses including endocarditis
Catarina Sousa

11:00 PAUSE

11:15 Pericardial disease including tamponade
Doroteia Silva

11:30 Pulmonary hypertension syndromes including pulmonary embolism
Rui Plácido

11:45 Thoracic aorta disease
Sara Guerreiro

12:00 Patient under left ventricular mechanical assistance
Doroteia Silva

Session 4 - 14:30 - 19:30 (in person)

14:30-16:30 Group 1 - Practice of TEE probe manipulation in simulation models

Group 2 - Reading exams in a dedicated platform

16:30-17:00 Coffee-break

17:00-19:00 Group 2 - Practice of TEE probe manipulation in simulation models
Group 1 - Reading exams in a dedicated platform

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COURSE PROGRAMME



Day 3 and 4
19 and 20 February 2024

Session 5 and 6 - 08:00-14:30

Practice of TEE in the Echo Lab
Reporting exams in the TEE platform

08:00 - 09:00

Reception and distribution of trainees by groups
Presentation on the operating and safety rules of the echocardiography laboratory.
Uniforms and distribution across rooms

09:00 - 10:00

Room 1: group A - valvular heart disease - aortic
Room 2: group B - valvular heart disease - aortic
Report Room: groups C and D

10:00 - 11:00

Room 1: group C - suspected endocarditis
Room 2: group D - suspected endocarditis
Report Room: groups A and B

11:00 - 12:00

Room 1: group B - exclusion of cardioembolic source
Room 2: group A - exclusion of cardioembolic source
Report Room: groups C and D

12:00 - 13:00

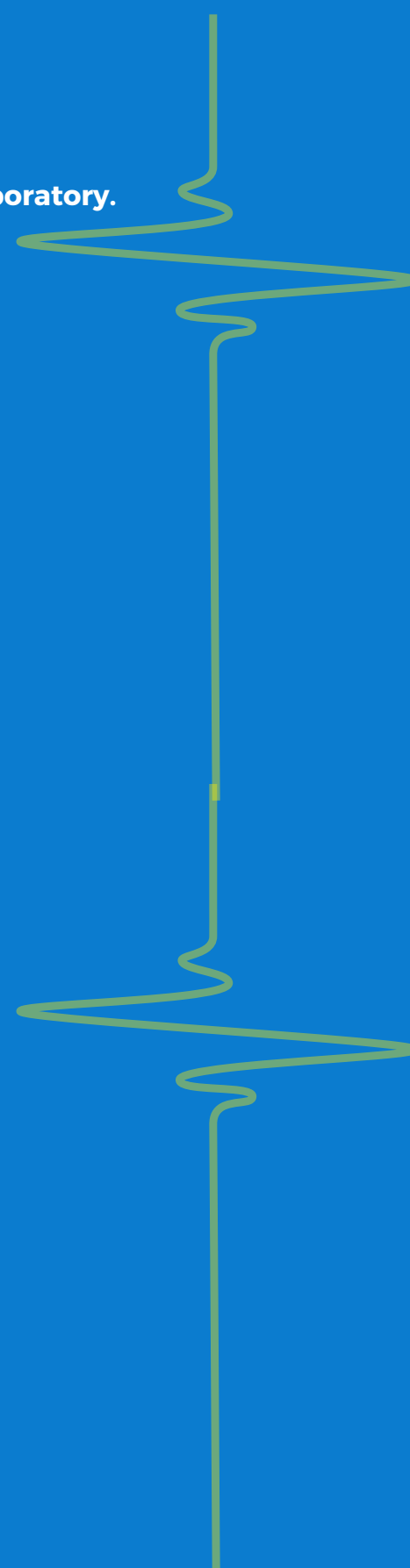
Room 1: group D - valvular heart disease - mitral
Room 2: group C - valvular heart disease - mitral
Report Room: groups A and B

13:00 - 14:00

LUNCH

14:00 - 14:30

Conclusions
Course closure



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CONGRESSO

**Novas Fronteiras em
Medicina Cardiovascular**

Congress New Frontiers in Cardiovascular Medicine