



2ND EDITION

ADVANCED TRAINING

**CLINICAL
ECHOCARDIOGRAPHY:
LEARN WITH THE
EXPERTS**

2 ECTS

DATE

November 29 and 30 and December 6, 2024

APPLICATIONS UNTIL

November 14, 2024



GENERAL PRESENTATION

This course aims to showcase the benefits of integrating echocardiography with clinical practice and other complementary diagnostic tests, to identify the role of echocardiography in the assessment of patients with suspected or known cardiovascular disease and to recognize the latest advances in echocardiography, providing participants with its state of the art in 2024.

Currently, echocardiography plays a fundamental role in cardiology and will continue to do so in the future. It is the first-line imaging test, recommended, in the majority of patients with heart disease, and a true extension of the objective cardiological examination. Despite recent advances in other imaging techniques, ultrasound is the true workhorse of cardiac imaging and often sufficient for diagnostic purposes. Its underlying advantages, such as accessibility and convenience of being performed "at the patient's bedside", as well as precise morphological and functional diagnostic information, benefits the therapy selection and accuracy in the prognosis.

LEARNING OBJECTIVES

- Provide an overview of the latest developments in terms of echocardiography and its benefits
- Explain the echocardiography concept and fundamentals as key to provide an integrated approach of the different systems and components for a given clinical situation
- List and explain the advantages of logical, rational, and sequential integration of data from different non-invasive imaging techniques in clinical cardiology
- Interpret reports and morphological and functional data provided by echocardiography, master its specific language, and integrate them with the clinical data, to optimize the approach to the patient
- Describe how to perform "Clinical Echocardiography", patient centered, by selecting in each disease the logical sequence of imaging techniques to be used, avoiding overlapping and redundant information

AUDIENCE

Physicians (residents or specialists) in the following areas:

- Cardiology
- Intensive care medicine
- Internal medicine
- Anaesthesiology

Cardiopneumology technicians

COURSE ASSESSMENT

Student performance includes written examination, case studies/presentations/discussions and classroom participation

COORDINATION



Prof. Dr. Nuno Cardim



Prof. Dr. Hélder Dores

FACULTY

Lígia Mendes
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Marisa Trabulo
Júlia Toste
Paula Fazendas
Filipa Ferreira
Rui Guerreiro

PROGRAM

29/11/2024 | 10:00 - 19:00

- The normal echocardiographic study
- The athlete´s heart
- Echocardiography by non-cardiologists and outside the echo laboratory: POCUS, FoCUS and HUDs
- Echocardiography in myocardial diseases-I
- Echocardiography in myocardial diseases-II
- Echocardiography in coronary heart disease
- Echocardiography in valvular diseases (aortic)
- Echocardiography in valvular diseases (mitral)
- Echocardiography in valvular diseases (tricuspid and pulmonary)

30/11/2024 | 09:00 - 18:30

- Echocardiography in infective endocarditis
- Echocardiographic evaluation of prostheses, plasties and structural intervention
- Echocardiography in pericardial diseases
- Echocardiography in diseases of the aorta
- Echocardiography in adult congenital heart diseases
- Echocardiography in pulmonary embolism
- Echocardiography in pulmonary hypertension
- Echocardiography in the assessment of cardiac masses
- Case studies

6/12/2024 | 14:30

Course assessment



ATTENDANCE REQUIREMENTS

At least 75% attendance is mandatory

COURSE CRITERIA

CV and transcript of records

REGISTRATION CRITERIA:

- Physicians (residents or specialists) in the following areas:
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 - Internal medicine
 - Anesthesiology
- Cardiopneumology technicians

NUMERUS CLAUSUS

50

COURSE FORMAT

Classroom

ADMISSION CRITERIA

Not applicable (first come, first served)

COURSE LANGUAGE

English

TUITION AND APPLICATION FEES

Application fee: **51 euros**

Tuition fee : **350 euros** (includes registration fee, insurance and catering)

PROGRAM MANAGER



Filipa Toscano

CONTACTS

For specific questions or inquiries, please contact our:

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