



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

Sponsors





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 Does

FACULTY

Alexandra Toste
António Freitas
Filipa Ferreira
Inês Cruz
João Abecasis
Júlia Toste
Lígia Mendes
Marisa Trabulo
Miguel Raposo
Paula Fazendas
Pedro Rio
Rita Duarte
Rui Plácido

PROGRAM

29/11/2024

COURSE INTRODUCTION

SESSION 1 | 09H15-10H00

The normal echocardiographic study

SESSION 2 | 10H00-10H45

The athlete's heart

SESSION 3 | 11H00-11H45

"Echocardiography by non-cardiologists and outside the echo laboratory: POCUS, FoCUS and HUDs"

SESSION 4 | 11H45-12H30

Echocardiography in coronary heart disease

SESSION 5 | 14H00-14H45

Echocardiography in valvular diseases (aortic)

SESSION 6 | 14H45-15H30

Echocardiography in valvular diseases (mitral)

SESSION 7 | 15H30-16H15

Echocardiography in valvular diseases (tricuspid and pulmonary)

SESSION 8 | 16H30-17H15

Echocardiography in infective endocarditis

SESSION 9 | 17H15-18H00

Echocardiographic evaluation of prostheses, plasties and structural intervention

30/11/2024

SESSION 10 | 09H00-09H45

Echocardiography in myocardial diseases- I

SESSION 11 | 09H45-10H15

Echocardiography in myocardial diseases-II

SESSION 12 | 10H15-11H00

Echocardiography in pericardial diseases

SESSION 13 | 11H15-12H00

Echocardiography in diseases of the aorta

SESSION 14 | 12H00-12H45

Echocardiography in adult congenital heart diseases

SESSION 15 | 14H00-14H45

Echocardiography in pulmonary embolism

SESSION 16 | 14H45-15H30

Echocardiography in pulmonary hypertension

SESSION 17 | 15H30-16H15

Echocardiography in the assessment of cardiac masses

SESSION 18 | 16H30-17H15

Case studies

CLOSING | 17H15-17H30

06/12/2024

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:
 - Cardiology
 - Intensive care medicine
 - 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:

T: (+351) **21 8803000** | Ext: 21310

Campo Mártires da Pátria, 130

1169-056 Lisboa – Portugal

www.nms.unl.pt