COURSE OVERVIEW

A basic and advanced interactive course about 4D echocardiography using different imaging scanners, and workstations to foster the implementation of 4D echocardiography imaging in the daily routine of the echo labs.

This course includes both live scanning sessions with models and expert guided hands-on sessions on workstations.

LEARNING OBJECTIVES

Upon completion of this program, participants will be better able to:

- Understand the added value of 4D echocardiography to assess the anatomy and the pathophysiology of the various heart diseases and be able to incorporate its use in the daily practice of the echo lab
- Integrate 4D echocardiography information in the clinical decision making
- Assess cardiac chamber geometry and function using 4D echocardiography
- Use 4D echocardiography to perform quantitative analysis of heart valve morphology and function
- Define the most important clinical uses of 4D TTE and TEE
- Understand the role of 4D echocardiography in structural heart disease interventions
- Recognize the role of 4D echocardiography to assess the most common congenital heart defects

WHO SHOULD YOU ATTEND

This activity is designed for cardiologists, cardiac surgeons, interventional cardiologists, anesthesiologists, sonographers, who require advanced training in 4D TTE and 4D TEE, and for those who want to understand the added value of 4D echocardiography to assess the anatomy and the pathophysiology of various heart diseases to plan surgical and interventional procedures.

QUESTIONS?

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SCIENTIFIC PROGRAM

Thursday, January 24th, 2019

08.30-09.00  Registration / coffee / snacks
09.00-09.30  Basics of 4D echocardiography  Luigi Badano
09.30-10.00  Acquisition of 4D data sets  Denisa Muraru
10.00-10.30  Display and post processing of 4D data sets  Denisa Muraru
10.30-11.00  Coffee
11.00-12.30  Hands-on session I: Acquisition of left heart structures using the matrix probe
(biplane, LV triplane and 4D full volume, 4D zoom, 4D color)
12.30-13.30  Lunch
13.30-13.45  Platinum Sponsor speaker | TOMTEC
13.45-14.00  Silver Sponsor speaker | CCI
14.00-15.00  The added value of 3D echo for assessing the mitral valve  Luigi Badano
15.00-15.30  The added value of 3D echo for assessing the aortic valve  Denisa Muraru
15.30-16.00  Coffee
16.30-17.30  Workstation Session: mitral valve quantification

08.30-09.00  Registration / coffee / snacks
09.00-09.30  How to implement 3DE in the routine of the echo lab  Luigi Badano
09.30-10.00  The added value of 3D echo for assessing cardiac masses  Denisa Muraru
10.00-10.30  4D stress echo  Luigi Badano
10.30-11.00  Coffee
11.00-12.30  Workstation Session: quantification of LV, RV, mitral valve and masses
12.30-13.30  Lunch
13.30-14.30  Mitral Clip and TAVI procedure  Luigi Badano
14.30-15.00  ASD and LAA closure  Denisa Muraru
15.00-15.30  Clinical cases showing the added value of 3D echo

Friday, January 25th, 2019

08.30-09.00  Registration / coffee / snacks
09.00-10.00  The added value of 3D echo for assessing the left ventricle  Luigi Badano
10.00-10.30  4D strain  Denisa Muraru
10.30-11.00  Coffee
11.00-12.30  The added value of 3D echo for assessing the left atrium  Denisa Muraru
12.30-13.30  Lunch
13.30-14.30  Work Station: LV and LA quantification
14.30-15.00  Q&A
15.00-15.30  Hands-on session: Acquisition of right heart structures
15.30-16.00  Coffee
16.00-16.30  More Hands-on
16.30-17.00  The added value of 3D echo for assessing the tricuspid valve  Luigi Badano

08.30-09.00  Registration / coffee / snacks
09.00-10.00  The added value of 3D echo for assessing the left ventricle  Luigi Badano
10.00-10.30  4D strain  Denisa Muraru
10.30-11.00  Coffee
11.00-12.30  The added value of 3D echo for assessing the left atrium  Denisa Muraru
12.30-13.30  Lunch
13.30-14.30  Work Station: LV and LA quantification
14.30-15.00  Q&A
15.00-15.30  Hands-on session: Acquisition of right heart structures
15.30-16.00  Coffee
16.00-16.30  More Hands-on
16.30-17.00  The added value of 3D echo for assessing the tricuspid valve  Luigi Badano

Saturday, January 26th, 2019

08.30-09.00  Registration / coffee / snacks
09.00-10.00  How to implement 3DE in the routine of the echo lab  Luigi Badano
09.30-10.00  The added value of 3D echo for assessing cardiac masses  Denisa Muraru
10.00-10.30  4D stress echo  Luigi Badano
10.30-11.00  Coffee
11.00-12.30  Workstation Session: quantification of LV, RV, mitral valve and masses
12.30-13.30  Lunch
13.30-14.30  Mitral Clip and TAVI procedure  Luigi Badano
14.30-15.00  ASD and LAA closure  Denisa Muraru
15.00-15.30  Clinical cases showing the added value of 3D echo

KEYNOTE SPEAKERS

LUIGI P. BADANO
MD, PhD, FESC, FACC
Prof Badano is Professor of cardiovascular imaging at the University of Padua School of Medicine, Padua, Italy and currently serves as the Director of the Echocardiography laboratory.

DENISA MURARU
MD, PhD
Denisa Muraru is a cardiologist currently working as a researcher and echocardiographer at the University of Padua (Italy) Chair of the Education Committee of the European Association of Cardiovascular Imaging (EACVI)