Medical Training Consultancy
Presents for the first time in KSA:

HOW AND WHY TO IMPLEMENT 3DE IN THE ROUTINE OF THE ECHOCARDIOGRAPHY LABORATORY

3D TTE and TEE practical course with live scanning and hands-on sessions on workstations

COURSE OVERVIEW

A basic and advanced interactive course about 3D echocardiography using different vendors and workstations to foster the implementation of 3D echocardiography imaging in the daily routine of the echo labs. This course includes live scanning sessions with expert guided hands-on sessions on workstations.

WHO SHOULD ATTEND

This activity is designed for cardiologists, cardiac surgeons, interventional cardiologists, anesthesiologists, sonographers, who require advanced training in 3D TTE and 3D TEE, and for those who want to understand the added value of 3D echocardiography to understand the anatomy and pathophysiology in various heart diseases and guide surgical and interventional procedures.
LEARNING OBJECTIVES

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

- Understand the added value of 3D 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 3D echocardiography information in the clinical decision making
- Assess cardiac chamber geometry and function using 3D echocardiography
- Use 3D echocardiography to perform quantitative analysis of heart valve morphology and function
- Define the most important clinical uses of 3D TTE and TEE
- Understand the role of 3D echocardiography in structural heart disease interventions
- Recognize the role of 3D echocardiography to assess the most common congenital heart defects
SCIENTIFIC PROGRAM
Day 1
Feb.20th, 2020

7:30-8:00  Registration
8:00-8:15  Welcome and Introduction
8:15-8:30  Sponsor Speaker
8:30-8:45  Sponsor Speaker
8:45-9:00  Sponsor Speaker

SESSION 1.1 - General principles of 3D echocardiography
9:00-9:30  Basics of 4D echocardiography  Dr. Luigi Badano
9:30-10:00 Acquisition of 4D data sets  Dr. Hani Mahmoud-Elsayed
10:00-10:30 Display and post processing of 4D data sets  Dr. Luigi Badano

10:30-11:00  Coffee break

SESSION 1.2
11:00-12:30  Hands-on session (Acquisition using models or knob ology on workstations)  Dr. Hani Mahmoud-Elsayed /Dr. Luigi

12:30-13:30  Lunch

SESSION 1.3 Added clinical value to assess cardiac chambers
13:30-14:00  Left ventricle  Dr. Luigi Badano
14:00-14:30  Right ventricle  Dr. Luigi Badano
14:30-15:00  Atria  Dr. Luigi Badano

15:00-15:45  Off line RV Tomtec workstation

15:45-16:15  Coffee break

SESSION 1.4 Workstation session.
16:15-17:15  Quantifying cardiac chamber geometry and function  Dr. Hani Mahmoud-Elsayed /Dr. Luigi
DAY 2
Feb. 21st, 2020

8:00-9:00   Feel Free to work on preferred workstation

SESSION 2.1 – Anatomy and function of cardiac valves
9:00-9:30   Mitral valve                       Dr. Luigi Badano
9:30-10:00  Aortic valve                     Dr. Luigi Badano
10:00-10:30 Tricuspid valve                 Dr. Luigi Badano

10:30-11:00 Coffee break

SESSION 2.2 Workstation session.
11:00-12:00 How to assess anatomy, geometry and function of cardiac valves
                     Dr. Hani Mahmoud-Elsayed /Dr. Luigi

12:00-13:00 Lunch

13:00-13:30 Off-line 2 D strain Tomtec workstation

SESSION 2.3 Congenital heart diseases
13:30-14:30 Simple congenital heart diseases (except ASD)   Dr. Luigi Badano
14:30-15:30 Anatomy of ASD/PFO and monitoring their closure
                     Dr. Hani Mahmoud-Elsayed

15:30-16:00 Coffee break

SESSION 2.4 Workstation session.
16:00-17:00 Bring your cases. Interactive discussion of clinical cases with the
                      faculty                     Dr. Hani Mahmoud-Elsayed /Dr. Luigi
DAY 3
Feb. 22nd, 2020

8:00-9:00  Feel Free to work on preferred workstation

SESSION 3.1 - Miscellanea
9:00-9:30  Cardiac masses  Dr. Luigi Badano
9:30-10:00 Stress echo or 3D strain  Dr. Luigi Badano
10:00- 10:30 How to implement 3DE in the routine of the echo lab?  Dr. Luigi Badano

10:30-11:00  Coffee break

SESSION 3.2 Workstation session.
11:00-12:30  You will be the teacher? Refresh about the use of the various software packages  Dr. Hani Mahmoud-Elsayed /Dr. Luigi

12:30-13:30 Lunch

13:30-14:15 Off-line 3D strain Tomtec workstation

SESSION 3.3 3DE in the cath lab
14:15-14:45  Monitoring Mitral-Clip procedure and assessing its results  Dr. Hani Mahmoud-Elsayed
14:45-15:45 Monitoring left atrial appendage closure  Dr. Hani Mahmoud-Elsayed
15:45-16:45 Closing remarks  Dr. Luigi Badano /Dr. Hani Mahmoud-Elsayed
KEYNOTE SPEAKERS

Luigi P. Badano, MD, PhD, FESC, FACC, Hon. FASE

Prof. Badano currently serves as a director of the cardiovascular imaging laboratory at the Istituto Auxologico Italiano, IRCCS, Milan (IT) and a professor of cardiology at the University of Milano-Bicocca, Milan, Italy. Prof. Badano’s clinical interests include native and prosthetic valvular heart disease, right ventricular and atrial function, with research interests in three-dimensional and deformation imaging echocardiography and cardiac mechanics. Prof. Badano is a member of the Italian Society of Cardiology, Italian Society of Cardiovascular Ultrasound, European Society of Cardiology, European Association of Cardiovascular Imaging, American College of Cardiology and the American Society of Echocardiography (ASE), a fellow of the European Society of Cardiology and the American College of Cardiology, and honorary fellow of the ASE. Prof. Badano is a regular invited speaker at annual ESC, ACC, ASE and Euro Echo scientific meetings.

He has more than 290 peer reviewed publications, authored 9 books about echocardiography and cardiovascular imaging and is past-president of the European Association of Cardiovascular Imaging. He is honorary member of the Hungarian society of cardiology, Romanian Society of Cardiology, Korean Society of Cardiology and British Society of Echocardiography. In 2013, he was awarded with the silver medal of the European Society of Cardiology for his clinical and research activity and his commitment as President of the European Association of Cardiovascular Imaging.
Dr. Hani Mahmoud-Elsayed is a Senior Clinical Fellow, Cardio-Vascular Imaging at the Queen Elizabeth Hospital, University Hospitals Birmingham, NHS Foundation Trust, UK. He is an EACVI/HIT & Education Committee Member at the Cardio-Vascular Imaging/Cardiology Department, Queen Elizabeth Hospital Birmingham. A member of the University Hospitals Birmingham NHS Foundation Trust, UK.

Dr. Hani got his MBBCh from Alexandria University, Egypt, in 2003, his MSc in Cardiology from Benha University, Egypt, in 2011 and MD in Cardiology from Al-Azhar University, Cairo, Egypt, in 2019.

Dr. Hani is board certified in Echocardiography, a FASE and previous Ambassador of “European Association of Cardio-Vascular Imaging” EACVI/HIT “Heart Imagers of Tomorrow” for Saudi Arabia. 2014-2016.

Dr. Hani is a committee member of the EACVI/Education 2018-2020 and committee member of the EACVI/HIT 2014-2016-2018-2020. He has 13 publications in internationally indexed journals and he is a Reviewer for different national as well as international journals. He has conducted many Echocardiography lectures & workshops locally and internationally. His main Interest is in: Advanced Echocardiography, 3D-TTE, 3D-TOE & Interventional TOE during structural cardiac interventions.
LOCATION

The Academy of Sciences
Bldg. No. 4253 Abi Said Al Khadri
King Faisal, Riyadh 13215/ Kingdom of Saudi Arabia

EVENT FEES

$1500/ SR 5624

PAYMENT METHOD

Please visit our website: www.echotraining.net

ACCREDITATION

Saudi Accreditation (In Process)
American Society of Echo: 12 Contact Hours of CEU Credit

FOOD AND BEVERAGES

Snacks, coffee, and lunch are offered

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