



EAE Teaching Course
Teaching course with live demonstrations
“New echocardiographic techniques for myocardial function imaging”

Organized by Bulgarian Society of Cardiology

5th – 7th April, 2012
Sofia, Bulgaria

Course directors: K. Hristova, JU. Voigt
Executive course directors: T. Katova, L. Badano, Y. Yotov

P R O G R A M

Learning objectives:

The course aims to provide high quality and authorized review of the used techniques and current clinical applications in the field of myocardial function imaging;

To give knowledge about the latest approaches on myocardial deformation and 3D echocardiography;

To provide the opportunity to learn update and have hands-on training with in-depth review of the subject with the pioneers of the field of echocardiography



This programme is accredited by the European Board for Accreditation in EBAC Cardiology (EBAC) for "12" hours of external CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

In compliance with EBAC/ EACCME guidelines, all speakers/ chairpersons participating in this programme have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CME activities.

Thursday, April 5th

- 11:00 - 15:30** **Registration**
- 15:30 - 15:35** **Welcome**
Assen Gudev
- 15:35 -15:45 **Introductory Lecture**
Imaging the heart with ultrasound
K Hristova
- 15:45- 16:00 Opening ceremony
Jens Uwe Voigt, Yoto Yotov, Luigi Badano
- 16:00-17:50** **Basics of Myocardial Function Imaging**
Chairpersons: Luigi Badano, Yoto Yotov
- 16:00-16:20 From fibre shortening to ejection
F Rademakers
- 16:20-16:40 How to measure myocardial deformation by ultrasound?
J D'hooge
- 16:40-17:00 How to do it in the clinic: Normal patterns and pitfalls
JU Voigt
- 17:00-17:20 Measuring myocardial deformation in 3Dimensions
L Badano
- 17:20-17:40 Magnetic Resonance Imaging: Competitive or Complementary?
F Rademakers
- 17:40-17:50 Discussion
- 18:00** **Welcome drink / 7th floor of the IEC/**

Friday, April 6th

- 8:30 -10:00** **Imaging Coronary Artery Diseases: Myocardial Function by Echo**
Chairpersons: Jens Uwe Voigt, Krasimira Hristova
- 8:30 - 8: 50 Beyond wall thickening: Deformation patterns in coronary
artery disease
JU Voigt
- 8:50- 9:10 Global and regional function in patients with AMI
K Hristova
- 9:10- 9:30 Stress echo, infarction and reperfusion injury
T Edvardsen
- 9:30-9:50 What does 3D add to stress echocardiography?
L Badano
- 9:50-10:00 Discussion
- 10:00-10:30** **Coffee- break**

10:30-12:00

Function Imaging of the Right Ventricle

Chairpersons: Frank Rademakers, Yoto Yotov

- 10:30-10:50 How to assess RV function in the clinic?
JU Voigt
- 10:50-11:10 RV function in congenital heart diseases and pulmonary hypertension
R Jurcut
- 11:10-11:30 RV function in systemic hypertension
K Hristova
- 11:30-11:50 RV and pulmonary circulation during exercise
A La Gerche
- 11:50-12:00 Discussion

12:00-13:00

Live case demonstration I

Chairpersons: Thor Edvardsen, Tzvetana Katova

- 12:00-12:20 Case 1. Regional Dysfunction by Speckle tracking
JU Voigt
- 12:20-12:40 Case 2. Global and Regional function by 3D echocardiography
L Badano
- 12:40-13:00 Case 3. Assessing RV function
Y Yotov

13:00-14:00

Lunch /7th floor of the IEC/

14:00-15:30

Cardiomyopathy and CRT

Chairpersons: Luigi Badano, Krasimira Hristova

- 14:00-14:20 Prognostic Value of Deformation Imaging in Ischemic cardiomyopathy
T Edvardsen
- 14:20-14:40 LV twist in physiology and disease
B Popescu
- 14:40-15:00 Dilated Cardiomyopathy: How to assess dyssynchrony in 2D
JU Voigt
- 15:00-15:20 Dilated Cardiomyopathy: How to assess dyssynchrony in 3D
S Kapetanakis
- 15:20-15:30 Discussion

15:30-16:00

Coffee – break

16:00-17:30

Assessing Hemodynamics and Ventriculo-Arterial Coupling

Chairpersons: Thor Edvardsen, Vera Yotova

- 16:00-16:20 Quantifying myocardial function in valvular heart disease
E Kinova
- 16:20-16:40 3D echo to assess congenital heart disease in children
I Velkovski
- 16:40-17:00 Speckle tracking echocardiography to assess patients with TGA
R Marinov
- 17:00-17:20 Ventriculo-arterial coupling: Clinical tools and diagnostic indications
A Fraser
- 17:20-17:30 Discussion

19:00

Gala dinner in Kempinski Hotel Zografski /Sofia Grand Hall/

The busses will leave from IEC at 18:00 h

Saturday, April 7th

8:30-10:00

Hypertrophy, Diastole & Atrial Deformation

Chairpersons: Alan Fraser, Tzvetana Katova

- 8:30-8:50 Diastolic Function: What is it and how to describe it best ?
JU Voigt
- 8:50-9:10 Diastolic Stress Testing
A La Gerche
- 9:10-9:30 LV function in hypertrophic disease
V Yotova
- 9:30-9:50 Assesment of left atrial function - Does it offer added value?
B Popescu
- 9:50-10:00 Discussion

10:00-10:30

Coffee - break

10:30-12:20

LV Function Assessment - With and without Contrast

Chairpersons: Jens Uwe Voigt, Tzvetana Katova

- 10:30-10:50 Myocardial Function Imaging in Private Practice
S Marchev
- 10:50-11:10 Quantifying LV Function - How good are we?
A Fraser
- 11:10-11:30 Contrast echo on evaluation of cardiac function -basic principles
Y Yotov
- 11:30-11:50 The role of Contrast enhanced 3D echocardiography
S Kapetanakis
- 11:50-12:10 A new approach to assess intraventricular flow
JU Voigt
- 12:10-12:20 Discussion

12:20-13:20

Live case demonstration II

Chairpersons: Bogdan Popescu, Sotir Marchev

- 12:20-12:40 Case 1. Assessing Diastolic Function
V Yotova
- 12:40-13:00 Case 2. Assessing Atrial Function
B Popescu
- 13:00-13:20 Case 3. Assessing Dyssynchrony
JU Voigt

13:20-13:30

Closing Remarks, Farewell

K Hristova, JU Voigt