

**3-5 April, 2014**  
**Kempinski Hotel Zografski, Sofia, Bulgaria**

## PRELIMINARY PROGRAM

### Course Directors:

Prof. Dr. Edyta Plonska-Gosciniak  
Prof. Jens-Uwe Voigt  
Dr. Krasimira Hristova

### ***Thursday, 3 April 2014***

#### Hall SOFIA 2

11:00 - 13:15	Registration
13:15 - 13:30	Welcome Prof. Dr. Edyta Plonska-Gosciniak, Prof. Jens-Uwe Voigt, Assoc. Prof. Yoto Yotov
<b>13:30 – 15:30</b>	<b>Session 1: Basic principles of cardiac function</b> Chairmen: Y. Yotov, JU Voigt
13:30 - 14:00	LV systolic function L. Herbots
14:00 - 14:30	Doppler based Velocity and Deformation Imaging to assess LV systolic function D.Vinereanu
14:30 - 15:00	Tracking based Velocity and Deformation Imaging to assess LV systolic function JU Voigt
15:00 - 15:30	LV diastolic function F. Rademakers
15:30 - 16:00	Coffee break
<b>16:00 – 18:00</b>	<b>Session 2: Morphology and Function Assessment with 3D Echo</b> Chairmen: K. Hristova, B. Cosyns
16:00 - 16:24	Acquiring and processing 3D echos: Tips and tricks from the expert M. Garbi
16:24 - 16:48	Approaching the impossible: 3D echo and RV function B. Cosyns
16:48 - 17:12	Where is the advantage? LV volume and function by 3D echo M. Garbi

17:12 - 17:36	Guiding treatment: 3D echo and valve disease J. Magne
17:36 - 18:00	Outlook: 3D functional imaging and more B. Cosyns
18:00 - 19:00	Welcome drink

***Friday, 4 April 2014***

Hall SOFIA 2

**8:30 – 10:30**

**Session 3: Evaluation of LV Function**

Chairmen: K. Hristova, E. Plonska-Gostiniak

8:30 - 8:50	The influence of LV shape on deformation imaging E. Donal
8:50 - 9:10	Function imaging in hypertrophic cardiomyopathy Y.Yotov
9:10 - 9:30	Aortic stenosis and aortic regurgitation: impact on cardiac mechanics J. Magne
9:30 - 9:50	Mitral stenosis and mitral regurgitation: impact on cardiac mechanics E. Donal
9:50 - 10:10	The influence of regional dysfunction: Assessing Dyssynchrony L. Herbots
10:10 - 10:30	LV during systemic diseases –the impact of MDI E. Plonska-Gostiniak

10:30 - 11:00 Coffee break

**Hands-on Workshop (Session sponsored by GE)**

Hall SOFIA 3

11:00 - 12:30 Speckle Tracking in clinical practice with JU Voigt

Hall SOFIA 2

Chairmen: Tz. Katova, D. Vinereanu

11:00 - 12:30 Clinical cases with demonstration

12:30 - 13:30 Lunch

**13:30 – 15:30**

**Session 4: Function Imaging in Ischemic Disease**

Chairmen: E. Kinova, D. Vinereanu

13:30 - 13:54	Secrets of post systolic shortening: The relation between deformation and function H. Skulstad
---------------	---

13:54 - 14:18	Strain and Strain Rate in ischemic disease L. E. Sade
14:18 - 14:42	Rotation, Twist and Torsion in ischemic disease D. Vinereanu
14:42 - 15:06	What does 3D echo add? K. Hristova
15:06 - 15:30	Function Imaging in stress echocardiography A. Salustri
15:30 - 16:00	Coffee break
<b>16:00 – 18:00</b>	<b>Session 5: RV function</b> Chairmen: S. Marchev, H. Skulstad
16:00 - 16:20	RV function assessment by echocardiography L. Herbots
16:20 - 16:40	“Small brother” of the LV? - RV physiology and pathophysiology JU Voigt
16:40 - 17:00	RV adaptation and remodeling in chronic RV volume loading E. Donal
17:00 - 17:20	RV adaptation and remodeling in chronic pressure loading JU Voigt
17:20 - 17:40	The RV in pulmonary hypertension
17:40 - 18:00	The systemic RV and RV in hypoplastic left heart syndrome O. Miller
20:00	Gala Diner

***Saturday, 5 April 2014***

Hall SOFIA 2

<b>8:30 – 10:30</b>	<b>Session 6: RV function assessment in adult CHD. Cardiotoxicity</b> Chairmen: I. Velkovski, W. Budts
8:30 - 8:50	The RV after TOF repair: what happens later? W. Budts
8:50 - 9:10	The univentricular heart and Fontan circulation: what are the problems and how can we recognize them? O. Miller
9:10 - 9:30	Should we assess mechanical dyssynchrony in the RV? H. Skulstad

9:30 - 9:50 Cardiac mechanics after arterial switch OP in TGA  
W.Budts

9:50 - 10:10 3D echo in congenital heart diseases  
O. Miller

10:10 - 10:30 Clinical application on MDI in patient after chemotherapy  
H. Skulstad

10:30 - 11:00 Coffee break

**Hands-on Workshop (Session sponsored by GE)**

Hall SOFIA 3

11:00 - 12:30 Speckle Tracking in clinical practice with JU Voigt

Hall SOFIA 2

11:00 - 12:30 Chairmen: N. Zlatareva, H. Skulstad  
Clinical cases with demonstration

**12:30 – 13:50**

**Session 7: Multimodality Imaging**

Chairmen: Y. Yotov, F. Rademakers

12:30 - 13:00 Multimodality imaging in CAD – what is the current role of cardiac MRI?  
F. Rademakers

13:00- 13:30 Tissue characterization – how can MRI assist?

13:30 - 13:50 Future development of multi-modality imaging and echocardiography  
F. Rademakers

13:50 - 14:00 Closing remarks