

## **Klinička primena 3D ehokardiografije**

### **A Practical Interactive Symposium on 3-Dimensional (3D) Echocardiography**

#### **DAY 1 (06.10.2016)**

##### **Session I 10.00 – 11:20**

Welcome and Opening of Symposium

1. Introduction
2. Ultrasound physics and 3D imaging modalities  
(X-Plane, live 3D, 3D zoom, Full volume dataset, Color Doppler)
3. Data acquisition and limitations
4. Heart model technology

##### **Welcome Cocktail 11.20 – 11.40**

##### **Session II 11.40- 12.40**

5. Transthoracic echocardiography
  - a. LV chamber quantification
    - volume, ejection fraction
    - regional function including cardiac dyssynchrony parameters
  - b. Mitral valve morphology/pathology

##### **Lunch Break 12.40-13.30**

##### **Session III 13.30- 14.30**

6. Transesophageal echocardiography
  - a. Valvular heart disease
    - mitral valve
    - aortic valve
    - prosthetic valves

## **Coffee Break 14.30-14.50**

## **Session IV 14.50-17.00**

### 7. Transesophageal echocardiography

b. Interventional procedures (patient selection, intraprocedural guidance, early detection of complications)

- transcatheter mitral valve repair
- transcatheter aortic valve implantation (TAVI)
- interatrial septum and ASD closure
- left atrial appendage closure

### 8. Illustrative cases: clinical decision making and surgical planning (60 min)

## **17:00 End of the first day**

## **DAY 2 (07.10.2016)**

## **Session V 10.00-12.00**

### QLAB training

#### 1. Image acquisition including a live demonstration

- a. Image optimization (depth, gain, compression)
- b. Artifacts

#### 2. QLAB functions

- a. Image orientation and cropping
- b. Multiplanar reconstruction (MPR), iSlice
- c. Quantification tools

## **Lunch Break 12.00-12.45**

## **Session VI 12.45-16.00 (including a 15-minute coffee break)**

QLAB data analysis on selected cases

Live scanning (transthoracic) session

## **Summary and Farewell 16:15-16:45**