

# Certification Course In Advanced Echocardiography

## *Principles of myocardial mechanics and three-dimensional imaging*

1. Only the registered attendees of the 30th Turkish Cardiology Congress with International Participation can apply for this Certification Course In Advanced Echocardiography.
2. Additional Fee for Course Registration is € 500.-
3. **Course registration** is limited for the first 20 applicants.

### **DAY One**

08:00-08:15

Welcome

#### **Session 1: Basic principles of myocardial mechanical imaging**

08:15-09:00 Tissue Doppler, displacement, strain, strain rate and speckle tracking.

09:00-09:30 Twist and rotation

09:30-09:45 Coffee-break

09:45-10:15 Novel approach to ventricle contraction; myocardial mechanical imaging

10:15-10:45 Quantification of quantify mechanical dyssynchrony

10:45-11:00 Coffee-break

11:00-11:40 Myocardial mechanical imaging in clinical cases-1: Valvular pathologies

11:40-12:20 Myocardial mechanical imaging in clinical cases-2: Heart failure and cardiomyopathies

12:10-12:45 Lunch

#### **Session-2: Three-dimensional echocardiography**

12:45-13:15 Principles and modalities in three-dimensional echocardiography, pitfalls in data acquisition

13:15-13:45 Recommendations for clinical usage of three-dimensional echocardiography

13:45-14:15 Three-dimensional echocardiographic evaluation of atrial septum and echocardiography guided ASD closure

14:15-14:30 Coffee-break

14:30-15:00 Echocardiography guided TAVI

15:00-15:30 Echocardiography guided Mitral-clip

15:30-16:00 Echocardiography for transcatheter closure of paravalvular leaks

16:00-16:15 Coffee-break

#### **Session-3: Practical Session**

16:15-18:00 Optimal image acquisition for three-dimensional echocardiography,

### **DAY Two**

#### **Session-4: Practical Session**

08:00-12:00

<b>Group A</b>	<b>Group B</b>
<i>Myocardial mechanical imaging</i>	<i>Three-dimensional imaging</i>
<i>Three-dimensional imaging</i>	<i>Myocardial mechanical imaging</i>