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

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<thead>
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<th>Group A</th>
<th>Group B</th>
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<td>Myocardial mechanical imaging</td>
<td>Three-dimensional imaging</td>
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