

**Up-To-Date 4D Echocardiography:
Intensive hands-on 4D TTE and TOE echo course**

October 03-04th 2020

Course program

Course Directors

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- Papadopoulos Konstantinos MD, PhD, FEACVI, Cardiologist, Echocardiography Lab, European Interbalkan Center Thessaloniki, Greece

1st Day: Chambers evaluation

08:00-08:30	Welcome: Connection of participants to EchoPAC
08:30-09:00	Basics of 4D echocardiography. How to apply the method in routine practice
09:00-10:00	<i>Workstation session I:</i> Introduction in EchoPAC workstation
10:00-10:30	How to assess left ventricle and left atrium with 4D
10:30-11:00	<i>Coffee break</i>
11:00-11:45	<i>Live session I:</i> LV acquisition and assessment
11:45-13:30	<i>Workstation session II:</i> LV/LA assessment (<i>Multislice, Triplane, 4D AutoLVQ, 4D AutoLAQ, AFI LA</i>)
13:30-14:30	<i>Lunch Break</i>
14:30-15:00	How to assess left ventricle with 2D AFI, triplane AFI Myocardial work, 4D strain
15:00-16:00	<i>Workstation session III:</i> LV assessment (<i>triplane AFI-Myocardial work, 4D strain</i>)
16:00-16:30	<i>Coffee break</i>
16:30-17:00	Evaluation of right ventricle by 4D echocardiography
17:00-17:30	<i>Live session II:</i> RV acquisition
17:30-18:30	<i>Workstation session IV:</i> RV assessment

2nd Day: Valvular assessment

09:00-09:15	4D Aortic valve assessment – TAVI preparation
09:15-10:00	Mitral valve assessment
10:00-10:30	<i>Workstation session V: AoV analysis</i>
10:30-10:45	<i>Coffee break</i>
10:45-11:00	<i>Live session IV: acquisition of MV by TTE</i>
11:00-13:00	<i>Workstation session VI: MV analysis (4D zoom-full volume TTE and TOE, 4D AutoMVQ, Flexislice for VCA and MVA in mitral stenosis, Understanding DMR and FMR cases)</i>
13:00-14:00	<i>Lunch break</i>
14:00-14:45	4D Tricuspid valve assessment
14:45-15:45	<i>Workstation session VII: TV analysis (4D zoom, Full volume, 4D AutoTVQ)</i>
15:45-16:15	<i>Coffee break</i>
16:15-16:45	ASD evaluation and guidance for amplatzer devices implantation
16:45-17:30	Assessment and guidance for transcatheter mitral valve leaflet repair

End of course