

NEW: 4D Echo & Multidimensional Imaging 4D TTE and 4D TEE in clinical practice

A basic and advanced practical interactive course about 4D Echo using Vivid™ E95 and EchoPAC™ 4D Workstation, assessed by new echocardiographic techniques for the clinical practice, to help echocardiographers who wish to implement 4D Echo imaging in the routine of their Echo-lab.

Day 1

12:00 - 13:00	Lunch Break	
13:00 - 13:30	Physics of 4D echocardiography	L. Badano
13:30 - 14:00	Live -> Dataset acquisition Multi-Dimensional Imaging - Bi-Plane, Tri-Plane	A. Hagendorff
14:00 - 15:00	Vivid hands-on session I: Dataset acquisition Multi-Dimensional Imaging - Bi-Plane, Tri-Plane	All
15:00 - 15:15	Coffee Break	
15:15 - 16:00	4D Assessment of LV cavities (Ventricle and Atrium) Advanced 4D quantification of LV and LA	A. Hagendorff
16:00 - 16:45	Workstation session I: AFI 2D & Tri-Plane on EchoPAC™	L. Badano
16:45 - 17:15	Live -> Dataset Acquisition Ventricles	J. D. Kasprzak
17:15 - 18:45	Vivid hands-on session II: Dataset acquisition Cavities	All

Day 2

09:00 - 09:45	4D TEE/TTE: indications and guidelines	J. D. Kasprzak
09:45 - 10:30	4D assessment of LV and LA + strain	A. Hagendorff
10:30 - 11:00	4D RV Assessment	L. Badano
11:00 - 11:15	Coffee Break	
11:15 - 12:15	Workstation session II: 4D Auto RVQ	A. Hagendorff
12:15 - 13:00	Aortic Valve & Mitral Valve disease	A. Hagendorff
13:00 - 14:00	Lunch Break	
14:00 - 14:45	Tricuspid and pulmonic valve disease	L. Badano
14:45 - 15:15	Live -> Dataset Acquisition Valves	L. Badano
15:15 - 16:15	Vivid hands-on session III: data acquisition Valves	All
16:15 - 16:30	Coffee Break	
16:30 - 17:30	Workstation session III: 4D LVQ, mass, strain	J. D. Kasprzak
17:30 - 18:30	Workstation session IV: Valves navigation and 4D MVQ Tool	L. Badano

Day 3

09:00 - 09:45	Workstation Session V: Cardiac Anatomy – Understand 4D-TTE and 4D-TEE data sets	A. Hagendorff
09:45 - 10:15	4D Imaging of septal defects	J. D. Kasprzak
10:15 - 10:45	The advantages of analysing the aortic/mitral valve with 4D-TEE in comparison to conventional TTE	A. Hagendorff
10:45 - 11:00	Coffee Break	
11:00 - 12:00	Workstation session VI: Analysis of 4D TEE data sets: cardiac valves: Mitral Valve	L. Badano
12:00 - 13:00	Lunch Break	
13:00 - 14:15	Workstation session VII: Analysis of 4D TEE data sets: cardiac valves: Aortic, Tricuspid, septal defects & LAQ	J. D. Kasprzak
14:15 - 15:15	Echo-guided interventions	J. D. Kasprzak