

Basic Teaching Course - Saturday 11.09.2010

Room: Kurland II - Registration 08:00 - 08:45

08:45
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09:00

Welcome and Introduction

Pascal Colson, Joachim Erb

09:00
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11:00

Getting started

Chairman: Bettina Jungwirth, Jan Hultman

09:00 - 09:30 Joachim Erb

Basic physics of ultrasound and image generation

09:30 - 10:00 Erik Sloth

Basic transthoracic imaging planes

10:00 - 10:30 Jan Hultman

Generating the first TOE images: Eight basic standard planes

10:30 - 11:00 Justin Williams

Basics of Doppler echocardiography

11:00 - 11:30

Coffee/Tea - Exhibition

11:30
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13:00

Hands-on: Getting a feel

Sue Wright - Heartworks

Station A: TOE simulator basic planes (Arkadia-Urania)

Erik Sloth, faculty

Station B: TTE Hands-on basic planes (Berlin-Urbino)

Joachim Erb, faculty

Station C: Knobology at echo machines (Ceres)

13:00 - 14:00

Lunch

14:00
-
15:30

Aortic valve and ventricular function

Chairman: Erik Sloth, Justin Williams

14:00 - 14:30 Justiaan Swanevelder

Echo anatomy and basic examination of the aortic valve

14:30 - 15:00 Bettina Jungwirth

Introduction into global LV function assessment: EF, FAC, SV

15:00 - 15:30 Manfred Seeberger

Assessment of regional wall motion abnormalities

15:30 - 16:00

Coffee/Tea - Exhibition

16:00
-
18:00

Hands-on: aortic valve and ventricular function

Sue Wright - Heartworks

Station A: TOE simulator LV and aortic valve (Arkadia-Urania)

Erik Sloth, faculty

Station B: TTE global LV function assessment (Berlin-Urbino)

Manfred Seeberger

Station C: Global and regional LV function assessment (Neuzirat)

Advanced Special Course - Saturday 11.09.2010

Room: Kurland III - Registration 08:00 - 08:45

08:45 - 09:00	Welcome and Introduction	Pascal Colson, Joachim Erb
09:00 - 11:00	Advanced ventricular function assessment workshop	Chairman: Heinz Tschernich, Jens-Uwe Voigt
09:00 - 09:25	Fabio Guarracino	Systolic function assessment by the expert examiner: what to assess?
09:25 - 09:55	Patrick Wouters	Myocardial motion and deformation - interpretation of parameters and curves!
09:55 - 10:30	Heinz Tschernich	Systolic function and speckle tracking- the second dimension in myocardial deformation assessment
10:30 - 11:00	Jens-Uwe Voigt	Regional ventricular function assessment - get "the kick" from 2D strain & Tissue Doppler
11:00 - 11:30		Coffee/Tea - Exhibition
11:30 - 13:00	Advanced diastology workshop	Chairman: Patrick Wouters, Bogdan Popescu
11:30 - 12:00	Aleksander Neskovic	Conventional parameters of diastolic function
12:00 - 12:30	Patrick Wouters	Tissue Doppler measurements of diastolic function: how to do it right!
12:30 - 13:00	Jens-Uwe Voigt	A new echocardiographic view on diastolic haemodynamics
13:00 - 14:00		Lunch
14:00 - 15:30	Hands-on: ventricular function and diastology workshops	
	Heinz Tschernich, faculty Patrick Wouters, faculty	Station A: Advanced ventricular function (Neuosier) Station B: Diastology (Neuzirat)
15:30 - 16:00		Coffee/Tea - Exhibition
16:00 - 18:00	Right ventricle	Chairman: Isabelle Michaux, Joerg Ender
16:00 - 16:45	Karen McCarthy	Anatomy of the right ventricle
16:45 - 17:30	Isabelle Michaux	How to evaluate the right ventricle: are there reliable standard parameters?
17:30 - 18:00	Heinz Tschernich	The role of tissue Doppler and 2D-strain in evaluating RV function

Basic Teaching Course - Sunday 12.09.2010

Room: Kurland II - Registration 08:00 - 09:00

09:00
-
11:00

Mitral valve, principles in valvular dysfunction, image optimisation

Chairman: Marco Ranucci, Chiroit Mukherjee

09:00 - 09:30 Joachim Erb
09:30 - 10:15 Dominique Bettex
10:15 - 10:45 John Kneeshaw
10:45 - 11:00

Applied physics and knobology: how to optimise your echo image
Echo anatomy and basic examination of the mitral valve
General principles in evaluating valvular insufficiency and stenosis
Questions and answers

11:00 - 11:30

Coffee/Tea - Exhibition

11:30
-
13:00

Hands-on: mitral valve, valvular dysfunction, knobs

Sue Wright - Heartworks
John Kneeshaw, Dominique Bettex

Station A: TOE simulator mitral valve (Arkadia-Urania)
Station B: Evaluating insufficiency and stenosis
(Neuosier/Neuzirat)

Joachim Erb, faculty

Station C: Image optimisation at echo machines (Ceres)

13:00 - 14:00

Lunch

14:00
-
15:30

Right heart, atria, connecting and surrounding structures

Chairman: Bettina Jungwirth, Rob Feneck

14:00 - 14:30 Bettina Jungwirth
14:30 - 15:00 Isabelle Michaux
15:00 - 15:30 Justin Williams
15:30 - 16:00 Jan Hultman

Echo anatomy and basic examination of right heart valves
Introduction into RV function assessment
Atria, great vessels, pericardium
Comprehensive TOE Examination

16:00 - 16:30

Coffee/Tea - Exhibition

16:30
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18:00

Hands-on: comprehensive TOE examination and quiz

Sue Wright - Heartworks

Station A: Comprehensive exam at the TOE simulator
(Arkadia-Urania)

Jan Hultman
Erik Sloth

Station B: Reviewing a comprehensive exam (Neuosier)
Station C: Interesting cases where FATE makes a difference

Advanced Special Course - Sunday 12.09.2010

Room: Kurland III - Registration 08:00 - 09:00

09:00 - 11:00	Mitral valve workshop: complex repairs	Chairman: Fabio Guarracino, Justiaan Swanevelder
	09:00 - 09:30 Thomas Buck 09:30 - 10:00 Joerg Ender 10:00 - 10:30 Federico Pappalardo 10:30 - 11:00 Fabio Guarracino	Advanced assessment of mitral valve pathology MVR with chordal transfer or artificial chordae: what to judge by TOE Mitral valve repair using the Alfieri technique: how to assess by TOE Noninvasive mitral valve repair: How does TOE help to get it right
	11:00 - 11:30	Coffee/Tea - Exhibition
11:30 - 13:00	Aortic root and ascending aorta workshop	Chairman: Justiaan Swanevelder, Manfred Seeberger
	11:30 - 12:00 Andrzej Sosnowski 12:00 - 12:30 Justiaan Swanevelder	AV bioprosthesis, AV and ascending aorta reconstructive surgery TOE evaluation in AV bioprosthesis and AV and ascending aorta reconstruction surgery
	12:30 - 13:00 Justin Williams	Complications of stentless AV, root and ascending aortic surgery
	13:00 - 14:00	Lunch
14:00 - 15:30	3 D Workshop	Chairman: Joerg Ender, Thomas Buck
	14:00 - 14:30 Thomas Buck 14:30 - 15:00 Chiroit Mukherjee 15:00 - 15:30 Manfred Seeberger	Mitral Valve Assessment: How to get the maximum out of it. Aortic, Pulmonary, Tricuspid Valves: what does 3D offer 3 D assessment of ventricular function and volumes
	15:30 - 16:00	Coffee/Tea - Exhibition
16:00 - 18:00	Hands-on: 3 D Workshop	Chairman: Joerg Ender, Thomas Buck
	Thomas Buck, faculty Joerg Ender, faculty	Station A: Hands on 3D TTE image aquisition (Berlin - Ceres) Station B: Offline 3D assessment of valvular function, ventricular volumes and ventricular function (Neuzirat)

Accreditation Course - Monday 13.09.2010

Room: Kurland II & III - Registration 08:00 - 08:45

08:45
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09:00

Welcome and Introduction (Pascal Colson, Andreas Hagendorff)

09:00
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11:00

Brush-up on basics and examination skills

Chairman: Pascal Colson, Isabelle Michaux

09:00 - 09:30 Joachim Erb
09:30 - 10:10 Jan Hultman
10:10 - 10:40 Joachim Erb
10:40 - 11:00 Rob Feneck

Review physics, advanced applications
Comprehensive TOE examination, normal values and measurements
Review Doppler, advanced applications in calculations
Indications, safety and complications

11:00 - 11:30

Coffee/Tea - Exhibition

11:30
-
13:00

Assessment of ventricular function Chairman: Andreas Hagendorff, Jan Hultman

11:30 - 12:00 Fabio Guarracino
12:00 - 12:30 Patrick Wouters
12:30 - 13:00 Isabelle Michaux

Assessment of LV systolic function
Assessment of LV diastolic function (introduction into basic tools)
Assessment of RV function

13:00 - 14:00

Lunch

14:00
-
15:30

TOE in aortic and aortic valve disease Chairman: Bogdan Popescu, Erik Sloth

14:00 - 14:30 Aleksander Neskovic
14:30 - 15:00 Justiaan Swanevelder
15:00 - 15:30 Rob Feneck

Aortic valve stenosis
Aortic valve insufficiency
Ascending / descending aortic pathology

15:30 - 16:00

Coffee/Tea - Exhibition

16:00
-
18:00

If things look different than usual Chairman: John Kneeshaw, Heinz Tschernich

16:00 -16:30 Bernd Opgen-Rhein
16:30 -17:00 Bogdan Popescu
17:00 -18:00 Chiroit Mukherjee, faculty

Congenital heart disease and catheter based procedures
Cardiac masses, tumours, pericardial disease
Echo contest

Accreditation Course - Tuesday 14.09.2010

Room: Kurland II & III - Registration 08:00 - 09:00

09:00 - 11:00	Mitral valve	Chairman: Dominique Bettex, Marco Ranucci
09:00 - 09:30 Dominique Bettex	Mitral valve examination: how to get these leaflets sorted!	
09:30 - 10:00 Joerg Ender	Mitral valve insufficiency	
10:00 - 10:30 Andreas Hagendorff	Mitral valve stenosis	
10:30 - 11:00 Federico Pappalardo	TOE evaluation of mitral valve repair using standard surgical techniques	
11:00 - 11:30	Coffee/Tea - Exhibition	
11:30 - 13:00	Right sided valves, pulmonary hypertension, prosthetic valves	Chairman: Rob Feneck, Federico Pappalardo
11:30 - 12:00 Bogdan Popescu	Tricuspid and pulmonary valve	
12:00 - 12:30 Andreas Hagendorff	Echocardiographic evaluation of pulmonary hypertension	
12:30 - 13:00 Dominique Bettex	How to evaluate prosthetic valves	
13:00 - 14:00	Lunch	
14:00 - 16:00	TOE Real or Fake? Endocarditis, artefacts and illusions	Chairman: Andreas Hagendorff, Aleksander Neskovic
14:00 - 14:30 John Kneeshaw	Endocarditis	
14:30 - 15:00 Joachim Erb	Artefacts, illusions, pitfalls	
15:00 - 15:40 Marco Ranucci	Haemodynamic calculations	
15:40 - 16:00 Rob Feneck	The EACTA/EAE accreditation process	
16:00 - 16:30	Coffee/Tea - Closure	