Basic Course, Saturday, 7th September, 2013

Day 1

08:00 - 9:15 Registration

09:15 - 9:20 Welcome and introduction   Pascal Colson & Patrick Wouters

Session 1	**Basics**	
09:20 - 10:00	Basic physics of US and Doppler	Joachim Erb (Basel, Switzerland)
10:00 - 10:30	Basic anatomy : TEE views	Pascal Colson (Montpellier, France)
10:30 - 11:00	Basic anatomy : TTE views	Erik Sloth (Aarhus, Denmark)

11:00 - 11:30 Coffee break

Session 2 **Workshop and Hands-on session**
Workshop   Instructors : Roland Demaria & Guillaume Captier (Montpellier France)

	Situs Thoracic	**Right heart**	**Left heart**
11:30 - 12:00	**A1**	**A3**	**A2**
12:00 - 12:30	**A2**	**A1**	**A3**
12:30 - 13:00	**A3**	**A2**	**A1**

Hands-on	**Standard TTE**	**TOE views**	**Optimizing images**
	Erik Sloth	Géraldine Culas	Joachim Erb
11:30 - 12:00	**B1**	**B3**	**B2**
12:00 - 12:30	**B2**	**B1**	**B3**
12:30 - 13:00	**B3**	**B2**	**B1**

13:00 - 14:00 Lunch

Session 3 **Workshop and Hands-on session**
Workshop   Instructors : Roland Demaria & Guillaume Captier (Montpellier France)

	Situs Thoracic	**Right heart**	**Left heart**
14:00 - 14:30	**B1**	**B3**	**B2**
14:30 - 15:00	**B2**	**B1**	**B3**
15:00 - 15:30	**B3**	**B2**	**B1**

Hands-on	**Standard TTE**	**TOE views**	**Optimizing images**
	Erik Sloth	Géraldine Culas	Joachim Erb
14:00 - 14:30	**A1**	**A3**	**A2**
14:30 - 15:00	**A2**	**A1**	**A3**
15:00 - 15:30	**A3**	**A2**	**A1**

15:30 - 16:00 Coffee break

Session 4	**Anatomy and function : valves**	
16:00 - 16:45	The mitral valve	Dominique Bettex (Zürich, Switzerland)
16:45 - 17:30	The aortic valve	Chirojit Mukkerjee (Leipzig, Germany)

Echo Quiz

17:30 – 18:30	Standard views	Faculty

Basic Course, Sunday, 8th September, 2013

Day 2

Session 5   Anatomy and function : ventricles
08:30 - 09:15 Left ventricle   Joost van der Maaten (Groningen, The Netherlands)
09:15 - 10:00 Right ventricle   Donna Greenalgh (Manchester, UK)
10:00 - 10:30 Interactive session   JvdM, DG

10:30 - 11:00 Coffee break

Session 6
11:00 - 11:30 Atria, great vessels, pericardium   Henry Skinner (Nottingham, UK)

Workshop   Haemodynamics
Group A   Theory
11:00 – 11:30 Doppler measurements and flow patterns   Patrick Wouters (Gent, Belgium)
11:30 – 12:00 Haemodynamic calculation : CO, EF,…   Jacob Eliet (Montpellier, France)
12:00 - 12:30 Preload assessment   Laurent Muller (Nîmes, France)

Group B	**Practice**		
	Doppler and flow	**Systolic function**	**Diastolic function**
	Erik Sloth	Géraldine Culas	Miograd Filipovic
11:30 - 12:00	**B1**	**B3**	**B2**
12:00 - 12:30	**B2**	**B1**	**B3**
12:30 - 13:00	**B3**	**B2**	**B1**

13:00 - 14:00 Lunch

Session 7
14:00 - 14:30 Comprehensive TEE examination   Peter Rosseel (Breda, The Netherlands)

Workshop   Haemodynamics
Group B   Theory
14:30 - 15:00 Doppler measurements and flow patterns   Patrick Wouters (Gent, Belgium)
15:00 - 15:30 Haemodynamic calculation : CO, EF,…   Jacob Eliet (Montpellier, France)
15:30 - 16:00 Preload assessment   Laurent Muller (Nîmes, France)

Group A	**Practice**		
	Doppler and flow	**Systolic function**	**Diastolic function**
	Erik Sloth	Géraldine Culas	Miograd Filipovic
14:30 - 15:00	**A1**	**A3**	**A2**
15:00 - 15:30	**A2**	**A1**	**A3**
15:30 - 16:00	**A3**	**A2**	**A1**

16:00 - 16:30 Coffee break

Session 8   Safety
16:30 - 17:00 Safe TEE   Géraldine Culas (Montpellier, France)
17:00 – 17:30 Reporting TEE   Fabio Guarracino (Pisa, Italy)
17:30 – 18:00 Pitfalls, artifacts, variants   Steven Konstadt (New York, USA)

Advanced Course, Saturday, 7th September, 2013

Day 1

08:00 - 9:15 Registration

09:25 - 9:30 Welcome and introduction   Pascal Colson & Patrick Wouters

Session 1   More images...

09:30 - 10:00 Myocardial motion and deformation   Patrick Wouters (Gent, Belgium)

10:00 - 10:30 TDI and speckle tracking   Géraldine Culas (Montpellier, France)

10:30 - 11:00 Clinical applications   PW, GC

11:00 - 11:30 Coffee break

Session 2   3D ECHO

11:30 - 12:00 Principles and modalities of 3D echo   Chirojit Mukkerjee (Leipzig,Germany)

12:00 - 12:30 Mitral valve   Ivan Philip (Paris, France)

12:30 - 13:00 Left/right ventricle function   Jörg Ender (Leipzig,Germany)

13:00 - 14:00 Lunch

Session 3   Echo in transcatheter procedures

14:00 - 14:30 Echo TAVI   Jens Fassl (Basel, Switzerland)

14:30 - 15:00 Mitral clip procedures   Chirojit Mukkerjee (Leipzig,Germany)

15:00 - 15:30 Misadventures and complications   JF, CM

15:30 - 16:00 Coffee break

Session 4   GUCH

16:00 - 16:30 Anatomy and surgical repair   Pascal Amedro (Montpellier, France)

16:30 - 17:00 ECHO in GUCH   Xaver Iriart (Bordeaux, France)

17:00 – 18:00 Interactive session   PA, XI

Advanced Course, Sunday, 8th September, 2013
Day 2

Session 5   **Tips and tricks in the ICU**

08:30 - 09:00 Right ventricle failure   André Denault (Montréal, Canada)

09:00 - 09:30 Left ventricle diastolic dysfunction   Miograd Filipovic (St Gallen, Switzerland)

09:30 – 10:00 Right/left ventricle dependence   Isabelle Michaux (Yvoir, Belgium)

10:00 – 10:30 Interactive session   AD, MF, IM

10:30 - 11:00 Coffee break

Session 6   **Tips and tricks in the OR**

11:00 - 11:30 The mitral valve   Fabio Guarracino (Pisa, Italy)

11:30 – 12:00 The aortic valve   Justiaan Swanevelder (Cape Town, SA)

12:00 – 12:30 The tricuspid valve   Jens Fassl (Basel, Switzerland)

12:30 - 13:00 Interactive session   FG, JS, JF

13:00 - 14:00 Lunch

Session 7   **Beyond the heart**

14:00 - 14:30 The aorta   Steven Konstadt (NewYork, USA)

14:30 – 15:00 TEE and extracardiac disorders   André Denault (Montréal, Canada)

15:00 – 15:30 UltraSound ABCD   Erik Sloth (Aarhus, Denmark)

15:30 - 16:00 Coffee break

Session 8   **ECHO and Cardiac assistance**

16:00 - 16:30 ECHO / ECMO (follow-up, weaning)   Philippe Gaudard (Montpellier, France)

16:30 – 17:00 ECHO and LVAD (Heart mate, ...)   Astrid Quesard (Paris, France)

17:00 – 17:30 Interactive session   DG, PG, AQ

Certification Course, Monday, 9th September, 2013
Day 1

07:45 - 08:45 Registration

08:50 - 09:00 Welcome   Patrick Wouters & Gilbert habib

Session 1
09:00 - 09:30 Physics and Knobology
                                    Joachim Erb (Basel, Switzerland)
09:30 - 10:00 Comprehensive TOE examination, measurements, normal values
                                    Justiaan Swanevelder (Cape Town, South Africa)
10:00 - 10:30 Newer echo technologies: tissue Doppler, strain, 3D ..
                                    Gilbert Habib (Marseille, France)

10:30 - 11:00 Coffee Break

Session 2
11:00 - 11:30 Global LV systolic function, including strain and tissue Doppler
                                    Joost van der Maaten (Groningen, The Netherlands)
11:30 - 12:00 LV Diastolic function
                                    Patrick Wouters (Gent, Belgium)
12:00 - 12:30 RV function
                                    Isabelle Michaux (Yvoir, Belgium)
12:30 - 13:00 Hemodynamic evaluation and volemia
                                    Laurent Muller (Nîmes, France)

13:00 - 14:00 Lunch

Session 3
14:00 - 14:30 Indications, safety, and complications of TEE
                                    Géraldine Culas (Montpellier, France)
14:30 - 15:00 Cardiac masses and tumors; TEE and sources of embolism
                                    Bodgan Popescu (Bucharest, Bulgaria)
15:00 - 15:30 Congenital heart disease
                                    Pascal Amedro (Montpellier, France)
15:30 - 16:00 Artifacts and pitfalls

                                    Joachim Erb (Basel, Switzerland)

16:00 - 16:30 Coffee Break

Session 4
16:30 - 17:00 Doppler, clinical applications in calculations
                                    John Kneeshaw (Cambridge, UK)
17:30 - 18:30 Echo quiz

                                    Faculty

Certification Course, Tuesday, 10th September, 2013

Day 2

Session 5

08:30 - 09:15 Mitral valve : pathologogy and repair
                                           Dominique Bettex (Zürich, Switzerland)
09:15 - 10:00 Aortic valve : pathologogy and repair
                                           Henry Skinner (Nottingham, UK)
10:00 - 10:30 Tricuspid and pulmonary valves
                                           Bodgan Popescu (Bucharest, Bulgaria)

10:30 - 11:00 Coffee Break

Session 6

11:00 - 11:30 Evaluation of prosthetic valves
                                           Jorg Ender (Leipzig, Gremany)
11:30 - 12:00 Endocarditis
                                           Ivan Philip (Paris, France)
12:00 - 12:30 Pathologies of the aorta
                                           Justiaan Swanevelder (Cape Town, South Africa)
12:30 - 13:00 Regional LV function - Ischaemia
                                           Manfred Seeberger (Basel, Switzerland)

13:00 - 14:00 Lunch

Session 7

14:00 - 14:30 TEE for placement of ASD closure devices, TAVI, mitraclip
                                           Eric Brochet (Paris, France)
14:30 - 15:00 Tamponade and pericardial disease

15:00 - 15:30 Reporting on intraoperative TEE
                                           John Kneeshaw (Cambridge, UK)
15:30 - 16:00 EACTA/EAE Accreditation & Certification process
                                           John Kneeshaw (Cambridge, UK)

16:00 - Coffee and Goodbye