

**2nd European
Echocardiography Course on Congenital Heart Disease
10-13/10/2007**

PROGRAM

Introduction to Echocardiography and Congenital Heart

Disease: Principles of cardiac ultrasound techniques, Echocardiographic - morphological correlations with specimen / heart model demonstrations

Wednesday 10/10

09.00 – 09.30 Basic principles of ultrasound imaging

Piet Claus, Leuven

09.30 – 10.00 Doppler techniques and quantification

Bart Bijmens, Zagreb

10.30 – 11.10 Systolic ventricular function – right / left ventricle (incl. case presentation)

David Coleman, Dublin

COFFEE: 11.10 – 11.40

11.40 – 12.30 Diastolic ventricular function - pericardial effusion, tamponade, and constriction versus restriction (incl. case presentation)

Luc Mertens, Leuven

LUNCH: 12.30 – 13.30

13.30 – 14.30 Echo-morphological correlations I: Segmental approach to normal and abnormal situs arrangement

Morphology / Echocardiography

Robert Anderson, London / Jan Marek, London

14.30 – 15.30 Echo-morphological correlations II: Atrial and atrioventricular septal defects

Morphology / Echocardiography

Andrew Cook, London / Folkert Meijboom, Rotterdam

COFFEE: 15.30 – 16.00

16.00 – 17.00 Echo-morphological correlations III: Heart with univentricular AV connection

Morphology / Echocardiography

Robert Anderson, London / David Coleman, Dublin

17.00 – 18.00 Echo-morphological correlations IV: Ventricular septal defects

Morphology / Echocardiography

Andrew Cook, London / Viktor Tomek, Prague

Thursday 11/10

09.00 – 10.00 Echo-morphological correlations V: Left ventricular outflow tract obstruction

Morphology / Echocardiography

Robert Anderson, London / Viktor Tomek, Prague

10.00 – 11.00 Echo-morphological correlations VI: Right ventricular outflow tract obstruction

Morphology / Echocardiography

Andrew Cook, London / Luc Mertens, Leuven

COFFEE: 11.00 – 11.30

11.30 – 12.30 Echo-morphological correlations VII: Double-outlet right ventricle

Morphology / Echocardiography

Robert Anderson, London / Manfred Vogt, Munich

12.30 – 13.30 Echo-morphological correlations VIII: Complete transposition

Morphology / Echocardiography

Andrew Cook, London / Andre Bozio, Lyon

LUNCH: 13.30 – 14.30

14.30 – 15.30 Echo-morphological correlations IX: Congenitally corrected transposition

Morphology / Echocardiography

Robert Anderson London, / John Simpson, London

15.30 – 16.30 Echo-morphological correlations X: Intrapericardial arterial trunk anomalies

Morphology / Echocardiography

Andrew Cook, London / Ulrike Salzer, Vienna

16.30 – 17.00 Echo-morphological correlations X: Aortic arch anomalies

Morphology / Echocardiography

Robert Anderson, London / Stephen Sanders, Rome

Pitfalls in Clinical Paediatric Echocardiography

Friday 12/10

Coronary Arteries in Congenital Heart Disease

09.00 – 09.20 Coronary arteries – how they are formed

Robert Anderson, London

09.20 – 09.40 Anomalous origins – hundred percent echocardiographic diagnoses?

Sachin Khambadkone, London

09.40 – 10.00 Coronary arteries in transposition and double-outlet right ventricle – can we see them?

Andre Bozio, Lyon

10.00 – 10.20 Kawasaki disease – Imaging modalities

Edgar Jaeggi, Toronto

COFFEE: 10.20 – 10.40

Small Ventricle – How Small?

10.40 – 11.10 Small left ventricle

Jan Marek, London

11.10 – 11.40 Small right ventricle

Stephen Sanders, Rome

11.40 – 12.10 Ventricular size and volume - any objective assessment?

Andrew Taylor, London

LUNCH: 12.10 – 13.00

Functional Echocardiographic Assessment in Congenital Heart Disease

13.00 – 13.20 Functional assessment in functionally single ventricle – does it matter?

Luc Mertens, Leuven

13.20 – 13.40 Echocardiographic assessment after cavopulmonary connection – what to see and how often?

Folkert Meijboom, Rotterdam

13.40 – 14.00 Stress echocardiography – is there a place for it?

Dennis Pellerin, London

14.00 – 14.20 Pulmonary hypertension – what to measure?

Ales Linhart, Prague

14.20 – 14.50 Contrast echocardiography – why, how and when

Dennis Pellerin, London

COFFEE: 14.50 – 15.10

Perioperative Echocardiography in Congenital Heart Disease

15.10 – 15.30 Any need for preoperative transoesophageal echocardiography?

Manfred Vogt, Munich

15.30 – 15.50 Intraoperative echocardiography: none, on request or routine?

Edgar Jaeggi, Toronto

15.50 – 16.10 Post-repair echocardiography in intensive care unit

Ulrike Salzer, Vienna

16.10 – 17.30 Quiz / Case presentations

New approach to echocardiographic assessment of congenital heart disease

Saturday 13/10

Tissue Velocity and Myocardial Deformation in Congenital Heart Disease

09.00 – 09.30 Myocardial functional assessment

Piet Claus, Leuven

09.30 – 10.00 Myocardial velocity and deformation: how to measure?

Bart Bijnens, Zagreb

10.00 – 10.30 Implications for patients with congenital heart disease

Luc Mertens, Leuven

COFFEE: 10.30 – 11.00

11.00 – 11.20 Deformation difference between left and right ventricle
Javier Ganame, Leuven

11.20 – 11.40 Deformation in functionally single ventricle
Abdul-Khaliq, Homburg

11.40 – 12.00 Resynchronisation therapy in congenital heart disease
Jan Janousek, Leipzig

12.00 – 12.30 Future techniques: Speckle tracking and others?
Bart Bijmens, Zagreb

LUNCH: 12.30 – 13.30

Real-time 3D Echocardiography in Congenital Heart Disease

13.30 – 13.50 Image acquisitions, storage, manipulation and cropping
Jackie McGhie, Rotterdam

13.50 – 14.10 Atrial and atrioventricular septum and valves
Annemien van den Bosch, Rotterdam

14.10 – 14.30 Outflow tracts and semilunar valves
Sachin Khambadkone, London

14.30 – 14.50 Complex congenital heart disease
John Simpson, London

14.50 – 15.10 Who may profit from 3D? – Cases presentation
Vit Razek - Leipzig

15.15 – 15.45 Panel Discussion: Unification of echo scanning in Europe – is time for it?

15.45 – 16.00 Course Summary