



PROGRAM

Advanced sonographic techniques for the diagnosis of congenital anomalies & fetal echocardiography

Date: 17-18 February 2012

Location: Paris, France

Course Directors: *Rabih Chaoui (Germany), Dario Paladini (Italy), Gianluigi Pilu (Italy), Yves Ville (France)*

This intensive course offers delegates full immersion in the subject area. At the end of the two day program delegates should have a basic broad knowledge of advanced ultrasound techniques for the diagnosis of congenital anomalies and a comprehensive understanding of how to assess the fetal nervous system and heart. The traditional lecture program is complemented by interactive sessions.

At the end of the course participants are expected to be able to:

- Recognise the techniques needed to correctly assess fetal anatomy in general and the nervous system and heart in particular
- Recognise and discriminate in between the major features of central nervous system anomalies
- Recognise the echocardiographic features of major congenital heart diseases
- Recognise the diagnostic role of colour Doppler in the detection of congenital heart disease
- Have a basic knowledge of the outcomes of the different congenital anomalies including in particular nervous malformation and congenital heart diseases
- Recognise the possible role of fetal 3D and 4D ultrasound and magnetic resonance in the assessment of extra-cardiac anomalies
- Recognise the possible role of 4D-echocardiography in the diagnosis of congenital heart disease in the fetus
- Understand the role of ultrasound and magnetic resonance in the identification of congenital infection with a specific focus on cytomegalovirus

Friday 17 February 2011

- 08:30 Introduction and orientation *Y. Ville (France)*
- 09:00 Diagnosis of anomalies in the embryonic period *B. Benoit (France)*
- 09:45 Diagnosis of fetal anomalies at 11-13 weeks *R. Chaoui (Germany)*
- 10:30 Coffee
- 11:00 Commisural anomalies *G. Malinger (Israel)*
- 11:45 Posterior fossa anomalies *G. Pilu (Italy)*
- 12:30 Discussion
- 13:00 Lunch
- 14:00 Septal agenesis and ocular anomalies *J. P. Bault (France)*
- 14:45 Anomalies of the fetal spine *B. Tutschek (Switzerland)*
- 15:30 Sonography of fetal infections *Y. Ville (France)*
- 16:00 Coffee
- 16:30 Discussion and case studies *B. Tutschek, G. Malinger, G. Pilu, Y. Ville*

Saturday 18 February 2011

Part 1 : Technique

- 09:00 ISUOG: basic cardiac examination and fetal echocardiography *J. Carvalho (UK)*
- 09:45 Advanced US cardiac anatomy: the typical signs for CHD *R. Chaoui (Germany)*
- 10:30 Colour Doppler: how to best use it? *D. Paladini (Italy)*
- 11:15 Coffee
- 11:45 3D of the heart: technique and potential *E. Quarello (France)*
- 12:15 Screening for cardiac anomalies in France: 30 years experience *L. Fermont (France)*
- 12:45 Discussion (all speakers)
- 13:00 Lunch

Part 2 : Specific conditions

- 14:00 Ventricle disproportion *D. Paladini (Italy)*
- 14:30 Atrial isomerism: what to look for *J. Carvalho (UK)*
- 15:00 Anomalous pulmonary venous return in the fetus *L. Fermont (France)*
- 15:30 Coffee Break
- 16:00 Fetal heart defects and abnormal karyotype *D. Paladini (Italy)*
- 16:30 Case reports, quizz and Q & A *J. P. Bernard, R. Chaoui, D. Paladini, E. Quarello*
- 17:15 Closing