

Course on Fetal Heart (preliminary program)

15 April, Friday

08.00 – 09.00	Registration
09.00 – 9.15	Introduction
09.15 – 10.45	Anatomy of the heart with the special attention to the fetal features - morphology of the ventricles and atria, interventricular septum characteristics, great arteries, ductal and aortic arch, venous connections – <i>Prof. Dr. Nadia Schmidt</i>
10. 45 – 11.00	COFEE BREAK
11.00 – 14.00	Segmental 2D and 3D ultrasound anatomy of the normal fetal heart Upper abdominal view, Four chamber view, Five chamber view, Outflow tracts, Three vessel view, Three vessel and trachea view, Long axis caval view, Ductal and aortic arch view, Ventricular short axis view (examination of the normal heart)– <i>Prof. Florin Stamatian(at 2D), Dr. Marcin Wiechec(3D)</i>
14.00 – 15.00	LUNCH
15.00 – 15.45	Scanning technique of cardiac evaluation in the 2nd and 3rd trimester (B-mode; color Doppler, PW Doppler, M-Mode) - <i>Dr. Marcin Wiechec</i>
15.45 – 16.30	Live scan on Voluson E8 (2 patients) - <i>Dr. Marcin Wiechec</i>
16.30 – 17.00	Scanning technique of a cardiac evaluation in the first trimester (B-mode; color Doppler, bidirectional Power Doppler, PW Doppler) <i>Dr. Marcin Wiechec</i>
17.00 – 17.15	Live scan on Voluson E8 - <i>Dr. Marcin Wiechec</i>
17.15 – 17.30	COFEE BREAK
17.30- 18.30	Association of congenital cardiac defects with chromosomal aberrations and genetic syndromes <i>Dr. Adrian Mircea Pop</i>
18.30	Discussion

16 April, Saturday

- 08.00 – 08.40** Assessment of an abnormal heart – diagnostic concept and differential diagnosis tree. *Dr. Marcin Wiechec*
- 08.40 - 09.30** Left heart problems - Prenatal diagnosis of mitral valve atresia, mitral stenosis, mitral regurgitation, Aortic valve anomalies (aortic atresia, stenosis, etc.) and aortic arch anomalies *Dr. Marcin Wiechec*
- 09.20 – 10.00** Right heart problems - Prenatal diagnosis of idiopathic enlargement of right atrium, tricuspid valve dysplasia , tricuspid atresia, Ebstein’s anomaly, Pulmonary stenosis - *Prof. Mircea Onofriescu*
- 10.00 – 10.15** COFEE
- 10. 15 – 11. 45** Left and right heart problems from neonatology and surgery point of view *Prof. Dr. Gabriela Zaharie, Dr. Manuel Chira*
- 11.45 – 12.30** Cono-truncal anomalies - Prenatal diagnosis of Tetralogy of Fallot , Transposition of the great arteries, Corrected transposition of the great arteries, Double-outlet right ventricle, Truncus arteriosus *Prof. Dr. Dimitrie Pelinescu Onciul*
- 12.30 – 13.00** Prenatal diagnosis of Septal defects *Dr. Adrian Mircea Pop*
- 13.00 – 14.00** LUNCH
- 14.00 – 14.30** Cardiac tumors *Prof. Dimitrie Pelinescu - Onciul*
- 14.30- 15.30** Septal defects and cono-truncal anomalies from neonatology and surgery point of view *Prof. Dr. Gabriela Zaharie, Dr. Manuel Chira*
- 15.30-16.15** Arrhythmias Assessment of the fetal heart rhythm – practical tips, Bradyarrhythmias: diagnosis, prognosis and treatment, Tachyarrhythmias: diagnosis, prognosis and treatment – *Conf. Dr.Daniel Muresan*
- 16.15 – 16.30** COFEE
- 16.30 – 17.30** Basics of STIC+ live scan on Voluson E8 *Dr. Marcin Wiechec*
- 17.30 – 18.00** Abnormal heart in a STIC volume: orientation, review in multiple viewing options and diagnosis *Dr. Marcin Wiechec*
- 18.00 – 18.30** Cardiovascular function and cardiac failure - Cardiac function in fetal hydrops, TTTS, IUGR, *Dr. Gabriela Caracostea*
- 18.30** Discussion and close