

Exploring the fetal brain
and heart conference
Saturday 14th-15th June 2025



ISUOG COURSE

Exploring the Fetal Brain and Heart conference

2nd Edition

*This program was developed by the Course Directors:
Prof. Katia Bilardo (The Netherlands) and Prof. Simon Meagher (Australia)*

Learning objectives:

- **Apply fetal cardiac imaging techniques** to diagnose congenital heart defects, including septal defects, outflow tract anomalies, and valve abnormalities.
- **Interpret genetic findings** relevant to cardiac and brain anomalies, and understand their clinical and management implications.
- **Recognise major fetal heart defects** (e.g., Tetralogy of Fallot, TGA, HLHS/HRHS, coarctation) and discuss their pathophysiology, imaging features, and outcomes.
- **Identify key brain anomalies** such as ventriculomegaly, cerebellar malformations, corpus callosum agenesis, and absent CSP.
- **Understand the diagnostic process and management** for microcephaly, intracranial haemorrhage, and evolving brain malformations.
- **Communicate complex findings effectively** with families, including prognosis, genetic counselling, and postnatal implications.

Course Chairs



Prof. dr. C.M. (Katia) Bilardo (Netherlands)

ISUOG TRUSTEE; PAST PRESIDENT (2018-2020); STUART CAMPBELL AWARD, 2021; ISUOG FELLOWSHIP, 2017



Prof. Francesco D'Antonio (Italy)

PROFESSOR OF MATERNAL FETAL MEDICINE AT UNIVERSITÀ DEGLI STUDI 'GABRIELE D'ANNUNZIO' DI CHIETI

Time CEST	Mins	Day 1: Saturday 14 th June 2025 Fetal CNS	Invited faculty
Session 1: ISUOG Guidelines and First Trimester Neurosonography Co-Chairs: Prof. Katia Bilardo and Prof. Francesco D'Antonio			
09:00	20	Welcome, Introduction and ISUOG Guidelines	Prof. Katia Bilardo (Netherlands)
09:20	25	First Trimester Fetal Brain Malformation. What every Clinician needs to know	Prof. Simon Meagher (Australia)
09:45	20	First Trimester Open Spina Bifida – Making sense of so many markers	Prof. Asma Khalil (UK)
10:05	25	First Trimester Fetal Neurosonogram	Prof. Francesco D’Antonio (Italy)
10:30	15	Live scan; First Trimester CNS	Prof. Simon Meagher (Australia)
10:45	30	Panel Discussion and Questions	All faculty
11:15	10	Refreshment Break	
Session 2: Second Trimester Neurosonography Co-Chairs: Prof. Katia Bilardo and Prof. Asma Khalil			
11:25	40	Agenesis of the Corpus Callosum made easy, and The ‘Thin’ the ‘thick’ and the ‘short’ Corpus Callosum: what to say, what to do?	Prof. Francesco D’Antonio (Italy)
12:05	15	Ventriculomegaly: recent topics	Prof. Anastasija Arechvo (UK)
12:20	30	Posterior Fossa Anomalies Made easy	Dr Wendy Manten (The Netherlands)
12:50	25	Sonographic recognition of normal fetal brain structures	Dr Wendy Manten (The Netherlands)
13:15	30	Panel Discussion and Questions	All faculty
13:45	45	Refreshment break	
Session 3: Third Trimester Neurosonography Co-Chairs: Dr Wendy Manten and Prof. Gregor Kasprian			
14:30	20	Fetal CNS infection: Clues to diagnosis and management	Prof. Asma Khalil (UK)
14:50	30	Fetal CNS Imaging: When MRI makes a difference	Prof. Gregor Kasprian (Austria)
15:20	30	Panel Discussion and Questions	All faculty and Dr Cacha Peeters (The Netherlands)
15:45	15	Refreshment Break	
Session 4: Genetics and Rare CNS Malformation Co-Chairs: Prof. Mireille Bekker and Prof. Asma Khalil			
16:00	20	Microcephaly: a practical guide to diagnosis and management	Prof. Katia Bilardo (Netherlands)
16:20	25	Genetic Investigation in fetal CNS malformation: ‘the old and the new’	Prof. Yuval Yaron (Israel)
16:40	20	Rare fetal brain malformation developing after a “normal” 20 weeks scan. Clues to diagnosis and Management	Dr Wendy Manten (The Netherlands)
17:00	25	Neonatal outcome of prenatally diagnosed anomalies	Prof. Mireille Bekker (The Netherlands)
17:25	30	Panel Discussion and Questions	All faculty and Dr Cacha Peeters (The Netherlands)
17:55	5	Feedback and close	All faculty
End of Day 1			

Please note that this is a provisional schedule subject to change.

Time CEST	Mins	Day 2: Sunday 15 th June 2025 Fetal Cardiac	Invited faculty
Session 1: ISUOG Guidelines and First Trimester Cardiac Co-Chairs: Prof. Katia Bilardo and Prof. Francesco D'Antonio			
09:00	15	Welcome, Introduction and ISUOG Guidelines	Prof. Katia Bilardo (Netherlands)
09:15	30	Fetal Cardiac Diagnosis Made Easy – The Golden Rules	Prof. Simon Meagher (Australia)
09:45	25	Why are heart defects being missed	Prof. Monique Haak (The Netherlands)
10:10	25	First trimester cardiac anomalies	Prof. Simon Meagher (Australia)
10:35	20	Live scan; First Trimester Cardiac	Prof. Simon Meagher (Australia)
10:55	30	Panel Discussion and Questions	All faculty
11:25	15	Refreshment Break	
Session 2: Second Trimester Cardiac Anomalies Co-Chairs: Prof. Katia Bilardo and Prof. Monique Haak			
11:40	20	The normal fetal heart	Dr Sally-Ann Clur (The Netherlands)
12:00	20	The Small Left Ventricle + coarct.	Dr Sally-Ann Clur (The Netherlands)
12:20	20	The Small Right Ventricle /Hypoplastic Right Heart Syndrome	Dr Balu Vaidyanathan (India)
12:40	30	Panel Discussion and Questions	All faculty
13:10	40	Refreshment break	
Session 3: Second Trimester Cardiac Anomalies Co-Chairs: Prof. Francesco D'Antonio and Dr Valentina De Robertis			
13:50	25	Transposition of the great arteries	Dr Sally-Ann Clur (The Netherlands)
14:15	20	Tetralogy of Fallot: Tips Tricks and Traps	Dr Valentina De Robertis (Italy)
14:35	20	Isolated Minor Cardiac Anomalies – Diagnosis and management (ARSA, BLSVC, VSD, RAA, DAA, IIVC, PRUV)	Dr Valentina De Robertis (Italy)
14:55	25	Panel Discussion and Questions	All faculty
15:20	15	Refreshment Break	
Session 4: Third Trimester Cardiac Anomalies Co-Chairs: Prof. Katia Bilardo and Prof. Francesco D'Antonio			
15:35	25	Genetic Investigations of fetal cardiac defects: a practical guide	Prof. Monique Haak (The Netherlands)
16:00	25	Screening, pregnancy care, mode of delivery and immediate newborn care in congenital heart disease	Prof. Monique Haak (The Netherlands)
16:25	30	Final Panel Discussion and Questions	All faculty
16:55	5	Feedback and close	Prof. Katia Bilardo (The Netherlands) and Prof. Francesco D'Antonio (Italy)
End of Day 2			

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**This conference is proudly sponsored by General Electric Healthcare
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