



## Fetal Growth Restriction: From AI-Powered Prediction to Precision Medicine

Course chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho

Sunday 8th February 2026

### Learning Objectives:

- Understand the latest approaches to differentiate SGA from true FGR, including diagnostic innovations like AI-powered growth assessment.
- Review current and emerging strategies for prediction and prevention of FGR.
- Compare and contrast early- and late-onset FGR with emphasis on evolving prenatal monitoring, management protocols, and timing of delivery.
- Gain familiarity with advanced and novel tools for FGR evaluation and surveillance.
- Participate in cutting-edge debates and international guideline differences in the diagnosis and management of FGR and discuss the implications of universal third trimester screening.
- Address practical considerations in FGR care across different settings, including resource-limited environments and multiple pregnancies.
- Understand the long-term consequences of FGR.

GMT	Min	Lecture	Faculty
08:00	5	Welcome and course introduction	Prof. Asma Khalil (UK) A/Prof. Conrado Coutinho (Brazil)
<b>Session 1: Foundations and standards</b>			
<b>Chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho</b>			
08:05	20	AI Revolution in Growth Assessment	Prof. Ja-Young Kwon (South Korea)
08:25	20	Growth Charts Performance: Customized vs Population-based vs AI-Enhanced Charts	TBC
08:45	20	Pathophysiology Meets Innovation: Artificial womb and fetal therapy advances	Prof. Eduard Gratacós (Spain)
09:05	20	Panel discussion, and live Q&A	All faculty
<b>09:25</b>	<b>15</b>	<b>Refreshment Break</b>	
<b>Session 2: Early FGR</b>			
<b>Chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho</b>			
09:40	20	Early Prediction and Prevention: First trimester screening integration	Prof. Liona Poon (Hong Kong)
10:00	20	Are there effective preventive measures besides aspirin?	Dr Francesc Figueras (Spain)
10:20	15	Management Protocols: ISUOG Perspective	Prof. Katia Bilardo (Netherlands)
10:35	15	Management Protocols: SMFM Perspective	A/Prof. Hiba Mustafa (USA)
10:50	15	Management Protocols: FIGO Perspective	Dr Ahmet Baschat (USA)
11:05	30	Panel discussion, and live Q&A	All faculty
<b>11:35</b>	<b>15</b>	<b>Refreshment Break</b>	
<b>Session 3: Late FGR</b>			
<b>Chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho</b>			
11:50	20	Diagnostic Dilemmas: When Normal Doppler Meets Growth Restriction	Prof. Asma Khalil (UK)
12:10	20	Third Trimester Surveillance Strategies: Risk Stratification and Monitoring Protocols	Prof. Asma Khalil (UK)
12:30	20	sFlt-1/PlGF vs Doppler in Late-Onset FGR”	Prof. Fabricio da Silva Costa (Australia)
12:50	20	Delivery Timing: The TRUFFLE Legacy and Beyond	Prof. Christoph Lees (UK)
13:10	20	Panel discussion, and live Q&A	All faculty
<b>13:30</b>	<b>30</b>	<b>Refreshment Break</b>	

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

<b>Session 4: Global health and future perspectives FGR</b>			
<b>Chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho</b>			
14:00	20	ISUOG Fetal Biometry guideline: Latest Evidence	Prof. Tamara Stampalija (Italy)
14:20	20	Umbilical Vein Flow: The New Frontier?	Prof. Tamara Stampalija (Italy)
14:40	20	FGR in Resource-Limited Settings	A/Prof. Conrado Coutinho (Brazil)
15:00	20	Long-term Outcomes and Programming	Prof. Fatima Crispi (Spain)
15:20	20	Acute atherosclerosis: a unique vascular lesion in the Great Obstetrical Syndromes, including preeclampsia, fetal growth restriction, fetal death, and spontaneous preterm labor	Dr Roberto Romero (USA)
15:40	20	Panel discussion, and live Q&A	All faculty
<b>16:00</b>	<b>15</b>	<b>Refreshment Break</b>	
<b>Session 4 Continued.....: Global health and future perspectives FGR</b>			
<b>Chairs: Prof. Asma Khalil and A/Prof. Conrado Coutinho</b>			
16:15	20	What Will FGR Management Look Like in 2030?	<b>Moderators:</b> A/Prof. Coutinho, Prof. Asma Khalil (UK) <b>Panelists:</b> Dr Ahmet Baschat (USA) A/Prof Hiba Mustafa (USA)
16:35	20	Structured Debate: “Universal Third Trimester Screening: Ready for Prime Time?”	<b>Pro-Universal Screening:</b> Dr Francesc Figueras (Spain) <b>Against Universal Screening:</b> Prof Gordon Smith (UK)
16:55	20	Genetic causes of small for gestational age: Case-based learning	Dr Tessa Homfray (UK)
17:15	25	Panel discussion, and live Q&A	All faculty
17:40	5	Course summary and close	Prof. Asma Khalil (UK) A/Prof. Conrado Coutinho (Brazil)
<b>17:45</b>		<b>Close</b>	