



Exploring the fetal brain

Chaired by Prof. Francesco D'Antonio

With support from Prof. Karina Krajden Haratz, Prof. Asma Khalil, Dr Elisenda Eixarch and Prof. Gregor Kasprian

Program developed by Prof. Francesco D'Antonio, Prof. Karina Krajden Haratz and Prof. Simon Meagher

Livestream

Saturday 24th and Sunday 25th October 2026

Day 1 Saturday 24th: 06:00 BST (UTC+1) / 07:00 CEST (UTC+2) / 08:00 IDT (UTC+3) / 16:00 AEDT (UTC+11)

Day 2 Sunday 25th: 06:00 GMT (UTC+0) / 07:00 CET (UTC+1) / 08:00 IST (UTC+2) / 16:00 AEDT (UTC+11)

Learning objectives:

- Develop a comprehensive understanding of fetal brain anatomy, normal neurodevelopment, and the sonographic appearance of intracranial structures throughout gestation.
- Apply advanced ultrasound techniques to perform systematic evaluation of the fetal brain, including detailed assessment of the ventricles, posterior fossa, corpus callosum, and spine.
- Identify and differentiate common and complex fetal central nervous system abnormalities, and interpret ultrasound findings to support accurate diagnosis and clinical decision-making.
- Demonstrate knowledge of the role of neurosonography in prenatal counselling, further investigation, and multidisciplinary management of suspected fetal brain anomalies.
- Integrate evidence-based ultrasound approaches into clinical practice to enhance diagnostic accuracy, facilitate timely referral, and optimise outcomes for both mother and baby.

Day 1: Saturday 24th October 2026 BST

UK BST (UTC+1)	Mins		Invited Faculty (Name and country)
SESSION 1: Exploring brain anatomy: from screening to detailed examination			
<i>Chairs: Prof. Karina Krajden Haratz (Israel) and Prof. Francesco D'Antonio (Italy)</i>			
06:00	10	Welcome and introduction	Prof. Karina Krajden Haratz (Israel) Prof. Francesco D'Antonio (Italy)
06:10	25	Beyond screening: how to get the most of the axial views of the fetal brain	Prof. Francesco D'Antonio (Italy)
06:35	25	Introduction to neurosonography: Supra-tentorial brain anatomy	Dr Rachna Gupta (India)
07:00	25	Introduction to neurosonography: Infra-tentorial brain anatomy	Dr Meetan Preet (India)
07:25	25	First-trimester brain: How early can we see what matters?	Prof. Simon Meagher (Australia)
07:50	25	How to assess the brain in the third trimester – from ISUOG guidelines and beyond	Prof. Karina Krajden Haratz (Israel)
08:15	25	Fetal ventriculomegaly: Investigation, counselling and clinical management	Prof. Mauricio Herrera (Colombia/UEA)
08:40	30	Live Q&A and panel discussion	Prof. Karina Krajden Haratz (Israel) Prof. Francesco D'Antonio (Italy)
09:10	60	Refreshment break	

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

SESSION 2: Supra-tentorial and cortical anomalies: diagnosis and counselling <i>Chairs: Prof. Francesco D'Antonio (Italy) and Prof. Asma Khalil (UK)</i>			
10:10	25	Anomalies of the corpus callosum: sonographic clues to diagnosis	Prof. Francesco D'Antonio (Italy)
10:35	25	Abnormalities of the cavum septi pellucidi: when and how to investigate	Dr Roee Birnbaum (Israel)
11:00	25	Cortical development and disorders of neuronal migration	Prof. Ritusko Pooh (Japan)
11:25	25	Supra-tentorial cystic lesions	TBC
11:50	25	Intracranial haemorrhage, stroke and acquired fetal brain injury	TBC
12:15	25	Congenital infections and their impact on the developing fetal brain	Prof. Asma Khalil (UK)
12:40	30	Live Q&A and panel discussion	All faculty
13:10	5	Feedback and close of Day 1	Prof. Francesco D'Antonio (Italy)
13:15		Close of day 1	

Day 2: Sunday 25th October 2026 GMT			
UK GMT <i>(UTC+0)</i>	Mins		Invited Faculty <i>(Name and country)</i>
SESSION 3: supra-tentorial anomalies, haemorrhage and neuronal tube defect <i>Chairs: Prof. Francesco D'Antonio (Italy) and Dr Elisenda Eixarch (Spain)</i>			
06:00	10	Welcome back and recap	Prof. Francesco D'Antonio (Italy)
06:10	30	Posterior fossa abnormalities: distinguishing normal development from pathology	Dr Elisenda Eixarch (Spain)
06:40	25	Neurosonography in complicated twin pregnancies	Prof. Asma Khalil (UK)
07:05	25	Application of neurosonography beyond fetal anomalies	Dr Elisenda Eixarch (Spain)
07:30	25	Genetics of fetal brain abnormalities: when imaging meets genomics	Prof. Yaron Yuval (Israel)
07:55	30	Live Q&A and panel discussion	All faculty
08:25	60	Refreshment break	
SESSION 4: MRI of fetal brain and beyond <i>Chairs: Prof. Francesco D'Antonio (Italy) and Prof. Gregor Kasprian (Austria)</i>			
09:25	20	MRI of supratentorial and infra-tentorial brain anomalies	Prof. Gregor Kasprian (Austria)
09:45	20	Beyond conventional MRI: new imaging techniques for exploring fetal brain	Prof. Gregor Kasprian (Austria)
10:05	20	Neural tube defects: from cranial signs to comprehensive diagnosis	Prof. Magda Sanz-Cortès (USA)
10:25	20	Advanced neurosonography: artificial intelligence	Prof. Ja-Young Kwon (South Korea)
10:45	60	Challenging cases in fetal neurosonography: Lessons from real-world practice	Prof. Rabih Chaoui (Germany) Dr Hiba Mustafa (USA) Dr Lucas Trigo (Australia/Brazil)
11:45	25	Learn from the expert: Fetal brain live scan	Prof. Francesco D'Antonio (Italy)
12:10	30	Live Q&A and panel discussion	All faculty
12:40	5	Feedback and close of the program	Prof. Francesco D'Antonio (Italy)
12:45		Close of day 2	