

First Trimester Fetal Malformation

"high-resolution ultrasound greets high-resolution genetics"

Sunday 27th February 2022
08:00-16:50 GMT



Livestream course program

Learning Objectives:

- An overview of the international guidelines in clinical practice for the sonographic assessment of the fetal anatomy during the routine 11–14 weeks scan
- The role and limitations of first trimester ultrasound
- Integration of new world genomics with first-trimester ultrasound screening and diagnosis
- The role of transvaginal ultrasound assessment of the fetal anatomy - normal vs abnormal
- The sonographic assessment of the fetal heart from 8–14 weeks gestation
- The step-by-step approach to sectional imaging the normal fetal brain during the first trimester 9-14 weeks.
- The basic and advanced approaches to sonographic diagnosis of minor and major fetal brain and face malformation
- A practical guide to the use of high frequency transducers and 3D multiplanar evaluation for the fetal anatomy during the first trimester
- Building a knowledge set of the common and rare anomaly sequences which can be identified across each trimester
- Provide guidelines on how to implement screening strategies for aneuploidy and morphology screening
- Discuss the role of non-invasive prenatal screening and chromosomal microarray
- The role of wide exome sequencing (WES) and wide genomic sequencing (WGS) in 2021
- Provide interactive learning supported by drawings 3D graphics and live scanning sessions
- Screening and diagnosis of embryo malformation 6-10 weeks

Time	Mins	Intro – Simon Meagher	Speaker
08:00	5	Welcome	Simon Meagher
08:05	20	High-resolution ultrasound greets high-resolution genetics: where will it all be 10 years from now?	Kypros Nicolaides
08:25	20	The Role and Value of a first trimester scan 11-14 weeks in 2021	Katia Bilardo
08:45	30	Live Scan and Q&A	Simon Meagher
The heart; Chaired by Waldo Sepulveda			
09:15	20	Screening for minor cardiac malformation: benefits and limitations	Simon Meagher
09:35	20	A practical guide to diagnosis of major fetal cardiac malformation 11-14 weeks	TBC
09:55	20	Case studies – Putting you to the test	Simon Meagher
10:15	20	Live Q&A	Waldo Sepulveda; Simon Meagher; Kypros Nicolaides; Katia Bilardo
10:35	15	Refreshment Break	
The brain; Chaired by Simon Meagher			
10:50	20	Acrania. Cephalocele, craniorachischisis & iniencephaly 8-13 weeks	Nicola Volpe
11:10	20	Open spina bifida: screening and target scan	Fred Ushakov
11:30	20	The abnormal posterior fossa: Dandy-Walker malformation, Blake's pouch cyst	Dario Paladini
11:50	20	Case studies – Putting you to the test	Waldo Sepulveda
12:10	10	Patient story	TBC
12:20	20	Live Q&A	Simon Meagher; Volpe Nicola; Fred Ushakov; Dario Paladini; Waldo

			Sepulveda
12:40	50	Lunch	
The Rest; Chaired by Waldo Sepulveda			
13:30	20	Malformation of the fetal face 11-14 weeks	Waldo Sepulveda
13:50	20	Fetal genitourinary tract malformation 11-14 weeks gestation	Katia Bilardo
14:10	20	Anterior abdominal wall defects 11-14 weeks: tips and traps	Alfred Abuhammad
14:30	20	Skeletal Dysplasias in the first trimester - What's possible in 2022?	Rabih Chaoui
14:50	20	Live Q&A	Waldo Sepulveda; Katia Bilairdo; Fred UshaKov; Rabih Chaoui
15:10	15	Refreshment Break	
Diagnosis; Chaired by Waldo Sepulveda			
15:25	20	Increased NT after low-risk NIPT: What should we tell prospective parents	Lisa Hui
15:45	20	NIPT and Exome sequencing in the first trimester – all you need to know	Mary Norton
16:05	20	Placenta Acreta Spectrum – clues to diagnosis in the first trimester	Amar Bhide
16:25	20	Live Q&A	Lisa Hui; Mary Norton; Amar Bhide
16:45	5	Feedback and close	Waldo Sepulveda

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