

Prenatal Genomics Course

Thursday 30-Friday 31 March 2023

This virtual Prenatal Genomics course is aimed at registrars and consultants working or interested in Clinical Genetics, Fetal Medicine and Obstetrics and Gynaecology.

Course Director: Dr Tazeen Ashraf, Consultant in Clinical Genetics, Great Ormond Street Hospital

Learning Objectives

- To learn about the advances in prenatal genomics and diagnostics
- Understand screening in pregnancy and its utility
- To learn about congenital abnormalities and genetic associations
- Understand ethics and law in pregnancy

Thursday 30 March		
9:30-10:15	12 week appt - scan, combined screening, NIPT	Professor Basky Thilaganathan, Consultant in Fetal Medicine, St Georges University Hospital
10:15-11:00	Maternal conditions and infections	Dr Tessa Homfray, Consultant in Clinical Genetics, St Georges University Hospital
11:00-11:45	Genetic Testing - NIPD, chromosome testing - QF-PCR and microarray, CVS and amnio, fetal exomes	Dr Muriel Holder, Consultant in Clinical Genetics, Guys and St Thomas' NHS Foundation Trust
11:45-12:30	Fetal Surgery	Dr Marta Santorum Perez, Consultant in Obstetrics and Fetal Medicine, Kings College Hospital
12:30-13:30	Lunch	
13:30-14:15	Fetal cardiology	Professor John Simpson, Professor of Paediatric and Fetal Cardiology, Guys and St Thomas
14:15-15:00	Fetal brain and body MRI	Dr Alexia Egloff, Consultant in Paediatric Neuroradiology and Fetal image Specialist, Guys and St Thomas' NHS Foundation Trust
15:00-15:45	Fetal Abdominal pathology	Dr Fred Ushakov, Specialist in Fetal Medicine, University College London Hospital
15:45-16:30	20 week scan	Dr Pranav Pandya, Consultant in Fetal Medicine, University College London Hospital
16:30-17:00	ARC support	
17:00	End	

Friday 31 March

9:00-09:45	Fetal neurology	<i>TBC</i>
09:45-10:30	Skeletal dysplasias	<i>Professor Sahar Mansour, Professor of Clinical Genetics, St Georges University Hospital</i>
10:30-11:15	IUGR	<i>Dr Tessa Homfray, Consultant in Clinical Genetics, St Georges University Hospital</i>
11:15-12:00	Hydrops	<i>Professor Sahar Mansour, Professor of Clinical Genetics, St Georges University Hospital</i>
12:00-12:45	Expanded carrier screening and PGT	<i>Dr Tazeen Ashraf, Consultant in Clinical Genetics, Great Ormond Street Hospital</i>
12:45-13:45	Lunch	
14:00-14:45	Fetal post-mortem	<i>Dr Ciaran Hutchinson, Consultant Paediatric Pathologist, Great Ormond Street Hospital</i>
14:45-15:30	Termination of pregnancy and law	<i>Bertie Leigh, Consultant Solicitor specialising in Healthcare Litigation and Clinical Negligence</i>
15:30-16:30	Fetal exome case discussions	
16:30	End	