



# GENETIC SYNDROMES & FETAL ECHOCARDIOGRAPHY

Saturday, 25 March



Sunday, 26 March 2023

## FETAL MEDICINE, ECHOCARDIOGRAPHY & GENETIC SYMPOSIUM

### DAY ONE PROGRAM

9:00 - 9:30	Registration	
9:30 - 9:45	Screening for chromosomal aneuploidies in the UK <ul style="list-style-type: none"> <li>● Past, present, and future</li> </ul>	Mr Pranav Pandya
9:45 - 10:15	Future of the first trimester ultrasound: early screening and target scans <ul style="list-style-type: none"> <li>● 10 Week Scan and NIPT: Earliest screening for fetal anomalies and syndromes</li> </ul>	Dr Fred Ushakov
10:15 - 10:45	<ul style="list-style-type: none"> <li>● Early Fetal Scan: 12-16 weeks Anomaly Scan: screening or target?</li> </ul>	
10:45 - 11:00	Screening amniocentesis: Option of invasive prenatal testing for low-risk patients <ul style="list-style-type: none"> <li>● Pros and cons</li> </ul>	Mr Pranav Pandya
11:00 - 11:30	COFFEE BREAK	
11:30 - 11:50	Fetal Genetic Clinic: UCLH and GOSH multidisciplinary team experience	Dr Tazeen Ashraf
11:50 - 12:05	22q11 deletion syndrome (DiGeorge syndrome): Part one <ul style="list-style-type: none"> <li>● Clinical overview</li> <li>● Videos</li> </ul>	Dr Tazeen Ashraf Dr Fred Ushakov
12:05 - 12:20	Noonan's syndrome <ul style="list-style-type: none"> <li>● Clinical overview</li> <li>● Videos</li> </ul>	Dr Tazeen Ashraf Dr Fred Ushakov
12:20 - 12:40	Fetus with an increased NT: Can we do NIPT?	Dr Diane Nzelu
12:40 - 13:00	Fetus with chromosomal or genetic syndromes: challenges in management of on-going pregnancy and delivery	Mr Dan Stott
13:00-14:00	LUNCH	



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## FETAL MEDICINE, ECHOCARDIOGRAPHY & GENETIC SYMPOSIUM

### DAY ONE PROGRAM

14:00 - 14:30	NIPD and NIPT for single gene disorders <ul style="list-style-type: none"><li>● NIPT for Noonan's syndrome</li></ul>	Dr Natalie Chandler
14:30 - 15:20	NIPT for 22q11 deletion syndrome: <ul style="list-style-type: none"><li>● Results of SMART study</li></ul> Single-gene NIPT (Vistara) <ul style="list-style-type: none"><li>● NIPT for Noonan syndrome</li></ul> No-call results of NIPT	Dr Vivienne Souter
15:20 - 15:30	Target Early Fetal Scan at 12-16 weeks. Futuristic outlook: Verification of NIPT results by target ultrasound	Dr Fred Ushakov

### 15:30 – 16:00 COFFEE BREAK

16:00 - 16:15	Important genetic syndromes: videos Symposium's Principal Sponsor Presentation Latest ultrasound technology for fetal medicine update	GE Healthcare
16:15 - 17:15	Target genetic imaging <ul style="list-style-type: none"><li>● Achondroplasia</li><li>● Apert syndrome</li><li>● Cornelia-de-Lange syndrome</li><li>● Joubert syndrome</li><li>● Meckel-Grouber syndrome</li><li>● Osteogenesis imperfecta</li><li>● Pfeiffer syndrome</li><li>● Thanatophoric dysplasia</li><li>● Tuberous sclerosis</li><li>● VACTERL association</li></ul>	Dr Fred Ushakov
17:15 - 17:30	Ultrasound and NIPT: Working together	Panel Discussion

### 17:30 – 19:00 SOCIAL EVENT

The SYMPOSIUM is generously supported by



GE HealthCare



Panorama™  
Next-generation NIPT



nexus/astraia



# GENETIC SYNDROMES & FETAL ECHOCARDIOGRAPHY

FETAL MEDICINE, ECHOCARDIOGRAPHY & GENETIC SYMPOSIUM

## DAY TWO PROGRAM

### FETAL ECHOCARDIOGRAPHY for FETAL MEDICINE SPECIALISTS

9:00 - 9:30

WELCOME COFFEE

9:30-11:00

The Heart for Fetal Medicine Specialist  
The pragmatic approach for advanced cardiac scan  
The new algorithm for the heart examination  
Tips and tricks  
Colour Doppler for fetal echocardiography  
Image improvement

Dr Fred Ushakov

11:00 – 11:30

COFFEE BREAK

11:30 - 11:40

AI assistant for prenatal ultrasounds

Sonio

11:40-13:00

Heart in chromosomal  
and genetic syndromes (2nd and 3rd trimesters)  
'Syndromic types' of CHDs  
Challenging cases and common mistakes

Dr Fred Ushakov

22q11 deletion syndrome (DiGeorge syndrome): Part two

Dr Fred Ushakov

- Conotruncal defects and other CHD
- Extracardiac anomalies

13:00-14:00

LUNCH

14:00- 15:30

Echocardiography for fetus  
with extra-cardiac anomalies by Fetal Medicine Specialist:

- fetal hydrops
- CDH
- echogenic lung lesions

major exomphalos  
brain anomalies  
vascular abnormalities  
other conditions  
Videos & discussions

Dr Fred Ushakov

15:30-16:00

COFFEE BREAK

Discussion & conclusions  
Closure