

2b. Prenatal and Perinatal Genetics

Co-ordinator:

Time	Program	Speaker
08.30 - 08.40	Registration	
08.40 - 08.50	Prayer & Welcome Address	
Session 1 - Overview of Genetic testing - Principle/Samples/Indications		
08.50 - 09.00	Welcome & Introduction	Dr. Sujatha Jagadeesh
09.00 - 09.20	Karyotype / CMA	Dr. Meenal Agarwal
09.20 - 09.40	Next generation sequencing (NGS)	Dr. Ashwin Dalal
09.40 - 09.50	CMA/NGS reports what to look for/how to read a report	Dr. Meenal Agarwal / Dr. Ashwin Dalal
09.50 - 10.00	Discussion	
Session 2 - Planning prenatal testing steps needed		
10.00 - 10.05	Introduction	Dr. Beena Suresh
10.05 - 10.25	Genetic history taking	Dr. M. Pradeepkumar
10.25 - 10.45	Index case work-up	Dr. Sujatha Jagadeesh
10.45 - 11.05	Family history of problem/only records	Dr. Sheela Nampoothiri
11.05 - 11.10	Discussion	
11.10 - 11.40	Coffee Break	
Session 3 - Mode of inheritance/recurrence risk/interpreting results according to mode of inheritance		
11.40 - 11.45	Introduction	Dr. M. Pradeepkumar
11.45 - 12.00	Autosomal dominant (AD)	Dr. Meenal Agarwal
12.00 - 12.15	Autosomal recessive (AR)	Dr. Beena Suresh
12.15 - 12.30	X-Linked recessive (XLR)	Dr. Sheela Nampoothiri
12.30 - 12.45	Mitochondrial	Dr. Meenal Agarwal
12.45 - 13.00	Discussion	
13.00 - 14.00	Lunch Break	
Session 4 - Result interpretation problems		
14.00 - 14.05	Introduction	Dr. Sheela Nampoothiri
14.05 - 14.25	VUS - How to decide PND - Case examples	Dr. Ashwin Dalal
14.25 - 14.40	Pseudogene (CAH as example)	Dr. Meenal Agarwal
14.40 - 15.00	Value of phenotype genotype correlation	Dr. Ratna Dua Puri
15.00 - 15.10	Discussion	
Session 5 - Fetal/Preimplantation testing		
15.10 - 15.15	Introduction	Dr. Sujatha Jagadeesh
15.15 - 15.35	Fetal testing for anomalies - how to plan	Dr. S. Sudarshan
15.35 - 15.55	Case selection/Precautions - PGT	Dr. Ashwin Dalal
15.55 - 16.15	Fetal growth disorders - Deeper Genetic insights (Imprinting)	Dr. Ratna Dua Puri
16.15 - 16.25	Discussion	
16.25 - 17.05	Challenging Case based discussion	Presenter : Dr. Gayathri K, Dr. Mythili T, Dr. Sakshi
		Discussants : Dr. Ratna Dua Puri, Dr. Ashwin Dalal, Dr. Sujatha Jagadeesh
17.05 - 17.30	Quiz	Dr. Sujatha Jagadeesh