

# Genetics In Obstetric Practice Master Class



## MediScan

Ultrasound | Fetal Care | Genetics | Perinatal Pathology

40 Years of **Serving the Community**

**Objective & Scope :** Genetics has become an integral part of every subspeciality with a growing evidence that it will irrevocably change the practice of medicine. A working knowledge in fundamentals of genetics and its clinical application, is an essential pre-requisite in practice, with wide ranging tests / options available. This would enable us to provide reliable information to both patients and their families and also help guide them towards appropriate testing.

Hence, the need of the hour is to create awareness among practitioners. Here is our attempt in educating those in practice about key concepts of genomics and importantly, engaging them in the design of how this knowledge will be applied most effectively in patient care.

**Target Audience :** This CME is open to Geneticists, Pediatricians, Neonatologists, Fetal Medicine specialists, Obstetricians, Radiologists and Physicians interested in Genetics.

### Faculty

Dr. Beena Suresh

Dr. Jayarekha Raja

Dr. Lata S

Dr. Sudarshan Suresh

Dr. Sujatha Jagadeesh

Mrs. Lakshmi Neelkantan

Ms. Vaishnavi Reddy D

### Program Highlights

- Introduction to Genetics
- Chromosomal Abnormalities
- Single Gene Disorders
- Inheritance patterns
- Pedigree Drawing Exercises
- Genetic Counseling
- Prenatal Diagnosis & Screening
- Report Interpretation
- Chromosomal & Molecular



18th February 2023, Saturday



09.00am - 05.00pm



Dr.Suresh Mediscan Systems Private Limited  
Subhiksha, No.252, Royapettah High Road, Mylapore,  
Chennai - 600 004.

**Registration fee**  
**INR Rs.6000/- (Delegate)**  
**INR Rs.3000/- (PG Student)**  
**(Inclusive of 18% GST)**

### Contact Us

**Secretariat, Department of Education**

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**Limited seats  
only**



Time	Program	Speaker
08.30 - 09.00	REGISTRATION	
09.00 - 09.30	Overview of common chromosomal disorders	Ms. Vaishnavi Reddy
09.30 - 10.00	Mode of Inheritance / consanguinity / Pedigree drawing	Mrs. Lakshmi Neelkantan
10.00 - 10.30	Approach to a child with genetic disorder	Dr. Jayarekha Raja
10.30 - 11.00	Coffee break	
11.00 - 11.30	An approach to a fetus with congenital abnormality detected on ultrasound	Dr. Sujatha Jagadeesh
11.30 - 12.30	Armamentarium of genetic tests -An overview with practical tips	
	1.QF-PCR/PN bobs/KL-BOBs /MLPA	Ms. Vaishnavi Reddy
	2. Karyotype/Microarray/CNgenome	Dr. Beena Suresh
	3.NGS	Dr. Jayarekha Raja
12.30 - 01.30	Lunch break	
01.30 - 02.00	Principles of Screening	Dr. Sudarshan Suresh
02.00 - 02.30	Interpretation and counseling following screening	Dr. Sudarshan Suresh
02.30 - 03.00	Perinatal Autopsy – value add	Dr. Lata S
03.00 - 03.30	Role of Storing DNA	Dr. Beena Suresh
03.30 - 04.15	How to read a genetic report - Panel Discussion	<u>Panelist</u> : Dr.Beena Suresh Dr. Jayarekha Raja
	<u>Moderator</u> : Dr. Sujatha Jagadeesh	Ms. Vaishnavi Reddy Mrs. Lakshmi Neelakandan
04.15 - 04.45	Quiz	
04.45 - 05.00	Tea break and close	