PEDICON 2026

63rd Annual Conference of Indian Academy of Pediatrics
16TH JANUARY - 20TH JANUARY, 2026 | KOLKATA

West Bengal Academy of Pediatrics

16th - 20th January, 2026

Biswa Bangla Convention Centre, Kolkata, India

GENETICS FOR PRACTICING PEDIATRICIANS: FROM BASICS TO CLINICS

AIM OF THE WORKSHOP:

- Simplify the understanding of genetics in day-to-day pediatric practice.
- Provide interactive sessions on a systematic approach to genetic disorders with emphasis on case scenarios.
- Empower attendees regarding 'when to suspect' and 'when to refer' for appropriate genetic evaluation.
- Provide step-by-step guidance on choosing the right diagnostic modalities (karyotype, microarray, exome sequencing, etc.) and their importance.
- Emphasize the importance of genetic counseling.

WHO SHOULD ATTEND?

- All practicing pediatricians and post-graduate trainees (MD, DNB, DM, DrNB)

JAN 16, 2026
9:00 AM TO 4:00 PM

CLICK HERE TO REGISTER

Venue: Banquet Hall of VISITEL Hotel.
78, Canal Circular Road, Beside Apollo Multispeciality Hospitals on EM Bypass, Kolkata, West Bengal 700054

WORKSHOP NATIONAL COORDINATOR, PEDICON 2026
Dr. Mukesh Dhankar
Dr. Kalpana Datta

NATIONAL ADVISOR
Dr. Sankar VH

NATIONAL COORDINATORS
Dr. Kausik Mandal

PEDICON COORDINATORS
Dr. Shampa Mitra Pahari
Dr. Chandreyee Bhattcharya

Genetics for Practicing Pediatricians: *From Basics to Clinics*

Time	Topic	Speaker/ Moderator
	INAUGURATION & WORKSHOP OBJECTIVES	
9:00 -9:15	Welcome and outline of the day: Pretest questionnaire	Dr. Chandreyee Bhattacharya
9:15 -9:35	Why Paediatricians Need to Know Genetics?	Dr. Shampa Mitra Pahari
Session 1: Foundations of Clinical Genetics		
9:40 - 10:00	Patterns of inheritance made simple	Dr. Dipanjana Datta
10:00 - 10:20	Non-Mendelian inheritance	Dr. Sankar VH
10:20- 10:30	**TEA/ COFFEE BREAK**	
Session 2: What test to do and how to interpret		
10:30 – 10:50	Karyotype, MLPA, QF-PCR	Dr. Kausik Mandal
10:50 - 11:10	Technique CMA: Interpretation of microarray reports	Dr. Prakash Gambhir
11:10 -11:30	How labs classify variants (ACMG basics): Pathogenic, VUS, benign — what it means for the pediatrician	Dr. Priyanka Srivastava
11:30 - 11:50	The importance of antenatal counselling	Dr. Saswati Mukhopadhyay
11:50 - 12:10	Screening for genetic disorders: The Indian perspective	Dr. Seema Kapoor
Session 3 (Interactions in 5 tables): Pedigree analysis and genetic counselling		
12:10 -12:40	Case scenario: X linked disorder in a family	Dr. Dipanjana Datta
12:40 -1:10	Case scenario: Abnormal USG finding in fetus	Dr. Saswati Mukhopadhyay
13:10 - 13:30	**LUNCH BREAK**	
Session 4 (Interactions in 5 tables): Abnormal Karyotype and cytogenetic microarray microarray		
13: 30 - 14:00	Karyotype and MLPA	Dr. Kausik Mandal
14:00 - 14:30	Karyotype and cytogenetic microarray	Dr. Prakash Gambhir
Session 5 (Interactions in 5 tables): Sanger and NGS		
14:30 - 15:00	Sanger sequencing	Dr. Sankar VH
15:00 - 15:30	NGS variant interpretation	Dr. Priyanka Srivastava
Session 6 (Interactions in 5 tables): Treatment of Genetic disorders and wrapping up		
15:30 - 16:00	Acute metabolic disorders and LSDs	Dr. Seema Kapoor and Dr. Kausik Mandal
16:00 - 16:30	Post-test evaluations and compliments for the participants	Dr. Shampa Mitra Pahari and Dr. Chandreyee Bhattacharya