

Lecture Abstract

Event: Webinar on Advances in cfDNA Testing for Fetal Aneuploidies

Date: December 9, 2021

Chair: Prof. Liona POON

This APCMFM E-zone session brings together leading international experts to explore the evolving landscape of cell-free DNA (cfDNA) testing, focusing on its application in complex clinical scenarios. As cfDNA screening expands beyond traditional aneuploidies, clinicians face critical questions regarding its scope, interpretation, and limitations.

The program will begin with a practical guide to cfDNA in multiple pregnancies, where Prof. María del Mar Gil will outline the essential "do's and don'ts" to optimize clinical management. The session will then delve into the debate on expanded screening panels, with Prof. Francesca Romana Grati examining the clinical utility and challenges of screening for sex chromosome aneuploidies (SCA) and rare autosomal trisomies (RAT). Following this, Dr. Angel KWAN will present real-world data from The Chinese University of Hong Kong (CUHK), offering insights into the performance and implications of expanded cfDNA testing in the local population.

The session will culminate in an interactive case-based discussion, allowing participants to apply these insights to complex clinical presentations, followed by a Q&A panel with all speakers. This event is designed to provide clinicians with a nuanced understanding of how to effectively integrate advanced cfDNA testing into prenatal care.