Prenatal Diagnosis of Congenital Heart Diseases

by

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Abstract

Congenital heart disease is the leading cause of birth defect worldwide. Genetic mutation is a major contributor to certain types of congenital heart diseases, such as Tuberous sclerosis (TSC) and Marfan syndrome. Here I introduce a feasible pipeline for prenatal diagnosis of congenital heart diseases. Patients are enrolled due to either familial history of genetic mutation or abnormality during prenatal screening. Invasive and non-invasive methods are employed to analysis fetal genetic variations. Preliminary results have demonstrated the power of our pipeline. We hope our method can be further improved and adopted by clinics in the near future.

Date : 3 March 2017 (Friday)
Time : 4:00 p.m.
Venue : Lecture Theatre C
The Hong Kong University of Science & Technology
Clear Water Bay, Kowloon

(Host faculty : Dr. Angela WU)

All are Welcome!!