香港中文大學
The Chinese University of Hong Kong

2018/19

Professional Training Course in
Clinical Genetics

(Course CNGT5003 in Master of Science in Medical Genetics)

Part I – September & October 2018

Part II – January & February 2019

Allan Chang Seminar Room, 1/F, Block E, Prince of Wales Hospital, Shatin

Background

With the advances in the molecular genomic and genetic technology, we now have a much better understanding of the etiology of many diseases, which has widened the scope of clinical genetics from traditional paediatic syndromal disorders to fetal diseases, as well as to adult-onset diseases such as neurogenetic and oncological disorders. A wide range of laboratorial technologies also provides not only an accurate genetic diagnosis but also prenatal assessment and carrier screening.

Objectives

- ✓ To provide basic knowledge on genetics and common genetic diseases for clinicians, nurses and laboratory professionals who need to counsel, investigate and manage patients and families at risk of genetic disorders in their daily practice.
- ✓ To update the health care professional on the advances in the genomic and genetic technology in assisting clinical diagnosis and management.
- ✓ To serve as a preparation course for health care professional who want to further pursue a higher education in the field of clinical genetics.

Organizer

Department of Obstetrics and Gynaecology,
The Chinese University of Hong Kong

Entry Requirement

Applicants should possess a degree or equivalent and currently working in the relevant field.

Target Participants

- ✓ Clinical professionals (such as obstetricians, paediatricians, physicians, nurses and midwives), who are managing patients and families with genetic diseases in their daily practice.
- ✓ Laboratorial professionals who are working with genetic and genomic testing
- ✓ Clinical and laboratorial professionals who plan for a master's degree education in the field of clinical genetics

Course Description

Clinical genetics deals with direct clinical care of patients with genetic disease, including diagnosis, management and counselling as well as development of a genomic approach to human diseases in clinical setting which requires the application of all of the basic principles of medical genetics taught in this course.

Course Design

The course comprises of lectures and e-learning platform. The course is delivered through lectures and interactive case discussion with total 26 hours (2 units). Overseas renowned professors, local professionals and academic staff of the Department of Obstetrics and Gynaecology, CUHK are invited to be our teaching faculty.

Assessment

Written examination / assignment

Language

English

Our Overseas Teaching Panel

Prof. Fernando Scaglia
Molecular and Human Genetics
Baylor College of Medicine
Houston, TX, US

Prof. Reid Sutton
Molecular and Human Genetics
Baylor College of Medicine
Houston, TX, US

Part I – Sept & Oct 2018 Course Schedule (Total 13 hours)

Course Mode	Date		Time	Hours	Venue
On Campus	2-Sept 2018	Sun	1100-1800	5	ACS
	3-Sept 2018	Mon	1200-1600	3	
Online/ Presentation	3-Oct 2018	Wed	1830-2130	3	TBC
	24-Oct 2018	Wed	1830-2030	2	
ACS: Allan Chang Seminar Room, 1/F, Blk E, Prince of Wales Hospital					

Part II – Jan & Feb 2019 Course Schedule (Total 13 hours)

Course Mode	Date		Time	Hours	Venue
On Campus	18-Jan 2019	Fri	TBC	8	ACS
	19-Jan 2019	Sat			
	20-Jan 2019	Sun			
	21-Jan 2019	Mon			
Online/ Presentation	TBC			5	TBC
ACS: Allan Chang Seminar Room, 1/F, Blk E, Prince of Wales Hospital					

Accreditation

Pending **CME** points accredited by HKCOG
Pending **PEM** points accredited by Dept of O&G, CUHK

Tuition Fee

HK$10,000 (cheque payable to "The Chinese University of Hong Kong")

Graduation Requirement

Students must fulfill all of the following criteria to be granted a:

Certificate of Completion

- An overall attendance rate of 80%
- Pass the assessment

Certificate of Attendance

- An overall attendance rate of 80% but failed the assessment

Course Program

Cleft lip & palate
Common microdeletion disorders
Common trisomies
Congenital heart defects
E-learning
Genetics of intellectual disability & autism
Hearing loss/Deafness
Hemoglobinopathies
Inheritance: AD, AR, X-linked and mitochondrial
Introduction to morphology & dysmorphology
Leukodystrophies
Neural tube defects
Neurogenetics
Noonan, CFC & Costello syndromes
Overgrowth syndromes
Phaekomatoses
Pharmacogenetics
Postnatal diagnostic of skeletal dysplasias
Prenatal diagnosis of genetic growth disorders
Prenatal diagnosis of skeletal dysplasia
Prenatal genetic diagnosis of congenital heart defects
Teratogenesis & mutation
Uniparental disomy/imprinting

Online Registration

https://cloud.itsc.cuhk.edu.hk/webform/view.php?id=5636313

Registration and Enquiry

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