

THE UNIVERSITY OF HONG KONG
LI KA SHING FACULTY OF MEDICINE

Updated on 22 May 2014

Master of Medical Sciences (MMedSc) 2013/2014

Specialised field of study: OBGY6600 Genetic Counselling

Module 3: Clinical application of genetic, cytogenetic & biochemical analyses in genetic diagnosis and screening

Date	Time	No. of hour(s)	Topic	Teaching mode	Teacher	Dept	Venue
19/07/2014 (Saturday) 4 hrs	A. Molecular genetics						
	8:45 - 9:00 am		Briefing by the module coordinator		Prof. CW Lam		QMH (Room 004, UPB, HKU)
	9:00 - 10:00 am	1	Biochemical diagnosis of acute IEM patients	Lecture	Prof. CW Lam	Path, HKU	
	10:00 - 11:00 am	1	SNP arrays in clinical practice	Lecture	Prof. CW Lam	Path, HKU	
	11:00 am - 12:00 noon	1	Expanded newborn screening for metabolic disease	Lecture	Dr. Chloe Mak	Path, HKU	
12:00 - 1:00 pm	1	QMH laboratory visit	Lab visit	Dr. T Wan / Dr. Eric Law	Path, QMH/HKU		
26/07/2014 (Saturday) 3.5 hrs	B. Biochemical genetics						
	9:00 - 10:00 am	1	Genetics of colon cancer	Lecture	Prof. SY Leung	Path, HKU	QMH (Room 004, UPB, HKU)
	10:15 - 11:15 am	1	Pharmacogenetics	Tutorial	Dr. WT Poon	Path, PYNEH	
	C. Genetics in haematology						
11:30 am - 1:00 pm	1.5	Genetics of hematological diseases	Lecture	Dr. Jason So	Path, HKU		
02/08/2014 (Saturday) 5 hrs	D. Practicum: Interpretation of genetic reports						
	9:00 - 10:00 am	1	Bioinformatics for mutation reporting	Lecture	Prof. CW Lam	Path, HKU	PMH (Conference Room 615, block G, PMH)
	10:15 - 11:15 am	1	Inherited metabolic disease	Tutorial	Prof. CW Lam	Path, HKU	
	11:30 am - 12:00 noon	0.5	Endocrine disorders	Tutorial	Prof. CW Lam	Path, HKU	
	12:00 - 12:30 pm	0.5	Neuromuscular diseases	Tutorial	Dr. Hencher Lee	Path, PMH	
	1:30 - 2:00 pm	0.5	Neurogenetics	Tutorial	Dr. Doris Ching	Path, PMH	
	2:00 - 2:30 pm	0.5	Bone disorders	Tutorial	Dr. Sammy Chen	Path, PMH	
2:30 - 3:30 pm	1	PMH genetic laboratory visit	Lab visit	Dr. Sammy Chen	Path, PMH		
09/08/2014 (Saturday) 4.5 hrs	E. Cytogenetics						
	9:00 - 10:00 am	1	Genetics of breast and ovarian cancer	Lecture	Prof. US Khoo	Path, HKU	TYH (Lecture Hall, 6/F)
	10:00 - 11:00 am	1	Constitutional cytogenetics	Lecture	Dr. Mary Tang	O&G, TYH	
	11:00 am - 12:00 noon	1	Prenatal molecular cytogenetics	Lecture	Dr. Elizabeth Lau	O&G, TYH	
	12:00 - 1:00 pm	1	TYH laboratory visit	Lab visit	Mr WK Tam	O&G, TYH	
1:00 - 1:30 pm	0.5	Practicum: Interpretation of prenatal cytogenetic reports	Tutorial	Dr. Mary Tang / Mr WK Tam	O&G, TYH		
16/08/2014 (Saturday) 3 hrs	F. Next generation sequencing						
	9:00 - 9:30 am	0.5	Next-generation sequencing (hardware and software)	Lecture	Dr. Kelvin Chan	O&G, TYH	TYH (Lecture Hall, 6/F)
	9:30 - 10:30 am	1	Next-generation sequencing – case application	Lecture	Dr. Ivan Lo	CGS	
	10:45 - 11:45 am	1	Postnatal Array CGH - case presentation	Lecture	Dr. HM Luk	CGS	
	11:45 am - 12:15 pm	0.5	Practicum: Interpretation of reports	Tutorial	Dr. Kelvin Chan	O&G, TYH / Path, HKU	

Assessment:

90 % in-course assessment / presentation
10% attendance