

Hong Kong College of Radiologists

Fellowship Basic Training Course Programme– Physics 2014

Venue: Lecture Room (J-LG04), Lower Ground, Block J, Queen Elizabeth Hospital

Date	Time	Lecture	Topic	Speaker
5 July 14	9:00am - 9:45am	P01 Mandatory lecture	*Formation and structure of HKCR	Dr. Lilian Leong
	10:00am - 10:45am	P02 Mandatory lecture	*Good practice in radiology	Dr. Lilian Leong
	11:00am - 12:30pm	P03 Mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Dr. Sherry Ng
12 July 14	9:00am - 12:00pm	P04 Physics	Principles of medical diagnostic imaging	Dr. Carrison Tong
19 July 14	9:00am - 12:00pm	P05 Physics	Radiography with x-rays. Image formation, image quality, equipment performance & QC	Mr. Daniel Sung
26 July 14	9:00am - 12:00pm	P06 Physics	Fluoroscopy with x-rays. Image formation, contrast agents, image quality, equipment performance & QC	Mr. Daniel Sung
2 Aug 14	9:00am - 12:00pm	P07 Physics Mandatory lecture	*Radiation safety and protection in radiography and fluoroscopy with x-rays including interventional radiology. Highlights on staff protection in daily practices	Mr. K F Wong
9 Aug 14	9:00am - 12:00pm	P08 Physics	Tomographic reconstruction. X-ray computed tomography, image quality, image processing, artifacts, equipment performance & QC	Mr. Marco Lo
16 Aug 14	9:00am - 12:00pm	P09 Physics Mandatory lecture	*UK framework for ionising radiation protection (I)	Dr. K K Chan
23 Aug 14	9:00am - 12:00pm	P10 Physics Mandatory lecture	*UK framework for ionising radiation protection (II) Introduction to HK framework for ionising radiation protection (HK framework not examinable by RCR)	Dr. K K Chan
30 Aug 14			No lecture (to avoid clashes with Anatomy lecture)	
6 Sep 14	9:00am - 12:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC	Dr. John Lam
13 Sep 14	9:00am - 12:00pm	P12 Physics	SPECT & PET. Image processing, equipment performance & QC	Mr. Samuel Leung
20 Sep 14	9:00am - 11:00pm	P13 Physics Mandatory lecture	*Radiation safety and protection in the use of radioisotopes in imaging, management of the radioactive patients, handling of contaminations and radioactive waste	Mr. Samuel Leung
	11:00am - 12:30pm	P14 Physics Mandatory lecture	*Radiation safety and protection in CT, dose reduction techniques, low-dose CT scanners; emphasis on paediatrics	Mr. Marco Lo

27 Sep 14	9:00am - 10:30pm	P15 Physics Mandatory lecture	*Radiation safety and protection for female patients of childbearing age, pregnant women (staff and patients) and children	Dr. April Chow
	10:30am - 12:00pm	P16 Physics Mandatory lecture	*Management of radiation incidents – inadvertent exposures of foetus, patient, staff and member of public; cancer risk estimation, counseling, medical management of any acute exposure	Dr. Francis Tang
4 Oct 14	9:00am - 10:30pm	#P17 Physics Mandatory lecture	*Good and bad radiation protection practices - flashcards for daily practices	Dr. Sunny Tse
	10:30am - 12:00pm	#P18 Physics Mandatory lecture	*International and local guidelines, rules and regulations on the safe use of medical radiation	Dr. Thomas Ng
11 Oct 14	9:00am - 12:00pm	P19 Physics Mandatory lecture	*Nuclear magnetic resonance. Magnetic resonance imaging and safety (I)	Dr. David Yeung
18 Oct 14	9:00am - 12:00pm	P20 Physics Mandatory lecture	*Nuclear magnetic resonance. Magnetic resonance imaging and safety (II)	Dr. David Yeung
25 Oct 14	9:00am - 12:00pm	P21 Physics	Physics of ultrasound. Imaging and safety (I)	Dr. Louis Lee
1 Nov 14	22 nd Annual Scientific Meeting of HKCR			
8 Nov 14	9:00am - 12:00pm	P22 Physics	Physics of ultrasound. Imaging and safety (II)	Dr. Louis Lee
15 Nov 14	9:00am - 10:00am	P23-24 Mandatory Lectures- Safe use of contrast media	*Iodine-based contrast media	Dr. Elaine Kan
	10:15am - 11:15am		*USG contrast media	Ms. Stella Ho
	11:30am - 12:30pm	#P25 Physics Mandatory lecture	*Important international organizations concerned with radiation protection standards and trend of radiation protection in medical imaging	Prof PL Khong
22 Nov 14	9:00am - 10:00am	P26	Audit and quality assurance	Dr. Henry Huang
	10:15am - 11:15am	P27 Mandatory Lectures- Safe use of contrast media	*MRI contrast media	Dr. M K Yuen
	11:30am – 12:30pm	P28 Physics	Clinical Audit (Practical hints)	Dr Ryan KL Lee
29 Nov 14	9:30am – 11:30am	Mandatory	*MCQ Test on Radiation Protection	Dr Francis Tang

**These Mandatory Lectures would apply to all those trainees who would commence the radiology training since 1 July 2014, and they would be required to attend once before attempting for Exit Assessment. These lectures are opened to all College's members for attendance free of charge.*

*# Extra lectures on radiation protection (part of the materials are not examinable by RCR)
An MCQ test for lectures 07, 09, 10, 13-18, 25 will be conducted on 29 Nov 2014.*

In case of Black Rainstorm Warning or after hoisting of Typhoon Signal No.8 or above, lectures will be postponed until further notice.