

Hong Kong College of Radiologists

Fellowship Basic Training Course (Radiology) – Physics 2018

Venues:

- Lecture Room (J-G03), Ground Floor, Block J, Queen Elizabeth Hospital
- †Lecture Theatre, 12/F, Block R, Queen Elizabeth Hospital

Date	Time	Lecture	Topic	Speaker
7 July 18	9:00am - 10:00am	P01 Mandatory lecture	* Formation and structure of HKCR	Dr. Lilian Leong
	10:15am - 12:00pm	P02 Mandatory lecture	* Good practice in radiology	Dr. Lilian Leong
14 July 18	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging (RCR syllabus 4.1, 4.2)	Dr. Carrison Tong
	2:00pm – 3:00pm	P22	Clinical Audit (Practical hints)	Dr. Ryan KL Lee
21 July 18	9:00am - 12:00pm	P08 Physics	Radiography with x-rays. Image formation, image quality, equipment performance & QC (RCR syllabus 4.5)	Mr. K F Wong
28 July 18	No lecture (to avoid clashes with Anatomy lecture)			
4 Aug 18	9:00am - 12:00pm	P09 Physics	Fluoroscopy with x-rays. Image formation, contrast agents, image quality, equipment performance & QC (RCR syllabus 4.6)	Mr. K F Wong
	2:00pm – 3:00pm †	P13 Physics mandatory lecture	* International and local guidelines, rules and regulations on the safe use of medical radiation	Dr. April Chow
	3:00pm – 4:30pm †	#P20 Physics mandatory lecture	* Radiation safety and protection for female patients of childbearing age, pregnant women (staff and patients) and children	Dr. April Chow
11 Aug 18	9:00am - 12:00pm	P10 Physics	Tomographic reconstruction. X-ray computed tomography, image quality, image processing, artifacts, equipment performance & QC (RCR syllabus 4.12, 4.13 except last 2 bullets)	Mr. Marco Lo
	2:00pm – 3:30pm †	P15 Physics mandatory lecture	* Radiation safety and protection in CT, dose reduction techniques, low-dose CT scanners; emphasis on paediatrics (RCR syllabus 4.13, last 2 bullets)	Mr. Marco Lo
18 Aug 18	9:00am – 12:00pm	P03 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (I) (RCR syllabus 4.16, 4.17, 4.18; relevant topics in 4.23, 4.24)	Dr. Matthew Cheung
	2:00pm – 5:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC (RCR syllabus 4.8, 4.9)	Mr. Samuel Leung

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Date	Time	Lecture	Topic	Speaker
25 Aug 18	9:00am - 12:00pm	P06 Physics	Physics of ultrasound. Imaging and safety (I) (RCR syllabus 4.19, 4.20, 4.21)	Mr. K F Wong
	2:00pm - 5:00pm	P04 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (II) (RCR syllabus 4.16, 4.17, 4.18; relevant topics in 4.23, 4.24)	Dr. Matthew Cheung
1 Sep 18	9:00am - 12:00pm	P07 Physics	Physics of ultrasound. Imaging and safety (II) (RCR syllabus 4.19, 4.20, 4.21)	Mr. K F Wong
	2:00pm - 4:30pm [†]	P14 Physics mandatory lecture	* Radiation safety and protection in radiography and fluoroscopy with x-rays including interventional radiology. Highlights on staff protection in daily practices (RCR 4.7)	Mr. K F Wong
8 Sep 18	9:00am - 12:00pm	P12 Physics	SPECT & PET/CT. Image processing, equipment performance & QC (RCR syllabus 4.14, 4.15; relevant topics in 4.23, 4.24)	Mr. Samuel Leung
	2:00pm – 5:00pm [†]	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I) (RCR syllabus 4.11)	Dr. K K Chan
15 Sep 18	10:00am - 11:00am	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Elaine Kan
	11:00am - 11:30pm	* Plain film 1	Plain film reading – Pelvis	Dr. Stephen Kwok
	11:30am - 12:00pm	* Plain film 2	Plain film reading – A&E Trauma	Dr. Alexander Lee
	2:00pm - 5:00pm [†]	P18 Physics mandatory lecture	* UK framework for ionising radiation protection (II) Introduction to HK framework for ionising radiation protection (HK framework not examinable by RCR) (RCR syllabus 4.11)	Dr. K K Chan
22 Sep 18	9:00am - 10:00am	P25	Audit and quality assurance	Dr. Henry Huang
	10:15am - 11:15am	P26 Mandatory lecture	* MRI contrast media	Dr. M K Yuen
	11:30am - 12:30pm	P27 Mandatory lecture	* USG contrast media	Dr. Stella Ho
	2:00pm - 3:30pm [†]	P21 Physics mandatory lecture	* Important international organizations concerned with radiation protection standards and trend of radiation protection in medical imaging	TBC
	3:30pm - 5:00pm [†]	P24 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

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Date	Time	Lecture	Topic	Speaker
29 Sep 18	2:00pm - 3:30pm [†]	#P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Dr. Sherry Ng
	3:30pm - 5:00pm [†]	P16 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 (RCR syllabus 4.10)	Mr. Samuel Leung
6 Oct 18	2:00pm - 3:30pm [†]	#P28 Physics mandatory lecture	* Good and bad radiation protection practices - flashcards for daily practices	Dr. Sunny Tse
	3:30pm - 4:00pm	❖ Plain film 3	Plain film reading – Foot and Ankle	Dr. Bill Lo
	4:00pm - 4:30pm	❖ Plain film 4	Plain film reading – Chest	Dr. Kassel Tsang
13 Oct 18	2:00pm - 4:00pm [†]	Mandatory	* MCQ Test on Radiation Protection	Dr. Francis Tang

**These Mandatory Lectures would apply to all those trainees who 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 all radiation protection lectures (P13 – P21, P24) will be conducted on 13 October 2018.*

❖ Plain film reading lectures (Plain film 1 – 4) would not be counted in the attendance rate of Fellowship Basic Training Course (Radiology) – Physics.

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