

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, Department of Clinical Oncology, 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	P26 Mandatory lecture	* MRI contrast media	Dr. M K Yuen
	11:00am - 11:30pm	❖ Plain film 1	Plain film reading – Pelvis	Dr. Stephen Kwok
	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	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Elaine Kan
	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	Dr. PM Wu
	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
	4:00pm – 4:30pm [†]	* Plain film 2	Plain film reading – A&E Trauma	Dr. Alexander Lee

*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.