

Hong Kong College of Radiologists

Fellowship Basic Training Course (Radiology) – Physics 2020

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
4 July 20	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
11 July 20	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging (RCR syllabus 4.1, 4.2)	Dr. Carrison Tong
	2:00pm – 3:00pm	P26 Mandatory lecture	* MRI contrast media	Dr. M K Yuen
18 July 20	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
	2:00pm – 3:00pm	P22	Clinical Audit (Practical hints)	Dr. Ryan KL Lee
25 July 20	No lecture (to avoid clashes with Anatomy lecture)			
1 Aug 20	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 - 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 Aug 20	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
15 Aug 20	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)	Mr. Alvin Li
	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. Teddy Tang

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22 Aug 20	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)	Mr. Alvin Li
29 Aug 20	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 – 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
5 Sep 20	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. Teddy Tang
	2:00pm – 5:00pm [†]	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I) (RCR syllabus 4.11)	Mr. Andy Cheung
12 Sep 20	10:00am - 11:00am	P25	Audit and quality assurance	Dr. Henry Huang
	11:00am - 11:30am	❖ 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)	Mr. Andy Cheung
19 Sep 20	9:00am - 10:00am	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Elaine Kan
	10:15am - 11:15am	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
26 Sep 20	2:00pm - 3:30pm [†]	#P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Mr. Andy Cheung
	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. Teddy Tang
3 Oct 20	2:30pm - 3:00pm	♣ Plain film 3	Plain film reading – Foot and Ankle	Dr. Bill Lo
	3:00pm - 3:30pm	♣ Plain film 4	Plain film reading – Chest	Dr. Gloria Wong
	3:30pm - 5:00pm [†]	#P28 Physics mandatory lecture	* Good and bad radiation protection practices - flashcards for daily practices	Dr. Sunny Tse
10 Oct 20	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 & P28) will be conducted on 10 October 2020.

♣ 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.