

# Hong Kong College of Radiologists

## Fellowship Basic Training Course (Radiology) – Physics 2021

**Venues:**

*^Lecture Theatre, 12/F, Block R, Department of Clinical Oncology, Queen Elizabeth Hospital*

Date	Time	Lecture	Topic	Speaker
3 Jul 21	9:30am - 10:30am <sup>^</sup>	P01 Mandatory lecture	* Formation and structure of HKCR	Dr. Lilian Leong
	10:45am - 12:30pm <sup>^</sup>	P02 Mandatory lecture	* Good practice in radiology	Dr. Lilian Leong
10 Jul 21	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging	Dr. Carrison Tong
17 Jul 21	9:00am - 12:00pm	P08 Physics	Radiography with x-rays. Image formation, image quality, equipment performance & QC	Dr. Thomas Choi
	2:00pm - 3:00pm	P22	Clinical Audit (Practical hints)	Dr. Ryan KL Lee
24 Jul 21	9:00am - 12:00pm	P09 Physics	Fluoroscopy with x-rays. Image formation, contrast agents, image quality, equipment performance & QC	Mr. Keith Kwan
	2:00pm - 3:30pm	P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Mr. Andy Cheung
31 Jul 21	No lecture (to avoid clashes with Anatomy lecture)			
7 Aug 21	9:00am - 12:00pm	P10 Physics	Tomographic reconstruction. X-ray computed tomography, image quality, image processing, artifacts, equipment performance & QC	Mr. Adson Leung
	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	Mr. Sebastian Lee
14 Aug 21	9:00am - 12:00pm	P03 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (I)	Mr. Alvin Li
	2:00pm - 5:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC	Mr. Teddy Tang
21 Aug 21	9:00am - 12:00pm	P06 Physics	Physics of ultrasound. Imaging and safety (I)	Ms. Amy Leung
	2:00pm - 5:00pm	P07 Physics	Physics of ultrasound. Imaging and safety (II)	
28 Aug 21	9:00am - 12:00pm	P04 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (II)	Mr. Alvin Li
	2:00pm - 3:30pm	P15 Physics mandatory lecture	* Radiation safety and protection in CT, dose reduction techniques, low-dose CT scanners; emphasis on paediatrics	Mr. Clayton Lau

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	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	Mr. Teddy Tang
4 Sep 21	9:00am - 12:00pm	P12 Physics	SPECT & PET/CT. Image processing, equipment performance & QC	Mr. Teddy Tang
	2:00pm - 3:30pm	P13 Physics mandatory lecture	* International and local guidelines, rules and regulations on the safe use of medical radiation	Dr. Francis Lee
	3:30pm - 5:00pm	P21 Physics mandatory lecture	* Important international organizations concerned with radiation protection standards and trend of radiation protection in medical imaging	Dr. PM Wu
11 Sep 21	10:00am - 11:00am	P25	Audit and quality assurance	Dr. Victor Chan
	11:00am - 11:30am	*Plain film 4	Plain film reading – Chest	Dr. WH Chong
	11:30am - 12:00pm	*Plain film 2	Plain film reading – A&E Trauma	Dr. Alexander Lee
	2:00pm - 5:00pm	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I)	Mr. Andy Cheung
18 Sep 21	9:00am - 10:00am	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Shiobhon Luk
	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 - 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)	Mr. Andy Cheung
25 Sep 21	2:00pm - 3:30pm	P20 Physics mandatory lecture	* Radiation safety and protection for female patients of childbearing age, pregnant women (staff and patients) and children	Mr. Alvin Li
	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, counselling, medical management of any acute exposure	Dr. Francis Tang
2 Oct 21	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 1	Plain film reading – Pelvis	Dr. Stephen Kwok

## Hong Kong College of Radiologists Fellowship Basic Training Course (Radiology) – Physics 2021

Date	Time	Lecture	Topic	Speaker
16 Oct 21	2:00pm - 4:00pm <sup>^</sup>	Mandatory	* MCQ Test on Radiation Protection	Dr. Francis 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.*

*^The lectures on 3 July & 9 Oct 2021 would be conducted physically at Lecture Theatre, 12/F, Block R, Department of Clinical Oncology, Queen Elizabeth Hospital. All other lectures would be conducted virtually via Zoom platform.*

*An MCQ test for all radiation protection lectures (P13 – P21, P24, P28) will be conducted on 9 October 2021.*

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

***#The timetable is subject to change.***