

# Hong Kong College of Radiologists

## Fellowship Basic Training Course (Radiology) – Physics 2023

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

Date	Time	Lecture	Topic	Speaker
8 Jul 23	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	
22 Jul 23	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging	Dr. Carrison Tong Mr. Oliver Chan
	2:00pm - 3:00pm	P22	Clinical Audit (Practical hints)	Dr. Ryan KL Lee
	3:15pm – 4:15pm	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Philip Lee
29 Jul 23	9:00am - 12:00pm	P08 Physics	Radiography with x-rays. Image formation, image quality, equipment performance & QC	Dr. Thomas Choi
5 Aug 23	9:00am - 12:00pm	P03 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (I)	Mr. Alvin Li
	2:00pm - 3:30pm	P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards <b>(examinable by RCR)</b>	Dr. Andy Cheung
12 Aug 23	9:00am - 12:00pm	P04 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (II)	Mr. Alvin Li
	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 <b>(examinable by RCR)</b>	Mr. Sebastian Lee
19 Aug 23	9:00am - 12:00pm	P09 Physics	Fluoroscopy with x-rays. Image formation, contrast agents, image quality, equipment performance & QC	Mr. Keith Kwan
	2:00pm - 5:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC	Mr. Teddy Tang
26 Aug 23	9:00am - 12:00pm	P06 Physics	Physics of ultrasound. Imaging and safety (I)	Mr. Keith Kwan
	2:00pm - 5:00pm	P07 Physics	Physics of ultrasound. Imaging and safety (II)	

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9 Sep 23	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
16 Sep 23	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. May Leng
	2:00pm - 5:00pm	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I) ( <b>examinable by RCR</b> )	Dr. Andy Cheung
	5:15pm - 6:45pm	P15 Physics mandatory lecture	* Radiation safety and protection in CT, dose reduction techniques, low-dose CT scanners; emphasis on paediatrics ( <b>examinable by RCR</b> )	Dr. Chris Yu
23 Sep 23	10:15am - 11:15am	P26 Mandatory lecture	* MRI contrast media	Dr. MK Yuen
	11:30am - 12:30pm	P27 Mandatory lecture	* USG contrast media	Ms. Pat Wong
	2:00pm - 5:00pm	P18 Physics mandatory lecture	* UK framework for ionising radiation protection (II) ( <b>examinable by RCR</b> ) & Introduction to HK framework for ionising radiation protection	Dr. Andy Cheung
30 Sep 23	<b>Public Holiday (The day following the Chinese Mid-Autumn Festival)</b>			
7 Oct 23	10:45am - 11:15am	*Plain film 1	Plain film reading – Pelvis	Dr. Stephen Kwok
	11:30am - 1:00pm	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 ( <b>examinable by RCR</b> )	Mr. Teddy Tang
	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

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Date	Time	Lecture	Topic	Speaker
14 Oct 23	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 - 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
21 Oct 23	2:00pm - 4:00pm	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.

An MCQ test for all radiation protection lectures (P13 – P21, P24, P28) will be conducted on 21 October 2023.

\* 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.

#The timetable is subject to change.