

# 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 <sup>†</sup>	P01 Mandatory lecture	* Formation and structure of HKCR	Dr. Lilian Leong
	10:15am - 12:00pm <sup>†</sup>	P02 Mandatory lecture	* Good practice in radiology	Dr. Lilian Leong
11 July 20	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging <b>(RCR syllabus 4.1, 4.2)</b>	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 <b>(RCR syllabus 4.5)</b>	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 <b>(RCR syllabus 4.6)</b>	Mr. K F Wong
	2:00pm - 4:30pm <sup>†</sup>	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>(RCR 4.7)</b>	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 <b>(RCR syllabus 4.12, 4.13 except last 2 bullets)</b>	Mr. Marco Lo
	2:00pm – 3:30pm <sup>†</sup>	P15 Physics mandatory lecture	* Radiation safety and protection in CT, dose reduction techniques, low-dose CT scanners; emphasis on paediatrics <b>(RCR syllabus 4.13, last 2 bullets)</b>	Mr. Marco Lo
15 Aug 20	9:00am – 12:00pm	P03 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (I) <b>(RCR syllabus 4.16, 4.17, 4.18; relevant topics in 4.23, 4.24)</b>	Mr. Alvin Li
	2:00pm – 5:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC <b>(RCR syllabus 4.8, 4.9)</b>	Mr. Teddy Tang

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Date	Time	Lecture	Topic	Speaker
22 Aug 20	9:00am - 12:00pm	P06 Physics	Physics of ultrasound. Imaging and safety (I) <b>(RCR syllabus 4.19, 4.20, 4.21)</b>	Mr. K F Wong
	2:00pm - 5:00pm	P04 Physics mandatory lecture	* Nuclear magnetic resonance. Magnetic resonance imaging and safety (II) <b>(RCR syllabus 4.16, 4.17, 4.18; relevant topics in 4.23, 4.24)</b>	Mr. Alvin Li
29 Aug 20	9:00am - 12:00pm	P07 Physics	Physics of ultrasound. Imaging and safety (II) <b>(RCR syllabus 4.19, 4.20, 4.21)</b>	Mr. K F Wong
	2:00pm – 3:00pm <sup>†</sup>	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 <sup>†</sup>	#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 <b>(RCR syllabus 4.14, 4.15; relevant topics in 4.23, 4.24)</b>	Mr. Teddy Tang
	2:00pm – 5:00pm <sup>†</sup>	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I) <b>(RCR syllabus 4.11)</b>	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 <sup>†</sup>	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) <b>(RCR syllabus 4.11)</b>	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 <sup>†</sup>	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 <sup>†</sup>	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

## Hong Kong College of Radiologists Fellowship Basic Training Course (Radiology) – Physics 2020

Date	Time	Lecture	Topic	Speaker
26 Sep 20	2:00pm - 3:30pm <sup>†</sup>	#P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Mr. Andy Cheung
	3:30pm - 5:00pm <sup>†</sup>	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>(RCR syllabus 4.10)</b>	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 <sup>†</sup>	#P28 Physics mandatory lecture	* Good and bad radiation protection practices - flashcards for daily practices	Dr. Sunny Tse
10 Oct 20	2:00pm - 4:00pm <sup>†</sup>	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 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.