

## Hong Kong College of Radiologists Fellowship Basic Training Course (Radiology) – Physics 2017

**Venues:**

- Lecture Room (J-G03), Ground Floor, Block J, Department of Radiology and Imaging, Queen Elizabeth Hospital
- †Lecture Theatre, 12/F, Block R, Department of Clinical Oncology, Queen Elizabeth Hospital

Date	Time	Lecture Code	Topic	Speaker
8 Jul 17	9:30am – 11:00am	#P19 Physics mandatory lecture	* Radiation interactions, absorbed dose, biological effects, internal and external hazards	Dr. Sherry Ng
	11:00am – 11:30am	C01 mandatory lecture	* FRCR Examination Format in Clinical Oncology	Dr. CK Law
15 Jul 17	9:00am - 12:00pm	P05 Physics	Principles of medical diagnostic imaging <b>(RCR syllabus 4.1, 4.2)</b>	Dr. Carrison Tong
22 Jul 17	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>	Dr. Matthew Cheung
	12:15pm - 13:15pm	P22	Clinical Audit (Practical hints)	Dr. Ryan Lee
29 Jul 17	No lecture (to avoid clashes with Anatomy lecture)			
5 Aug 17	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 – 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>(RCR 4.7)</b>	Mr. K F Wong
	4:30pm – 5:30pm †	P13 Physics mandatory lecture	* International and local guidelines, rules and regulations on the safe use of medical radiation	Dr. Thomas Ng
12 Aug 17	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 – 3:00pm	P01 Mandatory lecture	* Formation and structure of HKCR	Dr. Lilian Leong
	3:15pm – 5:00pm	P02 Mandatory lecture	* Good practice in radiology	Dr. Lilian Leong
19 Aug 17	9:00pm – 12:00pm	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>	Dr. Matthew Cheung

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	2:00pm – 5:00pm	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
26 Aug 17	9:00am - 12:00pm	P11 Physics	Radioactivity and properties of radiopharmaceuticals. Planar radionuclide imaging, equipment performance and QC <b>(RCR syllabus 4.8, 4.9)</b>	Mr. Samuel Leung
	2:00pm - 5:00pm	P06 Physics	Physics of ultrasound. Imaging and safety (I) <b>(RCR syllabus 4.19, 4.20, 4.21)</b>	Dr. Louis Lee
2 Sep 17	9:00am - 12:00pm	P07 Physics	Physics of ultrasound. Imaging and safety (II) <b>(RCR syllabus 4.19, 4.20, 4.21)</b>	Dr. Louis Lee
	2:00pm - 3:30pm <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. Samuel Leung
9 Sep 17	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. Samuel Leung
	2:00pm – 5:00pm <sup>†</sup>	P17 Physics mandatory lecture	* UK framework for ionising radiation protection (I) <b>(RCR syllabus 4.11)</b>	Dr. K K Chan
16 Sep 17	10:00am - 11:00am	P23 Mandatory lecture	* Iodine-based contrast media	Dr. Elaine Kan
	11:00am - 12:00pm	P25	Audit and quality assurance	Dr. Henry Huang
	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>	Dr. K K Chan
23 Sep 17	10:15am - 11:15am	P26 Mandatory lecture	* MRI contrast media	Dr. M K Yuen
	11:30am - 12:30pm	P27 Mandatory lecture	* USG contrast media	Ms. 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	TBC
	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

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Date	Time	Lecture Code	Topic	Speaker
30 Sep 17	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
	3:30pm - 5:00pm <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
7 Oct 17	2:00pm – 3:30pm <sup>†</sup>	#P28 Physics mandatory lecture	* Good and bad radiation protection practices - flashcards for daily practices	Dr. Sunny Tse
14 Oct 17	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.**

**\*This mandatory lecture would apply to all trainees who commence the clinical oncology training since 2013. They should attend all mandatory lectures once before they are allowed to sit for the Exit Assessment.**

**# 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 14 October 2017.**

**In case of Black Rainstorm Warning or after hoisting of Typhoon Signal No.8 or above, lectures will be postponed until further notice.**