Joint Department of Physics The Royal Marsden NHS Trust and Institute of Cancer Research Medical Imaging Physics - Diagnostic Radiology and CT, 12–14 February 2025

Wednesday 12 February 2025 - Diagnostic radiology physics toolkit; design of imaging systems

08.40 -	08.55	08.55 Coffee and Registration		
08.55 -	09.00	Jamie Dormand	Course introduction	
09.00 -	09.50	Louise Giansante	Design of the digital x-ray unit	
09.50 -	10.30	Louise Giansante	Design of the digital mammography unit	
10.30 -	10.50	Coffee		
10:50 -	12:00	Sue Edyvean	The multi-slice CT scanner	
12.00 -	13:00	Louise Giansante	Patient dosimetry techniques	
13.00 -	14.00	Lui	nch	
14.00 -	15.00	Elly Castellano	Reconstruction in CT	
15.00 -	15.20	Ed McDonagh	Digital image processing and presentation	
15.20 -	15.40	7	Теа	
15.40 -	16.20	Ed McDonagh	PACS, DICOM and displays	
16:20 -	17:20	Elly Castellano	Image quality assessment	

Thursday 13 February 2025 - Performance and testing

09.00 -	10.00	Ed McDonagh	Performance of digital X-ray detectors
10.00 -	11.00	Jamie Dormand	X-ray quality control I
11.00 -	11.20		Coffee
11.20 -	12.00	Jamie Dormand	X-ray quality control II
12.00 -	12.40	Ed McDonagh	Quantitative image quality analysis
12.40 -	13.30		Lunch
13.30 -	14.30	David Platten	Performance of CT imaging systems 1
14.30 -	15.30	David Platten	Performance of CT imaging systems 2
15.30 -	15.50		Tea
15:50 -	16:30	Jamie Dormand	CT quality control
16.30 -	17.10	Louise Giansante	Calculation of Effective Dose

Friday 14 February 2025 - Clinical applications and optimisation

09.00 - 10.00	Laurence King	Digital system design and optimisation in clinical practice
10.00 - 11.00	Dimitra Darambara	Developments in digital detector technology
11.00 - 11.20		Coffee
11.20 - 12.20	Laurence King	Advances in CT in radiology
12.20 - 13.10		Lunch
13.10 - 14.10	Alistair Mackenzie	Advances in x-ray imaging techniques
14.10 - 14.50	David Bernstein	CT in radiotherapy
14.50 - 15.30	lain Murray	CT in nuclear medicine
15.30 - 15.50		Tea
15:50 - 16:50	Laurence King	CT optimisation in clinical practice
16.50 - 17:00	Close	of meeting

Course Venue: The Royal Marsden Education and Conference Centre (Julian Bloom Lecture Theatre), Stewart's Grove, London SW3 6JJ