

PHYSICS OF MEDICAL IMAGING

NUCLEAR MEDICINE COURSE – PROVISIONAL TIMETABLE

	Day One Radionuclides & radiation protection		Day Two Gamma camera imaging	Day Three PET/CT	Day Four Internal dosimetry
9.30 – 10:15	Registration and Coffee and Course introduction <i>Dr Glenn Flux / Iain Murray</i>	09:30 – 10:15	LECTURE 7 The Gamma Camera <i>Mr Bruno Rojas</i>	LECTURE 15 Principles of CT imaging <i>Dr Elly Castellano</i>	LECTURE 22 Introduction & the MIRD schema <i>Dr Manuel Bardies</i>
10:15 – 11:00	LECTURE 1 Physics for Nuclear Medicine <i>Dr Jan Taprogge</i>	10:15 – 11:00	LECTURE 8 Nuclear Medicine Imaging Techniques <i>Dr Jonathan Gear</i>	LECTURE 16 PET Instrumentation <i>Dr Iain Murray</i>	LECTURE 23 Quantitative imaging <i>Dr Jonathan Gear</i>
		11:00 – 11:15	Coffee	Coffee	Coffee
11:00 – 12:00	LECTURE 2 Clinical Aspects of Nuclear Medicine <i>Dr Daniel Levine</i>	11:15 – 12:00	LECTURE 9 The Future of Nuclear Medicine <i>Dr Nabil Hujairi</i>	PET Instrumentation (cont)	LECTURE 24 Absorbed Dose Calculation Algorithms <i>Dr Manuel Bardies</i>
12:00 – 12:45	LECTURE 3 Radionuclide production <i>Iain Murray</i>	12:00 – 12:45	LECTURE 10 SPECT Imaging <i>Dr Jonathan Gear</i>	LECTURE 17 PET Tracer production & molecular targeting <i>Charlie Monaghan</i>	LECTURE 25 Applications of internal dosimetry <i>Dr Jonathan Gear</i>
12.45-14.00	Lunch	12.45-14.00	Lunch	Lunch	12:45 – 13:45 Lunch
14:00 – 15:00	LECTURE 4 Radiopharmaceuticals <i>Stephen Howell</i>	14:00 – 14:45	LECTURE 11 Radiation Protection in Nuclear Medicine Therapy <i>Brenda Pratt</i>	LECTURE 18 Image Processing Techniques <i>Dr Iain Murray</i>	LECTURE 26 (13:45-14:45) Radiobiology for MRT <i>Paul Gape</i>
		14:45 – 15:30	LECTURE 12 Quality Control and performance assessment of gamma camera systems <i>Allison Craig</i>	LECTURE 19 Principles of Tracer Kinetics <i>Dr Jan Taprogge</i>	LECTURE 27 Dosimetry in Emerging Clinical Therapies <i>Dr Allison Craig</i>
15:00-15:30	LECTURE 5 Radiation detectors	15:30 – 15:45	Tea	Tea	Tea
15:30 – 15:45	Tea	15:30 – 15:45	Tea	Tea	Tea
15:45 – 16:15	<i>Dr Dimitra Darambara (cont)</i>	15:45 – 16:30	LECTURE 13 Iterative reconstruction <i>Dr Iain Murray</i>	LECTURE 20 PET in Radiotherapy <i>Dr Iain Murray</i>	LECTURE 28 Practical Session <i>Dr Glenn Flux</i>
16:15 – 17:00	LECTURE 6 Radiation Protection in Nuclear Medicine <i>Allison Craig</i>		LECTURE 14 Advances in Gamma Camera Technology <i>Mr Bruno Rojas</i>	LECTURE 21 Advances in PET Technology <i>Dr Iain Murray</i>	