

## CT in Hybrid Imaging for MPEs - course programme

Day 1 – 24 September 2019		
09:30 – 09:50	Registration	
09:50 – 09:55	Welcome and introduction	Prof Steve Keevil
09:55 – 10:00	Housekeeping and outline of day 1	Kathryn Adamson
10:00 – 10:30	Technology	Bruce Walmsley
10:30 – 10:50	<b>Workshop</b> – From purchase to first clinical scan	Bruce Walmsley
10:50 – 11:20	Purchasing a hybrid system	Sarah Allen
11:20 – 11:30	Tea / Coffee	
11:30 – 12:20	Basic CT Scanning: multi-slice, helical CT	Nick Keat
12:20 – 13:10	Lunch	
13:10 – 14:00	Dose control in hybrid CT scanners	Nick Keat
14:00 – 14:15	<b>Quiz</b> - CT Physics: Technology and data acquisition	Bruce Walmsley
14:15 – 14:55	Principles of CT dosimetry, national audits and population doses	Sue Edyvean
14:55 – 15:10	Tea / Coffee	
15:10 – 15:40	Measuring CT dose and image quality	Sasha Rai
15:40 – 16:40	<b>Workshop</b> – Patient dose calculation in CT	All
16:40 – 17:00	<b>Quiz</b> - Topics of the day	Bruce Walmsley
17:00 – 17:05	Summary of day 1	Bruce Walmsley
18:00	<i>Course meal (optional)</i>	

Day 2 - 25 September 2019		
09:00 – 09:05	Outline of day 2	Kathryn Adamson
09:05 – 09:50	CT scan and image reconstruction parameters	Bruce Walmsley
09:50 – 10:10	Clinical image quality requirements in SPECT/CT	Dr Dhruva DasGupta
10:10 – 10:30	Clinical image quality requirements in PET/CT	Prof Sally Barrington
10:30 – 10:45	Tea / Coffee	
10:45 – 11:30	Practical issues in hybrid imaging	Lucy Pike
11:30 – 11:50	<b>Quiz</b> - Artefacts	Bruce Walmsley
11:50 – 12:10	PET/CT and SPECT/CT DRLs	Kathryn Adamson
12:10 – 12:50	Protocol design and optimisation	Dr Elly Castellano
12:50 – 13:50	Lunch	
13:50 – 14:30	<b>Workshop</b> – CT Protocol design	All
14:30 – 14:50	Dose vs Risk – Communicating information	Kathryn Adamson
14:50 – 15:30	<b>Workshop</b> – Incident Scenario	Bruce, Kathryn
15:30 – 15:50	Incidents and the role of the MPE	Bruce Walmsley
15:50 – 16:00	Summary of course, feedback questionnaires	Bruce Walmsley

Organisers reserve the right to make changes to the timetable.

Last Updated: 05/06/2019