King's College London Course on Simultaneous PET-MR: Science and Practice 2021

Online Course Programme

Wednesday 19 May 2021

09.15 - 09.50	**Registration & refreshments**		
09.50 - 10:00	Welcome and introduction		
MR focus group		**PET focus group**	
10.00-10:45	MR basic physics	10.00- 10:35	PET basic chemistry
10:45-11:30	MR sequences (incl. Cancer)	10:35-11:00	PET basic physics / acquisition
		11:00-11:30	PET reconstruction
11:30-12:00	**Coffee Break**		
12:00-12:30	MR reconstruction	12:00-12:30	PET analysis
12:30-13:00	Active learning MRI	12:30-13:00	Active learning PET
13:00-14:00	**Lunch Break**		
14:00-14:40	Clinical application of MRI: Heart	14:00-14:40	Clinical application of PET: Cancer
14:40-15:20	Clinical application of MRI: Brain	14:40-15:20	Clinical application of PET: Brain
15:20-15:50	**Coffee Break**		
15:50-16:30	MR applied to cancer imaging	15:50-16:30	Clinical application of PET: Heart
16:30-17:00	Workshop: MR scanners- what matters?	16:30-17:00	Workshop: PET scanners- what matters?

King's College London & Guy's and St Thomas' PET Centre

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Thursday 20 May 2021

	MR focus group	PET focus group
08:30-09:15	PET-MR scanner	PET-CT scanner
09:15-10.00	MR scanner	PET-MR scanner
10:00-10:30	**Coffee Break**	
	Joint Sessions: PET and MR focus groups	
10:30 - 11:00	PET-MR history, current state-of-the-art instrumentation	
11:00 - 11.30	PET-MR specific MR sequences	
11:30 - 12:00	PET-MR data correction: attenuation	
12:00 - 12:30	PET-MR data corrections: motion	
12:30-13:30	**Lunch Break**	
13:30-14:00	PET-MR: GE's perspective	
14:00-14.30	PET-MR: Siemens' perspective	
14:30-15:00	Workshop: Neuro reading with experts	
15:00-15:30	**Coffee Break**	
15:30-16:15	PET-MR specific reconstruction and processing	
16:15-17:15	PET-MR cancer	

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Friday 21 May 2021

	Joint Sessions: PET and MR focus groups
09:00-10.00	Full quantification of dynamic PET(-MR) data
10:00-10.45	Active learning: PET-MR(II): PET-MR experimental design
10:45-11:15	**Coffee Break**
11:15-12:15	PET-MR heart
12:15-13:30	**Lunch Break**
13:30-14:15	Active learning: PET-MR(II): PET-MR tracer and kinetic modelling
14:15-14:45	Workshop: Cancer PET-MR reading with experts
14:45-15:45	PET-MR brain
15:45-16:00	Evaluation/feedback
16:00-16:30	**Course finish**

Key

	MR focus group
	PET focus group
	Joint Session
	Active learning

Organisers reserve the right to make changes to the course programme.

Last updated: 04/02/2021

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