

SCIENTIFIC PROGRAMME

Course Directors:

Coen Rasch (CR)

Faculty:

Rianne de Jong (RdJ)

Andrew Hope (AH)

Uwe Oelfke (UO)

Marcel van Herk (MvH)

Jan-Jakob Sonke (JJS)

Parag Parikh (PP)

Pre-recorded lectures:

*available on ESTRO Moodle from 16th September

Time	Online pre-recorded material	Speakers
45 min	Technology: Planar imaging, MV and kV	MvH
45 min	Technology: kV-CBCT, in-room kV CT + MV-CT	UO

Day 1 - Sunday, 2nd October

Time	Introduction to IGRT and adaptive	Speakers
13.00 - 13.10	Welcome and general introduction	CR/JJS
13.10 - 13.50	Entry Exam	CR/JJS
	Chairperson: JJ. Sonke	
13.50 - 14.10	IGRT - clinical rationale	CR
14.10 - 14.30	IGRT - historic overview	MvH
14.30 - 15.00	<i>Coffee break</i>	
15.00 - 15.45	Delineation Uncertainty	CR
15.45 - 16.30	Errors and margins	MvH
16.30 - 17.15	RTT role in IGRT	RdJ

Day 2 - Monday, 3rd October

Time	IGRT strategies in clinical practice	Speakers
	Chairperson: C. Rasch	
09.00 - 09.45	Correction strategies: online versus offline	JJS
09.45 - 10.30	How to do offline versus online (Margins)	MvH
10.30 - 11.00	<i>Coffee break</i>	
11.00 - 11.55	Clinical prostate	PP
11.55 - 12.40	Prostate: registration issues	RdJ
12.40 - 13.40	<i>Lunch</i>	
	Chairperson: R. de Jong	
13.40 - 14.30	CBCT based offline adaptive radiation	MvH
14.30 - 15.10	CBCT Guided online adaptive	TBD/RdJ
15.10 - 15.40	<i>Coffee break</i>	
15.40 - 16.25	Technology: MRI, Surface Based and non-ionising solutions	UO
16.25 - 17.20	MRI for IGRT in practice	PP

Day 3 – Tuesday, 4th October

Time	Targets with respiratory motion	Speakers
	Chairperson: Parag Parikh	
09.00 – 10.00	Imaging in the 4 th dimension	JJS
10.00 – 11.00	Technology: 4D-IGRT	UO
11.00 – 11.30	<i>Coffee break</i>	
11.30 – 13.00	Clinical lung /breast	AH/JJS
13.00 – 14.00	<i>Lunch</i>	
	Chairperson: M. van Herk	
14.00– 15.00	Registration issues Lung/Breast	Rdj
15.00 – 15.30	<i>Coffee break</i>	
15.30 – 16.10	Radiosurgery and SBRT: from frame to frameless	AH
16.10 – 17.30	Break- out sessions (3)	
	· Physicists: QA/commissioning of IGRT and motion monitoring systems	
	· RTT: 4D including breath hold	
	· Clinicians: delineation in the presence of respiration	

Day 4 – Wednesday, 5th October

Time	Focus on adaptation	Speakers
	Chairperson: Rianne de Jong	
09.00 – 09.45	Adaptive strategies	CR
09.45 – 11.15	IGRT/adaptive for bladder and rectum	PP/UO
11.15 – 11.45	<i>Coffee break</i>	
11.45 – 12.45	Registration issues; choosing from a library of plans	Rdj
12.45 – 13.45	<i>Lunch</i>	
	Chairperson: U. Oelfke	
13.45 – 14.30	Uncertainties in image registration contour propagation	MvH
14.30 – 15.30	IGRT for CNS and Head and neck	CR/MvH
15.30 – 16.00	<i>Coffee break</i>	
16.00 – 17.30	Break- out sessions (3)	
	· Clinicians/Physicists: Adaptive Radiotherapy	
	· Clinicians/Physicists: SBRT	
	· Plan Selection/PoD	MvH

Day 5 – Thursday, 6th October

Time	Perspectives for advanced IGRT/adaptation	Speakers
	Chairperson: Marcel van Herk	
09.00 – 09.45	MR-guided radiotherapy: potential and current clinical practice	PP
09.45 – 10.30	Online adaptive, MR vs CT-guided competition or complementary	TBD/PP
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.30	AI in IGRT	AH
11.30 – 12.15	IGRT for novel treatments: cardiac ablation	AH/CR
12.15 – 13.00	Round-up + EXIT EXAM	All Faculty