

PRELIMINARY SCIENTIFIC PROGRAMME

Course Directors:

Jan-Jakob Sonke (NL)
Andrew Hope (CA)

Faculty

Parag Parikh (USA) Marcel van Herk (UK) Gitte Persson (DK)
Jenny Berthold (CH) Sophie Alexander (UK) Karin Goudschaal (NL)

Pre-recorded lectures:

*available on ESTRO Moodle from 10th 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

	Entry Exam	
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Day 1 - Sunday, 11th October, 2026

Time	Introduction to IGRT and adaptive	Speakers
	Chair: Andrew Hope	
13.00 – 13.05	Welcome and general introduction	AH/JJS
13.05 – 13.30	IGART – clinical rationale	GP
13.30 – 14.15	Errors and margins	MvH
14.15 – 15:00	Correction strategies: offline, online and adaptive	JJS
15.00 – 15.30	<i>Coffee break</i>	
	Chair: Jan-Jakob Sonke	
15.30 – 16:30	Clinical prostate	PP
16.30 – 17:00	Daily practice in image registration for CBCT: Prostate	SA

Day 2 - Monday, 12th October, 2026

Time	IGRT strategies in clinical practice	Speakers
	Chair: G. Persson	
09.00 – 09.45	Practical Insights into margins	MvH
09.45 – 10.30	Target Delineation Uncertainty	GP
10.30 – 11.00	<i>Coffee break</i>	
11.00 – 11.30	Auto-segmentation	TBD
11.30 – 12.30	Image registration and Dose Accumulation	MvH
12.30 – 13.30	<i>Lunch</i>	
	Chair: S. Alexander	
13.30 – 15.00	Cone beam based online adaptive radiation	GP+JB+KG
15.00 – 15.30	<i>Coffee break</i>	
15.30 – 16.15	Technology: MRI, Surface Based	JB
16.15 – 17.15	MRI for IGRT in practice	PP

Day 3 – Tuesday, 13th October, 2026

Time	Targets with respiratory motion	Speakers
	Chairperson: Parag Parikh	
09.00 – 10.00	Imaging in the 4 th dimension	JJS
10.00 – 10.30	Technology: 4D-IGRT	JB
10.30 – 11.00	MR-Guided radiotherapy: potential and current clinical practice	PP
11.00 – 11.30	Coffee break	
11.30 – 13.00	Clinical lung /breast	GP/JJS
13.00 – 14.00	Lunch	
	Chairperson: M. van Herk	
14.00– 15.00	Registration issues Lung/Breast	KG
15.00 – 15.30	Coffee break	
15.30 – 16.10	Radiosurgery and SBRT: from frame to frameless	AH
16.10 – 17.30	Break- out sessions (3)	
	· Physicists: Discussion of cases \ questions of participants	
	· RTT: 4D including breath hold	SA/KG
	· Clinicians: Discussion of cases \ questions of participants	

Day 4 – Wednesday, 14th October, 2026

Time	Focus on adaptation	Speakers
	Chair: Marcel van Herk	
09.00 – 09.45	Registration issues; choosing from a library of plans	SA
09.45 – 11.15	IGRT/adaptive for bladder, rectum and Cervix	PP
11.15 – 11.45	Coffee break	
11.45 – 12.30	Changing roles with online adaptive radiation	JB/KG/PP
12.30 – 13.30	Lunch	
	Chair: Karin Goudschaal	
13.30 – 14.00	Improvements in CBCT image quality for online ART	JJS
14.00 – 15.00	IGRT for Head and neck	AH&MvH
15.00 – 15.30	Coffee break	
15.30 – 17.00	Break- out sessions (3)	
	· Clinicians/Physicists: Adaptive Radiotherapy	
	· Clinicians/Physicists: SBRT	
	· Plan Selection/ Online ART	SA/KG

Day 5 – Thursday, 15th October, 2026

Time	Perspectives for advanced IGRT/adaptation	Speakers
	Chair: Jenny Berthoed	
08.30 – 10.00	AI in IGRT	AH/JJS
10.00 – 10.30	Coffee break	
10.30 – 11.15	Online adaptive, MR vs CT-guided competition or complementary	GP/PP
11.15 – 11.45	IGRT for novel treatments: cardiac ablation	AH
11.45 – 12.30	Round-up + EXIT EXAM	All Faculty