

SCIENTIFIC PROGRAMME AND WORKING SCHEDULE

Course Directors :

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Faculty

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New teacher

PRE-RECORDED LECTURES

The following lectures are mandatory prerequisites and will be available a few of weeks before the course. Participants may view them at their own pace. To access the lectures the students will be asked to complete a self-assessment entry exam.

Lecture	Speaker
IGRT – clinical rationale	CR
IGRT – historic overview	MvH
Delineation Uncertainty	CR
Technology: Planar imaging, MV and kV	MvH
Technology: kV-CBCT, in-room kV CT + MV-CT	UO
Technology: non-ionising solutions	UO
RTT role in IGRT	Rdj
Imaging in the 4 th dimension	JJS
Radiosurgery and SBRT: from frame to frameless	AH
Adaptive strategies in practice	CR
IGRT/adaptive for bladder and rectum	PP/UO
Uncertainties in image registration and contour propagation	MvH

LIVE WEBINARS 10-13 OCTOBER 2023

The schedule is in **Central European Summer Time (CEST)**.

DAY 1 – TUESDAY 10 OCTOBER 2023 IGRT Strategies in Clinical Practice.

Time	Lecture	Speaker	Chair
13.30 – 13.45	Welcome and general introduction	CR/JJS	AH
13.45 – 14.30	Errors and margins	MvH	JJS
14.30 – 15.15	Correction strategies: online versus offline	JJS	MvH
15.15 – 16.00	How to do offline versus online	MvH	JJS
16.00 – 16.15	Coffee break		
16.15 – 17.00	Prostate: registration issues	Rdj	PP
17.00 – 18.00	Clinical prostate	PP	Rdj
18.00 – 18.30	Q&A	All teachers	AH

DAY 2 – WEDNESDAY 11 OCTOBER 2023 Targets with Respiratory Motion.

Time	Lecture	Speaker	Chair
13.30 – 15.00	Clinical lung /breast	AH/JJS	UO
15.00 – 15.45	Technology: 4D-IGRT	UO	JJS
15.45 – 16.00	<i>Coffee break</i>		
16.00 – 16.45	Registration issues lung/breast	Rdj	AH
16.45 – 17.45	Physicists: QA/commissioning of IGRT and motion monitoring systems	Parallel sessions	
	RTT: 4D including breath hold		
	Clinicians: delineation in the presence of respiration		
17.45 – 18.15	Q&A	All teachers	JJS

DAY 3 – THURSDAY 12 OCTOBER 2023: Focus on Adaptation.

Time	Lecture	Speaker	Chair
13.30 – 14.15	MR-guided radiotherapy: potential and current clinical practice	PP	CR
14.15 – 14.45	Patient preparation and positioning	Rdj	CR
14.45 – 15.30	Registration issues; choosing from a library of plans	Rdj	PP
15.30 – 15.45	<i>Coffee break</i>		
15.45 – 16.45	IGRT for CNS and Head and neck	CR/MvH	AH
16.45 – 17.45	Clinicians/Physicists: Adaptive Radiotherapy	Parallel sessions	
	Clinicians/Physicists: SBRT		
	RTTs: ART		
17.45 – 18.15	Q&A	All teachers	

DAY 4 – FRIDAY 13 OCTOBER 2023:

Time	Lecture	Speaker	Chair
13.30 – 14.00	Changing RTT roles with online MR adaptive radiation	PJP	
14.00 – 14:30	Cone beam based online adaptive radiation	RDJ	
14.30 – 15.00	IGRT/ Cone beam based online adaptive radiation	MvH	
15.00 – 15.30	IGRT for novel treatments: cardiac ablation	AH	
15.30 – 15:45	<i>Coffee break</i>		
15.45 – 16.45	Exit exam and discussion of results	ALL	