

SCIENTIFIC PROGRAMME AND WORKING SCHEDULE

Course Director

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PRE-RECORDED LECTURES

The following lectures are mandatory prerequisites and will be available a few of weeks before the course. Participants are able to 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 5-7 OCTOBER

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

DAY 1 – MONDAY 5 OCTOBER IGRT Strategies in Clinical Practice.

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

DAY 2 – TUESDAY 6 OCTOBER Targets with Respiratory Motion.

Time	Lecture	Speaker
13.30 – 15.00	Clinical lung /breast	AH/JJS
15.00 – 15.45	Technology: 4D-IGRT	UO
15.45 – 16.00	Coffee break	
16.00 – 16.45	Registration issues lung/breast	Rdj/HmN
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

DAY 3 – WEDNESDAY 7 OCTOBER: Focus on Adaptation.

Time	Lecture	Speaker
13.30 – 14.15	MR-guided radiotherapy: potential and current clinical practice	PP
14.15 – 14.30	Patient preparation and positioning	Rdj
14.30 – 15.15	Registration issues; choosing from a library of plans	Rdj /HmN
15.15 – 15.30	Coffee break	
15.30 – 16.15	IGRT for CNS and Head and neck	CR/MvH
16.15 – 17.45	Clinicians/Physicists: Adaptive Radiotherapy	Parallel sessions
	Clinicians/Physicists: SBRT	
	RTTs	
17.45 – 18.15	Q&A	All teachers