

SCIENTIFIC PROGRAMME

Course Directors:	Faculty:		
Luca Boldrini	Cihan Gani	Faisal Mahmood	Stella Mook
Uulke van der Heide	Sebastian Klüter	Helen McNair	Vincenzo Valentini

PRE-RECORDED LECTURES

As from 8 October pre-recorded lectures will be available for participants to study at their own pace **prior** to the Q&A webinar sessions. The pre-recorded lectures will be available from ESTRO Moodle.

LIVE WEBINARS from 8 October to 11 November 2020

During the live webinars, the pre-recorded lectures will be discussed. These webinars will not be recorded. Participants will have the opportunity to chat with the faculty during the live webinar sessions. Zoom invitations to these webinars will be sent prior to the webinars.

Track legend: MP (Medical physicists), RO (Radiation oncologists), RTT (RTTs)

1 – THURSDAY 8 OCTOBER

Time CET	Webinar topic	Faculty
14:00-15:00	Welcome and Introduction to the course	Course directors and full faculty

2 – WEDNESDAY 14 OCTOBER

Time CET	Track	Webinar topic	Faculty
10:00-11:00	ALL	Q&A session about the following topics/pre-recorded lectures: <ul style="list-style-type: none"> • Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the technology perspective <i>by U. van der Heide</i> • Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the medical perspective <i>by V. Valentini</i> • Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the RTT perspective <i>by H. McNair</i> • MR-simulation and MR-guided Radiotherapy: common aspects and differences <i>by F. Mahmood</i> • Clinical workflow of an in-room MRI-Guided Radiotherapy treatment <i>by L. Boldrini</i> • Hybrid MR-guided RT machines: Low field vs. high field <i>by S. Klüter</i> 	L. Boldrini F. Mahmood H. McNair V. Valentini U. van der Heide

3 – TUESDAY 20 OCTOBER

Time CET	Track	Webinar topic	Faculty
14:00-15:00		Q&A session about the following topics/pre-recorded lectures:	
	MP	<ul style="list-style-type: none"> Patient-specific QA in online adaptive MRgRT <i>by S. Klüter</i> 	L. Boldrini
	MP	<ul style="list-style-type: none"> Quality Control for MR in Radiotherapy <i>by U. van der Heide</i> 	C. Gani
	MP	<ul style="list-style-type: none"> Motion management with MRI gating <i>by F. Mahmood</i> 	S. Klüter
	RO/RTT	<ul style="list-style-type: none"> MR Physics: Basic Introduction <i>by U. van der Heide</i> 	H. McNair
	RO/RTT	<ul style="list-style-type: none"> Artifacts in MRI: clinical point of view <i>by F. Mahmood</i> 	U. van der Heide
	RO	<ul style="list-style-type: none"> Clinical Experience in MR-guided Radiotherapy <i>by L. Boldrini and C. Gani</i> 	
	RO	<ul style="list-style-type: none"> Clinical Indications for MR-guided Radiotherapy treatment <i>by C. Gani</i> 	
	RTT	<ul style="list-style-type: none"> Management of breathing motion in MR-guided RT <i>by S. Klüter</i> 	
	RTT	<ul style="list-style-type: none"> Patient Positioning: Brain, Head and Neck, Thorax, Upper Abdomen and Pelvis <i>by H. McNair</i> 	

4 – MONDAY 26 OCTOBER

Time CET	Track	Webinar topic	Faculty
10:00-11:00		Q&A session about the following topics/pre-recorded lectures:	
	MP	<ul style="list-style-type: none"> Dosimetry in the presence of magnetic fields <i>by S. Klüter</i> 	L. Boldrini
	MP	<ul style="list-style-type: none"> Quantitative and functional imaging during MRI-guided Radiotherapy <i>by U. van der Heide</i> 	S. Klüter
	MP	<ul style="list-style-type: none"> Artifacts in MRI: physical point of view <i>by F. Mahmood</i> 	S. Mook
	RO/RTT	<ul style="list-style-type: none"> Immobilization devices and MR simulation in MR-guided RT <i>by H. McNair</i> 	H. McNair
	RO/RTT	<ul style="list-style-type: none"> Decision Making: when do adapt a treatment fraction? <i>by S. Mook</i> 	U. van der Heide
	RO	<ul style="list-style-type: none"> Patient selection criteria and compliance assessment <i>by S. Mook</i> 	
	RO	<ul style="list-style-type: none"> Quantitative and functional imaging during MRI-guided Radiotherapy <i>by U. van der Heide</i> 	
	RTT	<ul style="list-style-type: none"> Practicalities for patient management <i>by H. McNair</i> 	
	RTT	<ul style="list-style-type: none"> Basic principles of OARs contouring on MR <i>by L. Boldrini</i> 	

5 – TUESDAY 3 NOVEMBER

Time CET	Track	Webinar topic	Faculty
18:00-19:00		Q&A session about the following topics/pre-recorded lectures:	
	ALL	<ul style="list-style-type: none"> Online adaptive radiotherapy: workflow and criticalities <i>by S. Mook</i> RT and MR safety <i>by F. Mahmood</i> In-room MR image processing and planning <i>by U. van der Heide</i> 	L. Boldrini
			F. Mahmood
			U. van der Heide

BETWEEN 4 & 8 NOVEMBER – students are requested to take out an MCQ test in ESTRO Moodle

6 – MONDAY 9 NOVEMBER

Time CET	Webinar topic	Faculty
11:00-12:00	Meet-the-Prof-session	
	<ul style="list-style-type: none">4 break-rooms – 2 faculty members per room – division tbc	Course directors and full faculty

7 – TUESDAY 10 NOVEMBER

Time CET	Webinar topic	Faculty
15:00-16:00	Meet-the-Prof-session	
	<ul style="list-style-type: none">4 break-rooms – 2/3 faculty members per room – division tbc	Course directors and full faculty

8 – WEDNESDAY 11 NOVEMBER

Time CET	Webinar topic	Faculty
14:00-16:00	Recap session and official closure of the course	Course directors and full faculty
16:00-16:30	Demo presentation by ViewRay	
16:30-17:00	Demo presentation by Elekta	