

SCIENTIFIC PROGRAMME

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PRE-RECORDED LECTURES

On 6 October from 11:00 to 12:00 CET the course will start with an online kick-off webinar.

As from 6 October pre-recorded lectures will be available for participants to study at their own pace prior to the live Q&A sessions in Amsterdam. The pre-recorded lectures will be available from ESTRO Moodle.

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

LIST OF PRE-RECORDINGS

- Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the technology perspective by U. van der Heide – 25'19"
- Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the medical perspective by V. Valentini 13'
- Introduction: From IGRT to in-room MRI-Guided Radiotherapy, the RTT perspective by H. McNair 17'45"
- MR-simulation and MR-guided Radiotherapy: common aspects and differences by F. Mahmood 42'52"
- Clinical workflow of an in-room MRI-Guided Radiotherapy treatment by L. Boldrini 42'11"
- Hybrid MR-guided RT machines: Low field vs. high field by S. Klüter 51'09"
- Patient-specific QA in online adaptive MRgRT by S. Klüter 55'50"
- Quality Control for MR in Radiotherapy by U. van der Heide 26'04"
- Motion management with MRI gating by F. Mahmood 53'38"
- MR Physics: Basic Introduction by U. van der Heide 27'03"
- Artifacts in MRI: clinical point of view by F. Mahmood 49'26"
- Clinical Experience in MR-guided Radiotherapy by L. Boldrini and C. Gani 34'08"+36'08"
- Clinical Indications for MR-guided Radiotherapy treatment by C. Gani 28'54"
- Management of breathing motion in MR-guided RT by S. Klüter 44'39"
- Patient Positioning: Brain, Head and Neck, Thorax, Upper Abdomen and Pelvis by H. McNair 27'
- Dosimetry in the presence of magnetic fields by S. Klüter 33'26"
- Quantitative and functional imaging during MRI-guided Radiotherapy (MP) by U. van der Heide 44'29"
- Artifacts in MRI: physical point of view by F. Mahmood 49'12"
- Immobilization devices and MR simulation in MR-guided RT by H. McNair 18'
- Decision Making: when do adapt a treatment fraction? by S. Mook 35'
- Patient selection criteria and compliance assessment by S. Mook 28'
- Quantitative and functional imaging during MRI-guided Radiotherapy (RO/RTT) by U. van der Heide 41'
- Practicalities for patient management and workflow by H. McNair 31'08"
- Basic principles of OARs contouring on MR by L. Boldrini 27'55"
- Online adaptive radiotherapy: workflow and criticalities by S. Mook 33'
- RT and MR safety by F. Mahmood 41'12"
- In-room MR image processing and planning by U. van der Heide 32'03"

EST<u>ro</u>

LIVE COURSE IN AMSTERDAM FROM 6 TO 8 November 2022

Before coming to Amsterdam the students will have to prepare an assignment. During the course they will briefly present their topic (5 minutes)

During the live course in Amsterdam, only very brief summary lectures will be given, followed by Q&A sessions and discussions. Further we will also focus on workshops and presentations by the participants.

SUNDAY 6 NOVEMBER

Time CET	Track	Торіс	Faculty
09:00-10:30		Summaries plenary lectures and Q&A session	
10:30-11:00		Coffee break	
11:00-12:30		Multidisciplinary workshop case discussions: Thorax and Upper Abdomen	
12:30-13:30		Lunch break	
13:30-15:00		Summaries plenary lectures and Q&A session	
15:00-15:30		Tea Break	
15:30-17:00		Break-out sessions – 5 min presentations of assignments by	
		students (multidisciplinary groups)	

MONDAY 7 NOVEMBER

Time CET	Track	Торіс	Faculty
09:00-10:30		Summaries plenary lectures and Q&A session about the following	
		topics/pre-recorded lectures:	
10:30-11:00		Coffee break	
11:00-12:30		Multidisciplinary workshop case discussions: H&N and Pelvis	
12:30-13:30		Lunch break	
13:30-15:00		Summaries plenary lectures and Q&A session about the following	
		topics/pre-recorded lectures:	
15:00-15:30		Tea Break	
15:30-17:00		Break-out sessions – 5 min presentations of assignments by	
		students (separate disciplines)	

TUESDAY 8 NOVEMBER

Time CET	Track	Торіс	Faculty
09:00-10:30		Summaries plenary lectures and Q&A	
10:30-11:00		Coffee break	
11:00-12:30		MCQ exam and discussion	
12:30-13:00		Official closing	