

SCIENTIFIC PROGRAMME

Faculty

Gert Meijer (GM)

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Markus Stock (MST)

DAY 1 – SUNDAY 22 SEPTEMBER

Time		Lecture	Speaker
08:30	08:45	Introduction & structure of the course	GM
08:45	09:00	<i>Multiple choice questionnaire (MCQ)</i>	GM
09:00	09:30	Broadening the beam width	NB
09:30	09:55	Dose calculation algorithms & their differences in clinical impact	MST
09:55	10:25	Applying ICRU in treatment planning	NB
10:25	10:55	<i>Coffee break</i>	
10:55	11:35	Practical aspects of IMRT planning	GM
11:35	12:00	Planning aspects breast irradiations (1)	DB
12:00	13:00	<i>Lunch</i>	
13:00	13:25	Planning aspects breast irradiations (2)	DB
13:25	13:35	Introduction Case 1: Breast with supraclavicular lymph nodes	DB
13:35	13:40	Planning aspects case 1	MST
13:40	14:40	Individual planning	
14:40	15:10	<i>Coffee break</i>	
15:10	16:40	Individual planning	

DAY 2 – MONDAY 23 SEPTEMBER

Time		Lecture	Speaker
08:30	09:30	Discussion planning results from day 1	All
09:30	10:10	Molecular imaging in treatment planning &	UN
10:10	10:40	Geometrical uncertainties and how to deal with them	MvH
10:40	11:10	<i>Coffee break</i>	
11:10	11:50	MRI in treatment planning	NDN
11:50	12:30	Particle therapy planning	MST
12:30	13:30	<i>Lunch</i>	
13:30	14:00	<i>Company presentation 1</i>	
14:00	14:15	Introduction Case 2: Meningioma	NB
14:15	14:20	Planning aspects case 2	MST
14:20	15:50	Individual planning	
15:50	16:05	<i>Coffee break</i>	
16:05	17:25	Individual planning	

DAY 3 – TUESDAY 24 SEPTEMBER

Time		Lecture	Speaker
08:30	09:30	Discussion planning results from day 2	All
09:30	09:50	Physical and biological optimisation	GM
09:50	10:20	On the Pareto front	MST
10:20	10:50	<i>Coffee break</i>	
10:50	11:35	Relationships between 3D dose distributions and clinical toxicities - Chest	UN
11:35	12:05	Adaptive planning strategies	MvH
12:05	13:05	<i>Lunch</i>	
13:05	13:35	<i>Company presentation 2</i>	
13:35	13:45	Introduction Case 3: Lung (stage III NSCLC)	UN
13:45	14:00	Planning aspects case 3	MST
14:00	15:15	Individual planning	
15:15	15:45	<i>Coffee break</i>	
15:45	16:45	Individual planning	

DAY 4 – WEDNESDAY 25 SEPTEMBER

Time		Lecture	Speaker
08:30	09:30	Discussion planning results from day 3	All
09:30	10:10	Relationships between 3D dose distributions and clinical toxicities - H&N and Pelvis	NDN
10:10	10:30	Autoplanning	GM
10:30	11:00	<i>Coffee break</i>	
11:00	11:20	Dose painted planning	GM
11:20	11:45	Robust & probabilistic planning	MvH
11:45	12:15	Online planning and library planning	GM
12:15	13:15	<i>Lunch</i>	
13:15	13:40	<i>Company presentation 3</i>	NDN
13:40	13:55	Introduction Case 4: Bilateral oropharynx	MST
13:55	14:00	Planning aspects case 4	
14:00	15:15	Individual planning	
15:15	15:45	<i>Coffee break</i>	
15:45	17:00	Individual planning	

DAY 5 – THURSDAY 26 SEPTEMBER

Time		Lecture	Speaker
08:30	09:30	Discussion planning results from day 4	All
09:30	10:00	Image registration & dose accumulation	MvH
10:00	10:25	<i>Coffee break</i>	
10:25	10:55	Physicist's perspective	GM
10:55	11:25	Doctor's perspective	NB
11:25	12:10	<i>Multiple choice questionnaire (MCQ)</i>	All
12:10	12:30	<i>Wrap-up and conclusion</i>	All