

## SCIENTIFIC PROGRAMME

### Course Directors

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### Faculty

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### DAY 1 – SUNDAY 25 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 band width	NB
09:30 09:55	Dose calculation algorithms & their differences in clinical impact	MS
09:55 10:25	Applying ICRU in treatment planning	NB
10:25 10:55	<i>Coffee break</i>	
10:55 11:30	Practical aspects of IMRT planning	GM
11:30 12:00	Basic Radiobiology	NB
12:00 12:25	Planning aspects breast irradiations (1)	DB
12:25 13:25	<i>Lunch break</i>	
13:25 13:50	Planning aspects breast irradiations (2)	DB
13:50 14:00	Introduction Case 1: Breast with supraclavicular lymph nodes	DB
14:00 14:05	Planning aspects case 1	GM
14:05 15:05	<b>Individual planning</b>	
15:05 15:35	<i>Coffee break</i>	
15:35 17:05	<b>Individual planning</b>	

### DAY 2 – MONDAY 26 September

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

### DAY 3 – TUESDAY 27 September

Time		Lecture	Speaker
08:30	08:50	Physical and biological optimisation	GM
08:50	09:20	Relationships between 3D dose distributions and clinical toxicities - Chest	UN
09:20	10:00	Adaptive planning strategies	MvH
10:00	10:30	<i>Coffee break</i>	
10:30	11:30	Discussion planning results from day 2	All
11:30	12:15	On the Pareto front	MS
12:15	13:15	<i>Lunch break</i>	
13:15	13:45	<i>Commercial event 2</i>	
13:45	13:55	Introduction Case 3: Lung (stage III NSCLC)	UN
13:55	14:10	Planning aspects case 3	GM
14:10	15:25	<b>Individual planning</b>	
15:25	15:55	<i>Coffee break</i>	
15:55	16:55	<b>Individual planning (IMRT)</b>	

### DAY 4 – WEDNESDAY 28 September

Time		Lecture	Speaker
08:30	09:10	Relationships between 3D dose distributions and clinical toxicities - H&N and Pelvis	ND
09:10	09:30	Autoplanning	GM
09:30	09:50	Dose painted planning	MS
09:50	10:20	<i>Coffee break</i>	
10:20	11:20	Discussion planning results from day 3	All
11:20	11:45	Robust & probabilistic planning	MvH
11:45	12:15	Online planning and library planning	GM
12:15	13:15	<i>Lunch break</i>	
13:15	13:40	<i>Commercial event 3</i>	
13:40	13:55	Introduction Case 4: Bilateral oropharynx	ND
13:55	14:10	Planning aspects case 4	MS
14:10	15:25	<b>Individual planning (IMRT)</b>	
15:25	15:55	<i>Coffee break</i>	
15:55	17:10	<b>Individual planning (IMRT)</b>	

## DAY 5 - THURSDAY 29 September

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