

SCIENTIFIC PROGRAMME

Course Directors: Mischa Hoogeman (NL) & Carmen Rubio (ES) | **Teachers:** Sofie Ceberg (SE), Lone Hoffmann (DK), Valentina Vanoni (IT), Arjen van der Schaaf (NL), Maja Vestmø Maraldo (DK) | **Guest lecturer:** TBC | **Local organiser:** Umberto Ricardi (IT) & Mario Levis (IT)

DAY 1 – Sunday 4 June 2023

Venue: School of Medicine, University of Turin

Time (CET)	Lecture	Speaker
9:00-9:05	Welcome and introduction to the course	M. Hoogeman
9:05-9:15	Opening and welcome	M. Levis
9:15-9:45	Rationale of IMRT. A clinician's point of view	C. Rubio
9:45-10:00	Q&A	
10:00-10:30	IMRT delivery techniques & potential and limitations of rotational IMRT	S. Ceberg
10:30-10:45	Q&A	
10:45-11:15	<i>Coffee break and division into groups A & B</i>	
11:15-13:20	Group A to lectures	11:15-13:20 Group B to demos
13:20-14:20	<i>Lunch</i>	
14:20-14:50	Dosimetry issues in IMRT	L. Hoffmann
14:50-15:05	Q&A	
15:05-17:20	Group A to demos	15:05-17:20 Group B to lectures
17:20-18:20	<i>Welcome drink</i>	

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DAY 2 – Monday 5 June 2023

Venue: NH TORINO CENTRO, Turin

Time (CET)	Lecture	Speaker	Chair
9:00-9:30	IMRT optimization: algorithms and cost functions	M. Hoogeman	C. Rubio
9:30-9:45	Q&A		
9:45-10:15	IMRT in Hodgkin Lymphoma	M. Vestmø Maraldo	
10:15-10:30	Q&A		
10:30-11:00	<i>Coffee break</i>		
11:00-11:30	Modeling adverse effects after 3DCRT and IMRT	A. van der Schaaf	L. Hoffmann
11:30-11:45	Q&A		
11:45-12:15	Review of Dose-volume relationships I: H&N	M. Hoogeman	
12:15-12:30	Q&A		
12:30-13:30	<i>Lunch</i>		
13:30-14:00	IMRT in Head and Neck	V. Vanoni	M. Hoogeman
14:00-14:15	Q&A		
14:15-14:45	Review of Dose-volume relationships II: Pelvis	TBC	
14:45-15:00	Q&A		
15:00-15:30	<i>Coffee break</i>		
15:30-16:00	IMRT and SBRT of prostate cancer	C. Rubio	M. Hoogeman
16:00-16:15	Q&A		
16:15-16:45	Impact of geometrical uncertainties on IMRT dose distributions	S. Ceberg	
16:45-17:00	Q&A		
17:00-17:30	What did we learn today?	All	

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DAY 3 – Tuesday 6 June 2023

Venue: NH TORINO CENTRO, Turin

Time (CET)	Lecture	Speaker	Chair
9:00-9:30	Dose calculations in static and rotational IMRT	M. Hoogeman	C. Rubio
9:30-9:45	Q&A		
9:45-10:15	Equipment Q&A	L. Hoffmann	
10:15-10:30	Q&A	TBC	
10:30-11:00	Patient specific QA		
11:00-11:15	Q&A		
11:15-11:45	<i>Coffee break</i>		
11:45-12:15	Highly conformal techniques in lung cancer	M. Vestmø Maraldo	V. Vanoni
12:15-12:30	Q&A		
12:30-13:00	Practical IMRT planning and 'biological optimization'	TBC	
13:00-13:15	Q&A	All	
13:15-13:45	What did we learn today?		
13:45-14:45	<i>Lunch</i>		
14:45-15:30	Group A: Clinical case discussion 1	Group B: Practical treatment planning session TBC	
	CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg	L. Hoffmann
	CS 2: Prostate - room 2	C. Rubio, M. Hoogeman	
	CS 3: H&N - room 3	V. Vanoni	
15:30-16:15	Group A: Clinical case discussion 2		
	CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg	L. Hoffmann
	CS 2: Prostate - room 2	C. Rubio, M. Hoogeman	
	CS 3: H&N - room 3	V. Vanoni	
16:15-16:45	<i>Coffee break</i>		
16:45-17:30	Group A: Clinical case discussion 3		
	CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg	L. Hoffmann
	CS 2: Prostate - room 2	C. Rubio, M. Hoogeman	
	CS 3: H&N - room 3	V. Vanoni	

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DAY 4 – Wednesday 7 June 2023

Venue: NH TORINO CENTRO, Turin

Time (CET)	Lecture	Speaker	Chair
9:00-9:30	IMRT and SBRT of GI tumours	C. Rubio	S. Ceberg
9:30-9:45	Q&A		
9:45-10:15	Image-guidance for IMRT/VMAT	L. Hoffmann	
10:15-10:30	Q&A		
10:30-11:00	Adaptive radiotherapy for IMRT/VMAT	L. Hoffmann	
11:00-11:15	Q&A		
11:15-11:45	<i>Coffee break</i>		
11:45-12:15	IMRT in Gynecology	V. Vanoni	TBC
12:15-12:30	Q&A	S. Ceberg	
12:30-13:00	Motion management techniques		
13:00-13:15	Q&A		
13:15-13:45	What did we learn today?	All	
13:45-14:45	<i>Lunch</i>		
14:45-15:30	Group A: Practical treatment planning session TBC	Group B: Clinical case discussion 1	
	L. Hoffmann	CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg
		CS 2: Prostate - room 2	C. Rubio, M. Hoogeman
		CS 3: H&N - room 3	V. Vanoni
15:30-16:15		Group B: Clinical case discussion 2	
		CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg
		CS 2: Prostate - room 2	C. Rubio, M. Hoogeman
		CS 3: H&N - room 3	V. Vanoni
16:15-16:45	<i>Coffee break</i>		
16:45-17:30		Group B: Clinical case discussion 3	
		CS 1: Lymphoma - room 1	M. Vestmø Maraldo, S. Ceberg
		CS 2: Prostate - room 2	C. Rubio, M. Hoogeman
		CS 3: H&N - room 3	V. Vanoni

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DAY 5 – Thursday 8 June 2023

Venue: NH TORINO CENTRO, Turin

Time (CET)	Lecture	Speaker	Chair
9:00-9:30	Automated and knowledge-based treatment planning	M. Hoogeman	V. Vanoni
9:30-9:45	Q&A		
9:45-10:15	TPS commissioning	L. Hoffmann	
10:15-10:30	Q&A		
10:30-11:00	<i>Coffee break</i>		
11:00-11:30	IMRT in breast	V. Vanoni	M. Vestmø Maraldo
11:30-11:45	Q&A		
11:45-12:15	What did we learn today?	All	
12:15-12:45	Closing of the course	M. Hoogeman	