

### SCIENTIFIC PROGRAMME

#### DAY 1 – SUNDAY 30 May 2021

Time	Lecture		Speaker
09:00-09:25	Welcome and introduction to the course		M. Hoogeman
09:25-09:35	Opening and welcome to the Oncology Institute of Vojvodina		B. Petrovic
09:35-10:05	Rationale of IMRT. A clinician's point of view		C. Rubio
10:05-10:50	IMRT delivery techniques & potential limitations of rotational IMRT		S. Ceberg
10:50-11:20	<i>Coffee break and division into group A &amp; B</i>		
11:20-11:25	<b>Group A to lectures</b>	11:20-11:25	<b>Group B to demos in parallel in RT dept</b>
11:25-13:25	Lectures by local organizer	11:25-13:25	Demonstrations by local organizer
13:25-14:25	<i>Lunch</i>		
14:25-15:10	Dosimetry issues in IMRT		L. Hoffmann
15:10-15:15	<b>Group A to demos in parallel in RT dept</b>	15:10-15:15	<b>Group B to lectures</b>
15:15-17:15	Lectures by local organizer	15:15-17:15	Demonstrations by local organizer
17:15-18:15	<i>Welcome drink</i>		

### SCIENTIFIC PROGRAMME

DAY 2 – MONDAY 31 May 2021

Time	Lecture	Speaker	
<b>Chair:</b> <b>M. Hoogeman</b>	09:00-09:45	Sunday recap and discussion	
	09:45-10:30	IMRT optimization: algorithms and cost functions	M. Hoogeman
	10:30-11:00	<i>Coffee break</i>	
	11:00-11:45	IMRT in Hodgkin Lymphoma	M. Maraldo
	11:45-12:30	Modeling adverse effects after 3DCRT and IMRT	E. Onjukka
	12.15-13:00	Review of Dose-volume relationships I: H&N	M. Hoogeman
	13:00-14:00	<i>Lunch</i>	
<b>Chair:</b> <b>E. Onjukka</b>	14:00-14:45	IMRT in H&N	V. Vanoni
	14:45-15:30	Review of Dose-volume relationships II: Pelvis	E. Onjukka
	15:30-16:00	<i>Coffee break</i>	
	16:00-16:45	IMRT and SBRT of prostate cancer	C. Rubio
	16:45-17:30	Impact of geometrical uncertainties on IMRT dose distributions	S. Ceberg

### SCIENTIFIC PROGRAMME

#### DAY 3 – TUESDAY 1 June 2021

Time	Lecture		Speaker	
<b>Chair:</b> <b>L. Hoffmann</b>	09:00-09:45	Monday recap and discussion		
	09:45-10:30	'Patient specific' QA		
	10:30-11:00	<i>Coffee break</i>		
	11:00-11:45	Equipment Q&A		
	11:45-12:30	Highly conformal techniques in advanced stage lung cancer: indications, techniques, normal tissue constraints, results		
	12:30-13:00	Motion management techniques		
	13:00-14:00	<i>Lunch</i>		
	14:00-14:45	<b>Group A Clinical case discussions 1</b>	<b>Group B Vendor sessions 14:00-16:00 - TBD</b>	
		CS 1: <b>Lymphoma</b> - room 1	M. Maraldo, L. Hoffmann	
		CS 2: <b>Prostate</b> - room 2	C. Rubio, M. Hoogeman	
		CS 3: <b>H&amp;N</b> - room 3	V. Vanoni, E. Onjukka	
	14:50-15:30	<b>Group A Clinical case discussions 2</b>	<b>Chair: S. Ceberg</b> <b>Hands-on treatment planning session and vendor demonstrations</b>	
		CS 1: <b>Lymphoma</b> - room 1		M. Maraldo, L. Hoffmann
		CS 2: <b>Prostate</b> - room 2		C. Rubio, M. Hoogeman
		CS 3: <b>H&amp;N</b> - room 3		V. Vanoni, E. Onjukka
	15:30-16:30	<i>Coffee break</i>		
	16:00-16:45	<b>Group A Clinical case discussions 3</b>	<b>Group B - FREE</b>	
		CS 1: <b>Lymphoma</b> - room 1	M. Maraldo, L. Hoffmann	
		CS 2: <b>Prostate</b> - room 2	C. Rubio, M. Hoogeman	
		CS 3: <b>H&amp;N</b> - room 3	V. Vanoni, E. Onjukka	

### SCIENTIFIC PROGRAMME

#### DAY 4 – WEDNESDAY 2 June 2021

Time	Lecture		Speaker	
<b>Chair:</b> <b>M. Maraldo</b>	09:00-09:45	Tuesday recap and discussion		
	09:45-10:30	IMRT and SBRT of GI tumours	C. Rubio	
	10:30-11:00	<i>Coffee break</i>		
	11:00-11:45	Image-guidance & adaptive: concepts and approaches	L. Hoffmann	
	11:45-12:30	IMRT Gynaecology	V. Vanoni	
	12:30-13:00	Automated and knowledge-based treatment planning	M. Hoogeman	
	12:30-14:00	<i>Lunch</i>		
	14:00-14:45	<b>Group A Vendor sessions 14:00-16:00 - TBD</b>	<b>Group B Clinical case discussions 1</b>	
		<b>Chair: S. Ceberg</b> <b>Hands-on treatment planning session and vendor demonstrations</b>	CS 1: <b>Lymphoma</b> - room 1	M. Maraldo, L. Hoffmann
			CS 2: <b>Prostate</b> - room 2	C. Rubio, M. Hoogeman
			CS 3: <b>H&amp;N</b> - room 3	V. Vanoni, E. Onjukka
	14:50-15:30		<b>Group B Clinical case discussions 2</b>	
			CS 1: <b>Lymphoma</b> - room 1	M. Maraldo, L. Hoffmann
			CS 2: <b>Prostate</b> - room 2	C. Rubio, M. Hoogeman
			CS 3: <b>H&amp;N</b> - room 3	V. Vanoni, E. Onjukka
	15:30-16:30	<i>Coffee break</i>		
	16:00-16:45	<b>Group A - FREE</b>	<b>Group B Clinical case discussion 3</b>	
			CS 1: <b>Lymphoma</b> - room 1	M. Maraldo, L. Hoffmann
			CS 2: <b>Prostate</b> - room 2	C. Rubio, M. Hoogeman
			CS 3: <b>H&amp;N</b> - room 3	V. Vanoni, E. Onjukka

### SCIENTIFIC PROGRAMME

#### DAY 5 – THURSDAY 3 June 2021

Time	Lecture	Speaker	
<b>Chair:</b> <b>V. Vanoni</b>	09:00-09:45	Wednesday recap and discussion	
	09:45-10:15	Practical IMRT planning and 'biological optimization'	E. Onjukka
	10:15-11:00	Highly conformal techniques in early stage lung cancer: indications, techniques, normal tissue constraints, results	M. Maraldo
	11:00-11:30	IMRT in breast and risk of secondary cancer after IMRT	V. Vanoni
	11:30-12:00	<i>Coffee break</i>	
	12:00-12:45	TPS commissioning	L. Hoffmann
	12:45-13:15	Dose calculations in static and rotational IMRT	M. Hoogeman
	13:15-13:30	Final discussion & closing of the course	