

PROGRAMME
PHYSICS FOR CLINICAL RADIOTHERAPY
Ghent, Belgium - February 12-16, 2012

Sunday 12 February	Topic	Speaker
08.30 - 08.45	Welcome address	Tbc + All teachers
08.45 - 09.00	Introduction to the course	All teachers
09.00- 10.00	ENTRANCE EXAM	B. Heijmen
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 11.15	Volumes in EBRT	L.P.Romasanta
11.15 - 12.00	Imaging for GTV definition I	T.Juhler-Nottrup
12.00 - 12.45	CT for treatment preparation and planning	L.P.Romasanta
12.45 - 14.00	<i>Lunch</i>	
14.00 - 14.45	Dose prescription and plan evaluation	M.van Vulpen
14.45 - 16.00	Group1: Discussions on palliative case	S. Peeters/E.Aird
	Group 2: Discussions on palliative case	M.van Vulpen/D.R.Olsen
16.00 - 16.30	<i>Coffee break</i>	
16.30 - 17.15	Imaging for GTV definition II	T.Juhler-Nottrup
17.15 - 17.35	Wrap up of palliative HOMEWORK case	S. Peeters/E.Aird
Monday 13 February	Topic	Speaker
08.30 - 09.15	IMRT - Physics aspects	D.R.Olsen
09.15 - 10.00	IMRT and 3DCRT - basics of clinical application	S. Peeters
10.00 - 10.30	<i>Coffee break</i>	
10.30 - 11.15	IGRT - tumor set-up correction strategies	B. Heijmen
11.15 - 12.00	IGRT - equipment for in-room imaging	M.van Vulpen
12.00 - 12.45	IGRT - set up correction in clinical practice	L.P.Romasanta
12.45 - 14.00	<i>Lunch</i>	
14.00 - 14.45	Radiobiology in the clinic	M.van Vulpen
14.45 - 16.00	Group1: Discussions on breast case	T.Juhler-Nottrup B.Heijmen
	Group 2 : Discussions on breast case	L.P.Romasanta M. Hoogeman
16.00 - 16.30	<i>Coffee break</i>	
16.30 - 17.15	Basics of rotational therapy	B.Heijmen
17.15 - 17.35	Wrap up of breast HOMEWORK case	T.Juhler-Nottrup B.Heijmen
20.00	Social Dinner	

Tuesday 14 February	Topic	Speaker
09.00 - 14.00	FREE MORNING	
14.00- 14.45	Basics of stereotactic RT	S. Peeters
14.45 - 16.00	Group 1: Discussions on head and neck case	L.P.Romasanta M. Hoogeman
	Group 2: Discussions on head and neck case	T.Juhler-Nottrup B.Heijmen
<i>16.00 - 16.30</i>	<i>Coffee break</i>	
16.30 - 17.15	Field junctions: theory and practice	T.Juhler-Nottrup B.Heijmen
17.15 - 17.35	Wrap up of head and neck HOMEWORK case	L.P.Romasanta M. Hoogeman
Wednesday 15 February	Topic	Speaker
08.30 - 09.15	Clinicians: Principles of Radiation Therapy Equipment	M. Hoogeman
	Physicists: Basic Oncologic Concepts	L.P.Romasanta
09.15- 10.00	Clinicians: Basic Radiation Physics I	E.Aird
	Physicists: Dose calculation I	M. Hoogeman
<i>10.00 - 10.30</i>	<i>Coffee break</i>	
10.30 - 11.15	Clinicians: Basic Radiation Physics II	E.Aird
	Physicists: Dose calculation II	M. Hoogeman
11.15- 12.00	Clinicians: Basic Dose Calculation Principles	D.R.Olsen
	Physicists: Reference Dosimetry	B. Heijmen
12.00 - 12.45	Clinicians: Calculation of dose distribution in TPS	D.R.Olsen
	Physicists: Non-reference dosimetry	B. Heijmen
<i>12.45 - 14.00</i>	<i>Lunch</i>	
14.00 - 14.45	Commissioning and QA/QC of equipment and software	M. Hoogeman
14.45 - 16.00	Group 1: Discussions on lung case	M.van Vulpen/D.R.Olsen
	Group 2: Discussions on lung case	S. Peeters/E.Aird
<i>16.00 - 16.30</i>	<i>Coffee break</i>	
16.30 - 17.15	Radiation Protection	E.Aird
17.15 - 17.35	Wrap up of lung HOMEWORK case	M.van Vulpen/D.R.Olsen
18.30 - 20.00	Teacher evaluation meeting	Faculty
Thursday 16 February	Topic	Speaker
08.30 - 09.15	Basics of Brachytherapy	M.van Vulpen
09.15 - 10.00	In-vivo dosimetry	D.R.Olsen
<i>10.00 - 10.30</i>	<i>Coffee break</i>	
10.30 - 11.15	Radiotherapy dose and induction of secondary tumors	S. Peeters
11.15 - 12.15	Exit exam	
12.15- 12.30	Distribution of certificates of attendance	BH+ All teachers