ESTRO

PROGRAMME
PHYSICS FOR CLINICAL RADIOTHERAPY
Budapest, Hungary - October 17-21, 2010

Sunday 17 October	***Topic***	***Speaker***
09.00 - 09.15	Welcome address	Dr. Laszlo Mangel, President of HUSRO
09.15 - 09.30	Introduction to the course	B. Heijmen
09.30 - 10.30	ENTRANCE EXAM	
10.30 - 11.00	Coffee break	
11.00 - 12.00	***Clinicians***: Basic Radiation Physics I	E. Aird
	Physicists: Reference Dosimetry	B. Heijmen
12.00 - 13.30	Lunch	
13.30 - 14.15	Volumes in EBRT	L. Pérez-Romasanta
14.15 - 15.30	Group 1: Discussions on palliative case	A. Bossi /E. Aird
	Group 2: Discussions on palliative case	T. Juhler-Nøttrup /B. Heijmen
	Group 3: Radiotherapy equipment and software	companies
	Group 4: Radiotherapy equipment and software	companies
15.30 - 16.00	Coffee	
16.00 - 17.15	Group 1: Radiotherapy equipment and software	companies
	Group 2: Radiotherapy equipment and software	companies
	Group 3: Discussions on palliative case	L. Pérez-Romasanta /M. Karlsson
	Group 4: Discussions on palliative case	A. Henry /D.R.Olsen
17.15 - 18.15	***Clinicians:*** Basic Radiation Physics II	E. Aird
	Physicists: Basic Oncologic Concepts	L. Pérez-Romasanta
18.15 - 18.35	Wrap up of palliative HOMEWORK case	A. Bossi /E. Aird
18.45 - 20.00	Welcome reception	
Monday 18 October		
09:00 - 10.00	***Clinicians:*** Principles of Radiation Therapy Equipment	M. Karlsson
	Physicists: Non-reference dosimetry	B. Heijmen
10:00 - 10:45	Imaging for GTV definition I	T. Juhler-Nøttrup
10.45 - 11.15	Coffee break	
11.15 - 12.00	***Clinicians:*** Basic Dose Calculation Principles	D.R.Olsen
	Physicists: Basic Dose Plan Algorithms	M. Karlsson
12.00 - 13.30	Lunch	
13.30 - 14.15	CT for treatment preparation and planning	L. Pérez-Romasanta
14.15 - 15.30	Group 1: Discussions on breast case	T. Juhler-Nøttrup /B. Heijmen
	Group 2: Discussions on breast case	L. Pérez-Romasanta /M. Karlsson
	Group 3: Radiotherapy equipment and software	companies
	Group 4: Radiotherapy equipment and software	companies
15.30 - 16.00	Coffee break	
16.00 - 17.15	Group 1: Radiotherapy equipment and software	companies
	Group 2: Radiotherapy equipment and software	companies
	Group 3: Discussions on breast case	A. Henry /D.R.Olsen
	Group 4: Discussions on breast case	A. Bossi /E. Aird
17.15 - 17.35	Wrap up of breast HOMEWORK case	T. Juhler-Nøttrup /B. Heijmen

Tuesday 19 October		
09.00 - 09.45	IGRT - equipment for in-room imaging	A. Henry
09.45 - 10.30	***Clinicians:*** Calculation of dose distributioin in TPS	D.R.Olsen
	Physicists: Advanced Dose Plan Algorithms	M. Karlsson
10.30 - 11.00	Coffee break	
11.00 - 12.00	IGRT - tumor set-up correction strategies	B. Heijmen
12.00 - 13.30	Lunch	
13.30 - 14.15	IMRT - Physics aspects	D.R.Olsen
14.15 - 15.30	Group 1: Discussions on H&N case	L. Pérez-Romasanta /M. Karlsson
	Group 2: Discussions on H&N case	A. Henry /D.R.Olsen
	Group 3: Discussions on H&N case	A. Bossi /E. Aird
	Group 4: Discussions on H&N case	T. Juhler-Nøttrup /B. Heijmen
15.30 - 16.00	Coffee break	
16.00 - 16.45	IMRT and 3DCRT - basics of clinical application	A. Bossi
16.45 - 17.30	Radiobiology in the clinic	A. Henry
17.30 - 17.50	Wrap up of H&N HOMEWORK case	L. Pérez-Romasanta /M. Karlsson
20.00	Social dinner	
Wednesday 20 October		
09.00 - 13.00	FREE MORNING	
13.00 - 13.45	***Physicists:*** Radiation protection	E. Aird
	Clinicians: Imaging for GTV definition II	T. Juhler-Nøttrup
13.45- 15.00	Group 1: Discussions on lung case	A. Henry /D.R.Olsen
	Group 2: Discussions on lung case	A. Bossi /E. Aird
	Group 3: Discussions on lung case	T. Juhler-Nøttrup /B. Heijmen
	Group 4: Discussions on lung case	L. Pérez-Romasanta /M. Karlsson
15.00 - 15.30	Coffee break	
15.30 - 16.15	Radiotherapy dose and induction of secondary tumors	B. Heijmen
16.15 - 17.00	Basics of stereotactic RT	A. Bossi
17.00 - 17.45	Set-up correction in clinical practice	L. Pérez-Romasanta
17.45 - 18.05	Wrap up of lung HOMEWORK case	A. Henry /D.R.Olsen
Thursday 21 October		
09.00 - 09.45	In-vivo Dosimetry	D.R.Olsen
09.45 - 10.30	Basics of Brachytherapy	A. Henry
10.30 - 11.00	Coffee break	
11.00 - 12.00	Examination	
12.00 - 12:20	Handing over of course certificates	