

ESTRO Teaching Course on RADIOTHERAPY TREATMENT PLANNING: PRINCIPLES AND PRACTICE

June 26th to 30th , 2010.

Course Directors: M. Broderick, M. Leech
Teaching Staff: M. Broderick, M. Coffey, C. Gillham, M. Leech, A. Osztavics, P. Thirion, G. Vandeveldel,
Guest Lecturers: L. Marignol, D. Sjöström
Local Organiser: M. Coffey

Day 1

Scientific and Clinical Basis of Treatment Planning

08:15 - 09:00 Registration
09:00 - 09:10 Welcome and Introduction (ML/MB)
09:10 - 09:45 Physical Principles for Treatment Planning (DS)
09:45 - 10:15 Introduction to Treatment Planning (ML)
10:15 - 10:45 *Coffee*
10:45 - 11:45 Radiobiology and Molecular Oncology (LM)
11:45 - 12:45 ICRU recommendations on volume and dose (DS)
12:45 - 13:45 *Lunch*
13:45 - 14:30 Image acquisition for planning (AO)
14:30 - 15:30 From Treatment Planning to Treatment Unit (GV)
15:30 - 16:00 *Coffee*
16:00 -18.00 Introduction to Eclipse Laboratory (MB/ML/PT)
18.00 *Icebreaker Reception*

Day 2

Treatment Planning for Prostate Cancer

08:30 - 09:00 *Satellite symposium - Elekta*
09:00 - 10:00 Anatomy, pathology and treatment of prostate cancer (PT)
10:00 - 10:45 Treatment preparation / simulation, Set-up and verification for prostate cancer (GV)
10:45 - 11:15 *Coffee*
11:15 - 12:45 Group exercise (MC/GV)
12:45 - 13:45 *Lunch*
13:45 - 15:45 Practical treatment planning for prostate cancer Laboratory (MB)
15.45 - 16:15 *Coffee*
16:15 - 17:00 Group plan evaluation and feedback (MB/PT)

Day 3

Treatment Planning for Breast Cancer

08:30 - 09:00	<i>Satellite symposium - Varian</i>
09:00 - 10:00	Anatomy, pathology and treatment of breast cancer (CG)
10:00 - 11:00	Treatment preparation / simulation Set-up and verification for breast cancer (GV)
11:00 - 11:30	<i>Coffee</i>
11:30 - 12:45	Group exercise followed by group discussion (MC/GV)
12:45 - 13:45	<i>Lunch</i>
13:45 - 15:45	Practical treatment planning for breast cancer (ML) Laboratory
15:45 - 16:15	<i>Coffee</i>
16:15 - 17:00	Group plan evaluation and feedback (ML/ CG) Laboratory

Evening: Course Dinner

Day 4

Treatment Planning for Cervical and Endometrial Cancers

09:00 - 10:00	Anatomy, pathology and treatment of cervical and endometrial cancers (CG)
10:00 - 10:30	Treatment preparation / simulation Set-up and verification for endometrial and cervical cancers (AO)
10:30 - 11:00	<i>Coffee</i>
11:00 - 13:00	Practical treatment planning for cervical and endometrial cancers (MB)
13:00 - 14:00	<i>Lunch</i>
14:00 - 14:45	Group plan evaluation and feedback (MB/CG) Laboratory
14:45 - 15:45	Accidents relating to Treatment Planning (MC) Laboratory
15:45 - 16:15	<i>Satellite symposium - Elekta</i>

Day 5

Treatment Planning for Lung Cancer

09:00 - 10:00	Anatomy, pathology and treatment of lung cancer (PT)
10:00 - 10:30	Treatment planning considerations for lung cancer (ML)
10:30 - 11:00	<i>Coffee</i>
11:00 - 12:30	Practical treatment planning for lung cancer (ML/PT) Laboratory
12:30 - 13:00	Closing remarks and certificate presentation (MB/ML)