

**ESTRO Teaching Course on Treatment Planning for 3D
Conformal Radiation Therapy with a focus on positioning, set-up
and verification.**

March 12th-16th 2012

Course Director: M. Leech
Teaching Staff: S Buckney, M. Coffey, C. Gillham, B. Kristensan, D.
Sjöström, P. Thirion, G. Vandeveldel,
Guest Lecturer: L. Marignol, A O'Donovan
Local Organiser: A O'Donovan
ESTRO Organiser: Viviane van Egten

Day 1

Scientific and Clinical Basis of Treatment Planning

08:15 - 09:00 Registration (VVE)
09:00 - 09:25 Welcome and Introduction (ML +all)
09:25 - 10.00 Physical Principles for Treatment Planning (BK)
10.00 - 10.30 Introduction to Treatment Planning (DS)
10:30 - 10.50 *Coffee*
10.50 - 11.35 Image acquisition for planning (BK)
11.35 - 12.20 ICRU recommendations on volume and dose (DS)
12.20 - 13.10 *Lunch*
13.10 - 14.10 Radiobiological principles for treatment planning (LM)
14:10 - 15:10 From Treatment Planning to Treatment Unit (GV)
15:10 - 15.30 *Coffee*
15.30 - 17.00 Introduction to Eclipse Laboratory (ML)
17.00 *Icebreaker Reception RT Department*

Day 2

Treatment Planning for Pelvic Cancers

09.00-10.00 Anatomy, pathology and treatment of prostate cancer (PT)
10.00 - 11.00 Anatomy, pathology and treatment of cervical and
endometrial cancers (CG)
11.00-11.20 *Coffee*
11.20- 12.20 Treatment preparation / simulation, set-up and verification
for pelvic cancers (GV)
12.20- 13.15 *Lunch*
13.15 - 15.15 Practical treatment planning for prostate cancer (ML/PT)
15.15- 15.35 *Coffee*
15.35 - 17:00 Feedback (includes planning in pelvis with CG and DS) and
discussion (All)
Evening: Course Dinner

Day 3

Treatment Planning for Breast Cancer

08:30 - 09:00	<i>Satellite symposium Pelvis (Vendors)</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 (BK/DS) Laboratory
15:45 - 16:15	<i>Coffee</i>
16:15 - 17:00	Feedback and discussion (All) Laboratory

Day 4

Treatment Planning for Head and Neck Cancers

08:30 - 09:00	<i>Satellite symposium Breast (Vendors)</i>
09:00 - 10:00	Anatomy, pathology and treatment of head and neck cancers (PT)
10:00 – 11.00	Treatment preparation / simulation Set-up and verification for head and neck cancers (GV/ML)
11.00 - 11:20	<i>Coffee</i>
11:20 - 12:20	Group exercise
12.20 - 13.10	<i>Lunch</i>
13.10 - 14:40	Practical treatment planning for head and neck cancers (SB)
14:40 – 16.00	Feedback and discussion

Day 5

Future directions in Treatment Planning

08:30 - 09:00	<i>Satellite symposium head and neck (Vendors)</i>
09.00 – 10.00	Accidents related to Treatment Planning (AOD)
10:00 – 10.30	<i>Coffee</i>
10:30 - 11:30	Future directions in Treatment Planning (BK/DS)
11:30 - 12:00	MCQ test
12:00 – 12:30	Concluding remarks and Certificate Presentation (ML)