

Brachytherapy Physics Course

24'th-26'th of April 2012

Aarhus University Hospital, Denmark

Teachers:

Kari Tanderup (KT), Aarhus University Hospital
Taran Paulsen Hellebust (TPH), Oslo University Hospital
Christian Kirisits (CK), Medical University of Vienna
Jacob Lindegaard (JL), Aarhus University Hospital
Birgitte Offersen (BO), Aarhus University Hospital
Lise Bentzen (LB), Aarhus University Hospital

Target group:

The course is aimed at physicists, physicians and RTTs

Venue: Department of Oncology, Aarhus University Hospital, Nørrebrogade 44, DK-8000 Aarhus C

Course fee: 300 EUR

Registration deadline: Please register latest April 2'nd, 2012 by sending an email to Mette Lange Jensen, Dept. of Oncology, Aarhus University Hospital, metejens@rm.dk

Tuesday 24th April

10.00-10.30: Coffee

10.30-10.45: Welcome and introduction

10.45-11.30: Sources and calibration (TPH)

11.30-12.15: Dose calculation (TPH)

12.15-13.00: Lunch

13.00-13.45: Radiobiological aspects of brachytherapy (KT)

13.45-14.45: Clinical aspects, cervical cancer (JL)

14.45-15.30: Applicator reconstruction, cervix cancer (TPH)

15.30-16.00: Coffee

16.00-17.00: Dose planning and reporting, cervical cancer (KT)

17.00-17.45: Dose calculation exercise (TPH)

Wednesday 25th April

09.00-09.30: Video, image guided cervix brachytherapy procedure & infrastructure

09.30-09.45: Introduction to cervix treatment planning workshop (KT)

09.45-10.30: Hands on image fusion MRI-CT, cervix

10.30-11.00: Coffee

11.00-12.00: Hands on reconstruction, cervix

12.00-12.45: Lunch

12.45-14.45: Hands on treatment planning, cervix

14.45-15.15: Coffee

15.15-15.45: Presentation and discussion, cervix, reconstruction, treatment planning

15.45-16.30: Clinical aspects, breast cancer (BO)

16.30-17.15: Clinical aspects, prostate cancer (LB)

Thursday 26th April

08.30-09.15: In vivo dosimetry and quality assurance (KT)

09.15-10.00: Paris dosimetry system and reporting interstitial brachytherapy (KT)

10.00-10.30: Coffee

10.30-11.15: Dose planning, breast cancer (CK)

11.15-12.00: Dose planning, prostate cancer (CK)

12.00-12.45: Lunch

12.45-14.30: Hands on treatment planning, prostate case

14.30-15.00: Presentation and discussion, prostate dose planning

15.00-15.45: Questionnaire, in groups (KT)