



10th Øresund Workshop on Radiotherapy, 2023

March 1st

09:15-09:45 *Registration, coffee & sandwich*

09:45-10:00 Welcome and Introduction

10:00-10:30 Leadership Perspectives – *Lotte Engell-Nørregård, Herlev*

10:30-11:00 Proffered Papers 1

- André Haraldsson: Initial experience of MLC tracking for cancer in prostate and lung.
- Søren Møller: Repeated stereotactic radiosurgery for relapsed brain metastases: preliminary results of the Re-TREAT prospective clinical trial.

11:00-11:30 *Coffee*

11:30-12:00 Invited lecture – *Ivan Vogelius, Rigshospitalet: TBD*

12:00-12:30 Proffered Papers 2

- Laura Rechner: Preliminary longitudinal assessment of GTV volume, hypoxic fraction, and iodine concentration during radiotherapy of head and neck cancer patients.
- Mizgin Coskun: Geometric distortion caused by gold fiducial markers in diffusion weighted magnetic resonance imaging in prostate cancer patients.

12:30-13:30 *Lunch*

13:30-14:00 Invited lecture – *Niclas Pettersson, Göteborg: What I think about when I think about hypofractionation*

14:00-16:50 Interactive Poster Session including coffee and cake

1. Anna Nielsen: Phase III trial of esophagus-sparing palliative spine irradiation - QA of dosimetric parameters.
2. Kerstin Gunnarsson: Assessment of radiation pneumonitis (RP) and predictive factors in patients with locally advanced Non-Small Cell Lung Cancer (NSCLC) treated with chemoradiotherapy.
3. Louise Mövik: Impact of dose errors on dose-response modelling.
4. Maria Sjölin: Quality assurance of the synthetic CT used for online adaptive treatment planning.
5. Mruga Gurjar: Quantifying medically-motivated patient waiting times in breast cancer radiation therapy.
6. Nikolaj Jensen: Automation of quality control can reduce the risk to patients in acute radiation treatment planning. Radiotherapy treatment planning from home during COVID-19 did not compromise patient safety.
7. Thomas Henry: Can a computer replace a dose planner?
8. Annika Mannerberg: Abdominal compression as motion management for stereotactic radiotherapy of ventricular tachycardia?

16:50 *Refreshments and group photo*

19:00 *Dinner*

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March 2nd

9:00-09:30 Proffered Papers 3

- Emmanouil Terzidis: Delivery variations in dosimetric equivalent TrueBeam Linac's.
- Nora Forbes: Changes in cardiac dose observed in 10,000+ patients over 12 years.

09:30-10:50 Flash talks + posters discussions, *including coffee*

1. Michael Laursen: A single-arm benchmarking trial investigating the efficacy and safety of local ablative therapy for oligometastatic disease.
2. Julie Kjems: Real-world treatment of distant metastatic disease in head and neck squamous cell carcinomas at Rigshospitalet 2009-2019.
3. Rebecca Tobin: Radiotherapy MR boost to intraprostatic lesion – RAMBO.
4. Denis Kutnar: Outcome-based multiobjective optimisation of lymphoma radiation therapy plans using deep learning.
5. Daniella Østergaard: A systematic review of paediatric image-guided radiotherapy cone beam CT protocols – are there any?
6. Eric Grönlund: Can clinical outcome from total body irradiation (TBI) guide the technology development rather than letting the technology development guide the clinical outcome?
7. Hedda Enocson: Overdosage in Head and Neck cancer - possible benefits with Adaptive Radiotherapy.
8. Thomas Henry: Preventing potential treatment collisions on a TrueBeam system using a 3D video game engine.

10:50-11:50 Group discussions – back to the future

11:50-12:50 *Lunch*

12:50-13:30 Invited lecture – *Jean Bourhis, Lausanne*: FLASH and Xevinapant – two promising approaches for radiotherapy?

13:30-14:10 Report from group discussions

14:10-14:40 Proffered Papers 4

- Gabriel Adrian: Using Time, Dose and Fractionation to Estimate the Number of Clonogenic Cells.
- Christian Jamtheim Gustafsson: Evaluation of using commercial deep learning-based MR image reconstruction for synthetic CT generation in radiation therapy of prostate cancer patients.

14:40-15:30 Science Quiz and Best Presentation, *including coffee*

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