



11th Øresund Workshop on Radiotherapy, 2024

January 31st

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

09:45-10:00 Welcome and introduction

10:00-10:30 Collaborative Presentation

- Laura Rechner & Gabriel Adrian - *Hypoxia Horizons: Öresund's Radiotherapy Frontier*

10:30-11:00 Proffered papers

- Lovisa Berg – *Internal mammary node irradiation – evaluation of dose to the ipsilateral lung and internal mammary node coverage*
- Julie Kjems – *Separating distant recurrences from second primaries in head and neck squamous cell carcinomas – A DAHANCA group analysis on paired tumor samples*

11:00-11:30 Coffee

11:30-12:00 Leadership perspective

- Ingrid Fagerström Kristensen, Lund - *Focus on research, development, and education for nurses/RTTs in the RT department*

12:00-12:30 Proffered papers

- Lisette J. Sandt – *Online adaptive radiotherapy for anal cancer – mapping of time and potentials for workflow optimization*
- Joanie Guei – *Feasibility of single-CT linac workflow for pain relief radiotherapy – A phantom study*

12:30-13:30 Lunch

13.30-16:35 Interactive session including coffee

- Ivan Rashid – *Diffusion MRI-based hypoxia mapping of the prostate*
- Jens Edmund – *Tumor hypoxia assessment using dual-energy CT derived iodine concentration in head and neck cancer*
- Petronella Lannerheim – *Follow up after pain-relieving radiotherapy – a presentation of and upcoming project*
- Anna Mann Nielsen – *Impact of esophageal interfraction-motion on dosimetry in esophagus-sparing spinal irradiation. A simulation study*
- Anne Marie Lindegaard – *Online adaptive radiotherapy for head and neck cancer*
- Hedda Enocson – *Dose tracking in head and neck cancer – possible benefits with adaptive radiotherapy*
- Annelie Edvardsson – *Towards reduced neurocognitive effects from proton radiotherapy for pediatric brain tumor survivors*
- Louise Mövik - *Training and evaluation of a deep learning-based model for automatic segmentation of the proximal bronchial tree and the esophagus*

16:35-17:05 Proffered papers

- Minna Lerner – *Intracranial MRI-CT registration uncertainties: a motivation for MRI-only radiotherapy or not?*
- Kristian Boye – *Daily adaptive MR-guided SBRT of ultra-central lung tumors (NCT05354596): Dosimetric influence of intra-fractional motion*

17:05 Refreshments and group photo

19:00 Dinner

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February 1st

09:00-09:15 Jens Engleson - *NorthDip – an ØW spinoff*

09:15-10:00 Proffered papers

- Maria Sjölin - *Dosimetric impact of different implants used for spinal fixation during volumetric modulated arc therapy (VMAT) delivery*
- Emmanouil Terzidis – *Assessing the fraction of dose originating from the penumbra region for plans of varied complexity*
- Isak Wahlstedt – *Multicentre dose accumulation study for reirradiation in head and neck cancer: radiobiology outweighs DIR algorithm*

10:00-10:30 Coffee

10:30-11:20 Invited speaker

- Ane Appelt - *Patient involvement in design of clinical trials*

11:20-12:30 Poster pitches + poster session

- Peter Andersson – *Monte Carlo simulation of transmission dosimetry in external beam radiotherapy: Detecting Patient-related changes in Monte Carlo exit phase spaces*
- Evangelos Giannoulis – *Comparison of experimental calibration curves for a novel treatment platform with CBCT-based direct dose calculation*
- Isak Wahlstedt – *Total skin electron beam therapy: do the bones protect the marrow?*
- Mustafa Kadhim – *Surface guided ring gantry radiotherapy in deep inspiration breath hold for breast cancer patients*
- Christian Jamtheim Gustafsson – *Evaluation of a deep learning magnetic resonance imaging reconstruction method for synthetic computed tomography generation in prostate radiotherapy*
- Sacha af Wetterstedt – *Dosimetric comparison of prostate radiotherapy plans calculated on conventional and synthetic CTs using the Acuros dose calculation algorithm*
- Alejandro Cortina Uribe – *Self-supervised artificial intelligence for large-scale analysis of longitudinal images in oncology*
- Erik Pettersson – *Stopping power ratio prediction with fast kV-switching dual-energy CT*

12:30-13:30 Lunch

13:30-14:30 Proffered papers

- Rebecca Tobin – *The effects of androgen deprivation therapy on defining intraprostatic lesions with MRI*
- Emilia Persson – *Multi-observer investigation of uncertainties in MRI-only fiducial marker identification*
- Tobias Pommer – *Patient motion during fractionated brain radiotherapy*
- Laura Rechner – *A story of bankruptcy, resourcefulness, and dedication: a pancreas case study*

14:30-15:30 Achievements – including coffee

- Science quiz
- Best presentation award
- Evaluation

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