

DCCC Radiotherapy's Annual Scientific Meeting 2020

Thursday, October 22nd, 14.00-17.30.

Zoom link: <https://aarhusuniversity.zoom.us/j/64519506339>

Program:

14:00-14:15 **Welcome.** Overview of the activities in the research center.
Cai Grau and Stine Korreman.

14:15-14:30 **Clinical trials in DCCC Radiotherapy**
Jesper Eriksen

14:30-16:30 **Flash talk sessions (4 min. presentations + 3 min. discussion)** - presentations selected from submitted abstracts.

14:30-15:00 **Dosimetry.**
Moderators: Claus Andersen, DTU and Claus Behrens, Herlev

- Peter Georgi, Department of Oncology, Aarhus University Hospital: **3D Dose Measurement of an Electronic Brachytherapy Source.**
- Mads Fjelbro Klavsen, Health tech, DTU: **Time-resolved dosimetry in MR-linac without image distortion.**
- Eleni Kanouta, Danish Centre for Particle Therapy, Aarhus University Hospital: **Ultra-fast in vivo dosimetry for FLASH proton therapy.**
- Lia Valdetaro, Danish Center for Particle Therapy, Aarhus University: **Prospects of 3D dosimetry in Proton therapy.**

15:00-15:45 **Imaging, treatment planning and dose delivery.**
Moderators: Carsten Brink, OUH and Morten Høyer, DCPT

- Abraham Smith, Department of Computer Science, University of Copenhagen/Rigshospitalet: **RootPainter-CT: Rapid contouring with corrective delineation.**
- Andreas Hagner, Department of Clinical Medicine, Aarhus University: **Real-time reconstruction of the dose delivered to moving anatomy during radiotherapy with an MR-linac.**
- Dennis Tideman Arp, Department of Medical Physics, Oncology Department, Aalborg University Hospital: **Pre-treatment variations of tumor and lymph nodes for rectal cancer patients.**
- Casper Muurholm, Department of Oncology, AUH: **Real-time dose-guided radiation therapy.**

- Signe Winther Hasler, Department of Oncology, Odense University Hospital: ***Tumor-site specific geometric distortion in 1.5 T MR-linac.***
- Jintao Ren, Department of Oncology, Aarhus University: ***Deep learning for improved HNSCC tumor delineation using CT, PET and MRI.***

15:45-15:55 **Short Break**

15:55-16:30 **Toxicity and recurrence.**

Moderators: Jimmi Søndergaard, Aalborg and Jens Overgaard, AUH

- Agon Olloni, Department of Oncology, Odense University Hospital: ***Risk of cardiovascular disease in patients with non-small-cell lung cancer and esophageal cancer treated with definitive radiotherapy.***
- Lasse Refsgaard, Department of Clinical Medicine / Department of Experimental Clinical Oncology, Aarhus University/Aarhus University Hospital: ***DBCG RT Nation.***
- Karen Wind, Dept. of Clinical Oncology, Aarhus University Hospital: ***Presentation of a PhD. study: Treatment failure in squamous cell carcinoma of the anus – real-world data and biological features of recurrences.***
- Julie Kjems, Onkologisk afdeling, Rigshospitalet: ***The impact of radiation therapy on the release of metastatic circulating tumor cells in oropharyngeal cancer patients.***
- Kristian Hastoft Jensen, Department of Oncology, Rigshospitalet: ***Bloodstream infections in head and neck cancer patients after curative-intent radiotherapy – a population-based study from the Danish Head and Neck Cancer Group (DAHANCA) Database.***

16:30-17:00 **Data sharing and transparency: How to do it right?**

Leonard Wee, MAASTRO, The Netherlands and Ivan Vogelius, Copenhagen.

Moderator: Stine Korreman, Aarhus.

17:00-17:30 **Patient involvement in clinical trials.** Experience from UK.

Ane Appelt, Leeds, UK.

Moderator: Cai Grau, Aarhus.