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: 
  \textit{Tumor-site specific geometric distortion in 1.5 T MR-linac.}
• Jintao Ren, Department of Oncology, Aarhus University: \textit{Deep learning for improved HNSCC tumor delineation using CT, PET and MRI.}

15:45-15:55 \textbf{Short Break}

15:55-16:30 \textbf{Toxicity and recurrence.}
  \textit{Moderators: Jimmi Søndergaard, Aalborg and Jens Overgaard, AUH}

• Agon Olloni, Department of Oncology, Odense University Hospital: \textit{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: \textit{DBCG RT Nation.}
• Karen Wind, Dept. of Clinical Oncology, Aarhus University Hospital: \textit{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: \textit{The impact of radiation therapy on the release of metastatic circulating tumor cells in oropharyngeal cancer patients.}
• Kristian Hastoft Jensen, Department of Oncology, Rigshospitalet: \textit{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 \textbf{Data sharing and transparency: How to do it right?}
  \textit{Leonard Wee, MAASTRO, The Netherlands and Ivan Vogelius, Copenhagen.}
  \textit{Moderator: Stine Korreman, Aarhus.}

17:00-17:30 \textbf{Patient involvement in clinical trials.} Experience from UK.
  \textit{Ane Appelt, Leeds, UK.}
  \textit{Moderator: Cai Grau, Aarhus.}