DCCC Radiotherapy’s Virtual Annual Meeting 2020

Thursday, October 22\textsuperscript{nd}, 14.00-17.30.

Program:

14:00-14:15 \textbf{Welcome}. Overview of the activities in the research center. \\
\textit{Cai Grau and Stine Korreman.}

14:15-14:30 \textbf{Clinical trials in DCCC Radiotherapy} \\
\textit{Jesper Eriksen}

14:30-16:30 \textbf{Flash talk sessions} - presentations selected from submitted abstracts.

14:30-15:00 \textbf{Dosimetry.} \\
\textit{Moderators: Claus Andersen, DTU and Claus Behrens, Herlev}

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

15:00-15:45 \textbf{Imaging, treatment planning and dose delivery.} \\
\textit{Moderators: Carsten Brink, OUH and Morten Høyer, DCPT}

- Abraham Smith, Department of Computer Science, University of Copenhagen/ Rigshospitalet: \textit{RootPainter-CT: Rapid contouring with corrective delineation.}
- Andreas Hagner, Department of Clinical Medicine, Aarhus University: \textit{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: \textit{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?**

          *Moderator: Stine Korreman, Aarhus.*

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

          *Ane Appelt, Leeds, UK. Moderator: Cai Grau, Aarhus*

Please register for the meeting no later than October 20, 2020 using [this link](#).