



# 7<sup>th</sup> Øresund Workshop on Radiotherapy

## February 27-28, 2019

### Final Program

February 27

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

09:45-10:00 Welcome and introduction

#### Öresund Project

10:00-10:15 **Louise Stervik, Göteborg**  
Multi-center studies in the Öresund region

#### Interactive Session Part I

10:15-10:45 Introduction

**10:45-11:05** Coffee

#### Submitted Presentations

11:05-12:20 *Proffered papers*

**Mikkel Skaarup**

A dual energy material decomposition algorithm for clinical cone-beam computed tomography

**Anneli Edvardsson**

Breathing-motion induced interplay effects for stereotactic body radiotherapy of liver tumours using flattening-filter free volumetric modulated arc therapy

**Mirjana Josipovic**

Heart position reproducibility in deep inspiration breath hold radiotherapy for lung cancer

**Malin Kügele**

Evaluation of positioning and monitoring open mask stereotactic radiotherapy treatments using surface guided radiotherapy

**Jeppe Brage Christensen**

Ionization quenching in organic plastic scintillators for particle therapy

**12:20-13:20** Lunch

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13:20-14:20 *Proffered papers*

**Linnéa Karlsson**

Experimental and theoretical validation of Eclipse dose calculations at extended TBI distances

**Mikkel Skaarup**

Voxel-based assessment of proton RBE in paediatric brain cancer radiotherapy from multimodal imaging

**Charlotte Espensen**

Dose response of tumour control probability after brachytherapy for uveal melanoma

**Vanja Remberg Gram**

Esophageal toxicity associated with radiotherapy for metastatic spinal cord compression

### Gold sponsor presentation by Philips

14:20-14:40 Pelvic MR-only simulation

14:40-15:10 **Coffee and cake**

### Theme – MR in Radiotherapy

15:10-15:55 *Proffered papers*

**Emilia Persson**

Treating prostate cancer with MRI-only radiotherapy

**Emilia Palmér**

MR only workflow for head and neck radiation therapy: evaluation of synthetic CT data as a basis for absorbed dose calculation

**Minna Lerner**

Synthetic CT for MR brain

### Interactive session part II

15:55-17:15 Group discussions

17:15 Refreshments and Group Photo

19:00 Dinner

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February 28

Theme – MR in Radiotherapy

9:00-9:40 *Invited Speaker*

**Karin Petruson, Sahlgrenska, Göteborg**

Can MRI cover all imaging needs in RT?

9:40-10:10 *Proffered papers*

**Fredrik Nordström**

MRI – but not only

**Christian Jamtheim Gustafsson**

Using C-arm x-ray images from marker insertion to confirm the gold fiducial marker identification in an MRI-only prostate radiotherapy workflow

10:10-10:30 **Coffee and fruit**

10:30-11:30 *Proffered papers*

**Niklas Eliasson**

Feasibility of prostate rectum spacer in an MRI only radiotherapy workflow

**Jonathan Scharff Nielsen**

MRI for CT metal artifact reduction

**Line Bjerregaard Stick**

MR for daily image guidance in liver stereotactic body radiotherapy

11:30-12:30 **Lunch**

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12:30-13:00 *Invited Speaker*

**Frank Lagerwaard, VUmc, Amsterdam**

Experience with on-line adaptive MR-guided radiotherapy

13:00-13:30 *Invited Speaker*

**Anna Bruynzeel, VUmc, Amsterdam**

Clinical results of the first prospective study of MRgRT in prostate cancer

13:30-14:00 Discussion

**14:00-14:20 Coffee and cake**

### Quiz

14:20-14:50

### Best Presentation Award

14:50-15:00

### Interactive Session Part III

15:00-15:20 Summary

### Conclusion and Evaluation

15:20-15:30

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