

Programme

Wednesday, 14 January 2015

9:15 – 9:45 Registration and coffee

9:45 – 10:00 Welcome and introduction

Session I **PLANNING YOUR STUDY, ANALYZING AND PRESENTING YOUR RESULTS:
THE STATISTICAL PERSPECTIVE & THE CLINICAL REALITY**

10:00 – 10:30 Invited Lecture 1: **Statistical significance and clinical relevance** – *Per Albertsson*

10:30 – 11:00 Invited Lecture 2: **Statistical issues in clinical trials** – *Ivan Vogelius*

11:00 – 11:20 *Coffee break*

11:20 – 11:50 Invited Lecture 3: **Dose response analysis – an example from head-and-neck cancer** – *Per Nilsson*

Session II **PRESENTATIONS OF EARLY STAGE PROJECTS – GROUP DISCUSSIONS**

11:50 – 12:20 Discussion 1: **Dose-response relations** – *Caroline Olsson*

12:20 – 13:20 *Lunch*

13:20 – 13:50 Discussion 2: **MRI treatment planning** – *Jens Edmund*

13:50 - 14:20 Discussion 3: **Breathing adaptive radiotherapy using optical surface scanning** – *Anneli Edvardsson, Malin Kügele*

14:20 – 14:50 Discussion 4: **Assessment of the FDG PET reproducibility in lung cancer** – *Lotte Nygård*

14:50 – 15:15 *Coffee break*

Session III **PROJECT PRESENTATIONS**

15:15 – 15:25 **Parotid gland function before and after H&N radiotherapy** – *Maja Bruvo Lazovic*

15:25 – 15:35 **Analyzing reference dosimetry data with R** – *Claus E. Andersen*

- 15:35 – 15:45 **MRI-only Radiotherapy of the Brain and Pelvis using pseudo-CTs** – *Daniel Andreasen*
- 15:45 – 15:55 **The effect on patient surface dose from unwanted air cavities under bolus in volumetric modulated arc therapy (VMAT)** – *Faisal Mahmood*
- 15:55 – 16:05 **In vivo dosimetric verification for total body irradiation treatments** – *Siritorn Buranurak*
- 16:05 – 16:20 *Coffee*
- 16:20 – 16:30 **Investigation of out-of-field doses in rotational therapy of the lung using flattening filter free photon beams** – *Mårten Dalaryd*
- 16:30 – 16:40 **Lung-DVHs from different algorithms** – *Emma Hedin*
- 16:40 – 16:50 **Dual-energy CT (DECT) and metal artefact reduction** – *Laura Rechner*
- 16:50 – 17:00 **Diabetes induced by high-dose glucocorticoid in cancer patients** – *Helga Schultz*
- 17:00 – 17:10 **First experience with stereotactic radiotherapy on spine** – *Morten Hiul Suppli*
- 17:10 Summary and final discussion
- 18:30 *Dinner*

Thursday, 15 January 2015

8:00 – 9:00 *Breakfast*

Session IV **FUNCTIONAL IMAGING FOR RADIOTHERAPY**

9:00 – 9:30 Invited Lecture 4: **Functional MR imaging** – *Lars E Olsson*

9:30 – 9:45 **MRI-only based treatment planning for radiotherapy of prostate cancer** – *Fredrik Nordström*

9:45 – 10:00 **Diffusion tensor imaging for normal tissue response assessment after proton therapy for brain tumors** – *Ane L Appelt*

10:00 – 10:30 *Coffee*

10.30 – 11.00 Invited Lecture 5: **Ongoing clinical dose painting study at Rigshospitalet** – *Jacob Rasmussen*

11:00 – 11:15 **Loco-regional failure pattern after chemo-radiotherapy of vulvar carcinoma** – *Christina Vorbeck*

11.15 – 11.30 **Biomarkers in Combination with Functional Imaging as a Prognostic Tool in Squamous Cell Carcinoma of the Head and Neck** – *Gregers Rasmusen*

11.30 – 12.00 Discussion

12.00 – 13.00 *Lunch*

Session V **MOTION MANAGEMENT**

13.00 – 13.30 Invited Lecture 6: **Motion management in radiotherapy** – *Sofie Ceberg*

13.30 – 13.45 **Breathing adaptive radiotherapy of breast cancer** – *Lovisa Berg*

13.45 – 14.00 **Automated robust multimodality treatment planning** – *Hunor Benedek*

14.00 – 14.30 *Coffee + group photo*

14.30 – 14.45 **Automated offline image review of CBCT scans** – *Henrik Nissen*

14.45 – 15.00 **The difference in fusion results in CT vs CBCT for bony anatomy, liquid markers and soft tissue** – *Jonas Scherman Rydhög*

15.00 – 15.30 Discussion

15.30 – 15.45 Conclusion