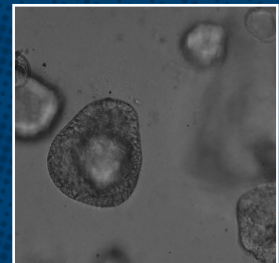
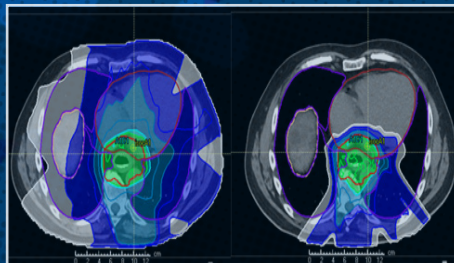
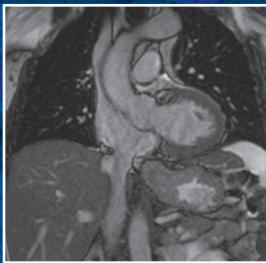


Thursday September 28th 2017

Future developments in the radiotherapy treatment of esophageal cancer

Noordelijke Refereeravond
Radiotherapie



University Medical Center Groningen

Refereeravond Radiotherapie

The department of radiation oncology is very pleased to invite you to the upcoming research meeting “Noordelijke Refereeravond Radiotherapie”:

Future developments in the radiotherapy treatment of esophageal cancer

Over the last decade, radiotherapy has become an important treatment modality in the treatment of esophageal cancer. Due to a significant survival benefit, tri-modality treatment including neo-adjuvant chemoradiotherapy had become the standard of care. However, this multi-modality treatment approach is accompanied by serious risks of morbidity and even mortality. Reducing those risks, by adequate and individualized treatment selection, will be the challenge of the coming years.

The most important complication of radiotherapy treatment are pulmonary and cardiac toxicities. Dr. J.C. Beukema, MD will discuss the relevance and risks of cardiopulmonary toxicity after (chemo)radiotherapy for esophageal cancer. Knowledge of the dose-volume parameters involved might enable us to reduce the dose to heart and/or lungs by optimal use of breath hold, VMAT and in the near future proton therapy. Dr. E. Korevaar, PhD and dr. M. Dieters, MD will present the data of our breath hold pilot study and discuss the influence of breathing motion on the dose distribution using photons or protons.

The second part of the evening will focus on response prediction after neo-adjuvant chemoradiotherapy. Will MRI be able to select patients with a complete response and enable us to safely omit surgery in these patients? Dr. G. Meijer, PhD will share his experience at the UMCU on the use of MRI for esophageal cancer with us.

Furthermore, prof. dr. R.P. Coppes, PhD developed a methodology in his laboratory to create organoids out of tissue samples of esophageal cancer. These organoids can be used to simulate the chemo- and radiotherapy treatment in vitro, with the aim to improve the response prediction after neo-adjuvant treatment, which will be explained in the final presentation by P. Nagle, post-doc.

The evening will be closed by some additional concluding remarks of prof. dr. J. A. Langendijk, MD, PhD.

Program

- 17.30-17.55 *Welcome and registration*
- 17.55-18.00 Introduction by C.T. Muijs, MD, PhD, radiation oncologist UMCG
- 18.00-18.25 **The relevance of cardiopulmonary toxicity in esophageal cancer patients**
J.C. Beukema, MD, radiation oncologist UMCG
- 18.25-18.30 Q&A
- 18.30-19.00 **Technical developments towards cardiac dose sparing:
photons and protons** M. Dieters, MD, radiation oncologist UMCG
E. Korevaar, PhD, medical physicist radiation oncology UMCG
- 19.00-19.05 Q&A
- 19.05-19.20 *Coffee break*
- 19.20-19.45 **Can we push the cornerstone in curative treatment of oesophageal cancer from surgery
towards radiotherapy? The role of MRI.**
G. Meijer, PhD, Associate professor and medical physicist Radiation Oncology UMCU
- 19.45-19.50 Q&A
- 19.50-20.15 **The future of treatment selection for esophageal cancer patients; organoid based
response prediction.**
P. Nagle, Post-doc Radiation & cell biology UMCG
- 20.15-20.20 Q&A
- 20.20-20.30 **Concluding remarks**
J.A. Langendijk, MD, PhD, Professor and chair of the department of Radiation Oncology UMCG
- 20.30 *Closure and drinks*

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Venue

University Medical Center Groningen (UMCG).

Location venue

Boeringzaal 1, Tandheelkunde gebouw UMCG,
Parkeergarage Noord, UMCG, Groningen.
Please follow the signs within the UMCG.

Registration

Registration in advance is mandatory.
You are requested to registrate at: e.m.l.moed@umcg.nl
Participation is free of charge.
Accreditation has been requested for.

Further Information

Secretariat Radiation Oncology UMCG,
tel: +31(0)50 - 361 55 32.
e-mail: rtsecretariaat@umcg.nl
www.radiotherapiegroningen.nl

Parking

A parking place is available in parking garage “UMCG Noord”. This can be reached through the Vrydemalaan.

