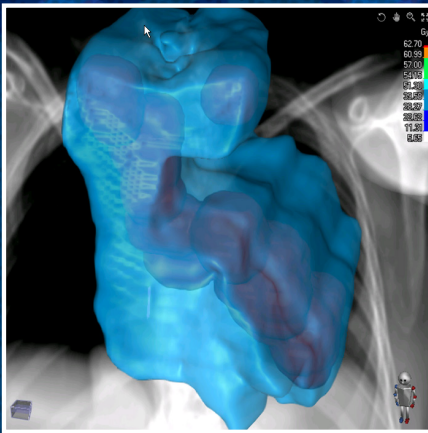


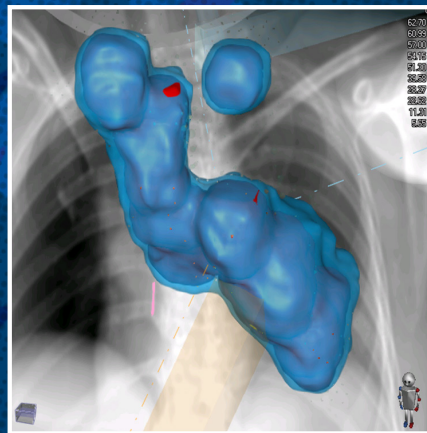
Wednesday January 10<sup>th</sup> 2018

# Clinical introduction of proton therapy in Groningen

Noordelijke Refereeravond Radiotherapie



fotonen



protonen



University Medical Center Groningen

# Noordelijke Refereeravond Radiotherapie

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

## Clinical introduction of proton therapy in Groningen

### **Summary**

The UMC Groningen Proton Therapy Center (GPTC) will treat the first patient in January 2018. In the initial phase, only patients with CNS tumours, head and neck cancer and pediatric patients will be treated with protons.

During the first part of the meeting, we will highlight some aspects of the organization of oncologic care related to proton therapy, including patient selection, referral logistics and structured follow up programs.

Professor Stefan Both, the first proton therapy professor in the Netherlands, will give a keynote lecture about his personal experience with pencil beam scanning proton therapy and his vision on future developments.

In the second part of the meeting, we will present the standard operation procedures of proton therapy in the GPTC, including plan comparison, IMPT treatment planning, image-guidance and plan adaptation.

### **Target group**

The meeting is aimed at radiation oncologists, residents, medical physicists, RTT's and all physicians from other disciplines involved in the treatment of CNS tumours, pediatric patients and head and neck cancer.

# Program

|               |  |               |   |
|---------------|--|---------------|---|
| 17.00         | Registration (sandwiches will be served)   |               |   |
| 17.30 - 17.45 | <b>Welcome and introduction</b> by professor dr. J.A. Langendijk, Chair of the department of Radiation Oncology UMCG.<br><i>Short introduction on the clinical implementation of proton therapy at UMCG.</i> |               |   |
| <b>PART 1</b> | <b>Clinical introduction and health care organisation</b>  | <b>PART 2</b> | <b>Proton therapy delivery at the GPTC</b>  |
| 17.45 - 18.05 | <b>Proton therapy in pediatric patients</b><br><i>Complex multidisciplinary and multicenter patient care</i><br>dr. J.H. Maduro, radiation-oncologist UMCG   | 19.55 - 20.15 | <b>Craniospinal axis irradiation</b><br><i>Craniospinal axis irradiation is considered one of the new standard indications for proton therapy. The background for this indication will be presented as well as the technical aspects of this challenging indication in both pediatric and adult patients</i><br>R.G.J. Kierkels, PhD medical physicist UMCG and dr. H.L. van der Weide, radiation-oncologist UMCG |
| 18.05 - 18.25 | <b>Proton therapy in CNS tumours</b><br><i>An example of a new and comprehensive multidisciplinary prospective data registration program</i><br>dr. H.L. van der Weide, radiation-oncologist UMCG            |               |   |
| 18.25 - 18.45 | <b>Proton therapy in head and neck cancer</b><br><i>Patient selection, decision support and model-based referral</i><br>professor dr. J.A. Langendijk  | 20.15 - 20.35 | <b>Plan robustness comparison</b><br><i>High quality, robust photon and proton plans form the basis of model-based selection. In this presentation, the Dutch consensus on how to compare robustness of CTV and OAR dose in VMAT and IMPT is presented</i><br>E.W. Korevaar, PhD, medical physicist UMCG  |
| 18.45 - 19.00 | Panel Discussion   |               |   |
| 19.00 - 19.25 | Coffee Break   |               |   |
|               |  | 20.35 - 20.55 | <b>Advanced intensity modulated proton therapy in head and neck cancer</b><br><i>Presentation on treatment planning techniques, image-guidance and plan adaptation in head and neck cancer</i><br>D. Scandurra, PhD, medical physicist UMCG   |
| 19.25 - 19.55 | <b>Keynote lecture</b><br>A Pencil Beam Scanning Proton Therapy Journey...<br>professor S. Both, head of Medical Physics, dept. of Radiation Oncology UMCG   | 20.55 - 21.10 | Panel discussion  |
|               |  | 21.10 - 21.15 | Closing remarks   |
|               |  | 21.15 - 21.45 | Closure with drinks and a warm snack  |

# Clinical introduction of proton therapy in Groningen

## Location venue

UMCG, Rode Zaal  
Hanzeplein 1, 9713 GZ Groningen  
Please follow the signs 'Noordelijke Refereeravond  
Radiotherapie' within the UMCG.

## Registration

Please be aware that registration in advance is mandatory.  
Registration will be on the 'first come, first serve' basis.  
We kindly request you to registrate at:  
e.m.l.moed@umcg.nl

## Further Information

Secretariat Radiation Oncology UMCG  
Tel: +31-(0)50 - 361 55 32

## Website links

[www.umcgroningenptc.nl](http://www.umcgroningenptc.nl)  
[www.umcg.nl/NL/UMCG/Afdelingen/Radiotherapie/paginas/default.aspx](http://www.umcg.nl/NL/UMCG/Afdelingen/Radiotherapie/paginas/default.aspx)

## Parking

A parking place is available in parking garage 'UMCG Noord' or parking garage 'UMCG Zuid' (both paid parking).  
You can reach parking garage 'UMCG Noord' via the Vrydemalaan (follow UMCG Noord).

