



Annual course MRI in radiotherapy

June 2-4 2014

Location: Auditorium department of Radiotherapy (Q01.226)

Department of Radiotherapy



UMC Utrecht

In radiotherapy a trend is evident of increasing use of MRI in radiotherapy. Therefore, a need is created in radiation oncology to learn about implementation, interpretation and workflow of MRI for radiotherapy applications.

This course is intended for radiation oncologists, residents, medical physicists and trainees, who want to learn about the usage of MRI specifically for radiotherapy. It is also open for participants with different backgrounds e.g. from industry and (PhD) students. The course is divided in two parts, a general part for all attendants in the morning introducing general MRI physical concepts and essential MRI techniques for use in radiotherapy. In the afternoon, we will give two parallel sessions. In one session, targeted at radiation oncologists, residents and PhD student with a medical background, hands-on delineation training will be given by experienced radiation oncologist and clinical physicists. In the second session, targeted as medical physicists, trainees and PhD student with a technical/physical background, various key MRI techniques and physical aspects of MRI will be discussed in more depth.

The course will be given on 3 consecutive days from 10:00 till 17:30 in the auditorium at the Department Radiotherapy at UMC Utrecht. The course language is English. Lunch will be served near the auditorium. For trainees, PhD students and master students the course is free of costs. For staff members, the fee is € 400,-. After application you will receive information about payment. Accreditation points are requested at the NVRO and the NVKF.

Please apply before May 12th by sending an e-mail to:

Therèse Ites-Vogel (T.G.J.Vogel@umcutrecht.nl) with subject 'MRI in radiotherapy course 2014'.

For up to date information please visit:

<http://www.umcutrecht.nl/subsite/radiotherapy-research/Education/MRI-in-Radiotherapy.htm>

Course directors

Nico van den Berg, MR physicist

Mariëlle Philippens, Medical physicist

Program of course

	General program	Hands-on delineation sessions	Physical subjects
	morning	afternoon	afternoon
	All	Radiation oncologists	Physicists
Monday June 2 nd	Introduction MR physics prostate MRI	prostate MRI	QA contrasts Registration/image workflow
Tuesday June 3 rd	MRI for RT Functional MRI for RT Planning MRI for response assessment Head and neck MRI	Head and neck MRI	k-space Geometric distortion Safety
Wednesday June 4 th	brain MRI MRI guided RT How will MRI change radiotherapy cervical MRI	cervical MRI	DCE MRI DWI

Faculty

Teachers

Anna Andreychenko, Nico van den Berg, Clemens Bos, Hanneke Bluemink, Sjoerd Crijns, Jeroen Hendrikse, Martijn Intven, Karin Kleynen, Alexis Kotte, Jan Lagendijk, Frank Pameijer, Mariëlle Philippens, Bas Raaymakers, Ina Schulz, Chris Terhaard, Rob Tijssen, Marco van Vulpen

Delineation sessions

Hans de Boer, Hugo van der Heide, Nicolien Kasperts, Astrid de Leeuw, Metha Maenhout, Christel Nomden, Frank Pameijer, Niels Raaijmakers, Judith Roesink, Ina Schulz, Chris Terhaard, Jochem van der Voort van Zyp, Marco van Vulpen



University Medical Center Utrecht