

Department of Radiation Oncology



VU University medical center



The department in Amsterdam has a satellite location in Hoorn with 3 linear accelerators (Varian TrueBeam). There is extensive experience with the use of newer techniques, such as volumetric modulated arc therapy, and intra- and extracranial stereotactic radiotherapy. MR-guided radiotherapy will be clinically implemented in 2015. The department organizes an annual international course on SRS-SBRT.

For more details:

<http://www.vumc.com/branch/Radiation-Oncology/>

<http://www.sbrt.eu>

Equipment

MV-Treatment machines (9)

- 1 x ViewRay MRIdian (under installation)
- 5x Varian TrueBeam, with 120 -leaf MLC, (CB-CT) OBI and FFF-mode, RapidArc-mode and RPM, 6D couche
- 1x Varian-Brainlab Novalis Tx, with 120 HD-MLC, (CB-CT) OBI and SRS-mode, RapidArc-mode, ExacTrac X-ray and Robotic Couch
- 1x Varian Clinac 2300 C/D with 120-leaf MLC, (CB-CT) OBI and RapidArc-mode and RPM

- 1x Varian Trilogy, with 120-leaf MLC, SRS, (CB-CT) OBI, and SRS-mode, RapidArc-mode and RPM

CT-scanners

- 1x GE Medical Systems Lightspeed 16 with RPM and 4D-CT
- 1x GE Medical Systems Optima 580W, 16 multi-slices, with RPM and 4D-CT

Scientific staff

Chairman

Ben Slotman, MD, PhD
Professor and chairman, Radiation oncologist

Radiation Oncologists

Ben Slotman, MD, PhD - Professor and chairman
Suresh Senan, MRCP, FRCR, PhD - Professor and vice-chairman
Otto Meijer, MD - Head Medical Section
Eva Bongers, MD
Anne Marie Bruynzeel, MD, PhD
Max Dahele, MD, PhD
Patricia Doornaert, MD
Patricia de Haan, MD
Niels Haasbeek, MD, PhD
Frank Lagerwaard, MD, PhD
Philip Meijnen, MD, PhD
Swie Swat Oei, MD
Maartje Piet, MD
Derek Rietveld, MD
Femke Spoelstra, MD, PhD
Marije Vergeer, MD

Clinical Physicists

Johan Cuijpers, PhD , Head Physics Section

Marjan Admiraal, PhD

Stan Heukelom, PhD

Phil Koken, PhD

Wilko Verbakel, PhD

Miquel Angel Palacios Burgos

Tezontl Rosario

Researchers

Vincent Lafleur, PhD

Peter Sminia, PhD

J van Sornsens de Koste PhD

Victor Thijssen, PhD

PubMed selected recent publications

Lancet. 2015 Jan 3;385(9962):36-42. doi: 10.1016/S0140-6736(14)61085-0. Epub 2014 Sep 14.

Use of thoracic radiotherapy for extensive stage small-cell lung cancer: a phase 3 randomised controlled trial.

Slotman BJ1, van Tinteren H2, Praag JO3, Kneegjens JL4, El Sharouni SY5, Hatton M6, Keijser A7, Faivre-Finn C8, Senan S9.

Int J Radiat Oncol Biol Phys. 2015 Mar 1;91(3):612-20. doi: 10.1016/j.ijrobp.2014.11.014. Epub 2015 Jan 30.

Evaluation of a knowledge-based planning solution for head and neck cancer.

Tol JP1, Delaney AR2, Dahele M2, Slotman BJ2, Verbakel WF2.

Lancet Oncol. 2015 (in press).

Stereotactic ablative radiotherapy versus lobectomy for operable stage I NSCLC: a pooled analysis of two randomized trials

Joe Y Chang, Suresh Senan, Marinus A Paul, et al.,

Lung Cancer. 2015 Apr;88(1):94-9. doi: 10.1016/j.lungcan.2015.01.011. Epub 2015 Jan 23.

Second primary lung cancers following a diagnosis of primary head and neck cancer.

Griffioen GH1, Louie AV2, de Bree R3, Smit EF4, Paul MA5, Slotman BJ2, Leemans CR3, Senan S2.

Radiother Oncol. 2014 Aug;112(2):212-6. doi: 10.1016/j.radonc.2014.07.007. Epub 2014 Jul 28.

Patterns of distant brain recurrences after radiosurgery alone for newly diagnosed brain metastases: implications for salvage therapy.

Zindler JD1, Slotman BJ1, Lagerwaard FJ2.