

Magnetic Resonance guided Radiation Therapy (MRgRT), is a new and innovative treatment option that allows doctors to watch your tumor as they treat it, and adapt your treatment to tumor changes in real time.



Watch your tumor

- MRgRT is a combination of an MRI scan and radiation therapy.
- This differs from traditional radiation therapy because MRgRT allows doctors to watch your tumor as they treat it.
- MRgRT is designed so your doctors can adapt your treatment to daily changes in your body to create an approach that is unique to you.



Improve your treatment experience¹

- MRgRT is expected to reduce the dose to the healthy tissues that are next to the tumor.
- It can help reduce unwanted side effects from the radiation.^{1,2}
- It can potentially result in fewer treatment sessions.³



Respond to your body

The MR image allows your doctor to target your tumor with increased accuracy and precision,⁴ which reduces the amount of radiation exposure to surrounding organs.

Radiation therapy is a cancer treatment that uses high doses of radiation to destroy cancer cells and shrink tumors.



~50%

of all cancer cases are treated with radiation therapy, according to studies.⁵



57%

of all cancers globally are lung, breast, prostate, colon, stomach, liver, rectum, esophagus or cervical cancer.⁶



8 in 9

of these cancers are located in difficult-to-visualize soft-tissue anatomies, which is where MRgRT is especially effective.

Where can I go for updates and more information?

Please contact your healthcare provider with any questions/concerns.

Supported by Elekta

¹Gregoire V, Guckenberger M, Haustermans K, et al. Mol Oncol. 2020;14(7):1470-91. Available at: <https://febs.onlinelibrary.wiley.com/doi/epdf/10.1002/1878-0261.12751>. Last accessed December 2020. ²Hall WA, Paulson ES, van der Heide UA, et al. Eur J Cancer. 2019. 11; 122:42-52. Available at: <https://www.sciencedirect.com/science/article/abs/pii/S0959804919304290>. Last accessed: December 2020. ³Murray J, Tree AC. Clin Transl Radiat Oncol. 2019. 18:68-73. ⁴Bainbridge H, Salem A, et al. Transl Lung Cancer Res. 2017; 6(6): 689-707. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5709138/>. Last accessed: December 2020. ⁵IAEA. Radiotherapy in Cancer Care: Facing the Global Challenge. 2017. Available at: https://www-pub.iaea.org/MTCD/Publications/PDF/P1638_web.pdf. Last accessed: December 2020. ⁶World Health Organisation, The Global Cancer Observatory. All Cancers Fact Sheet. 2020. Available at: <https://gco.iarc.fr/today/data/factsheets/cancers/39-All-cancers-fact-sheet.pdf>. Last accessed: December 2020.