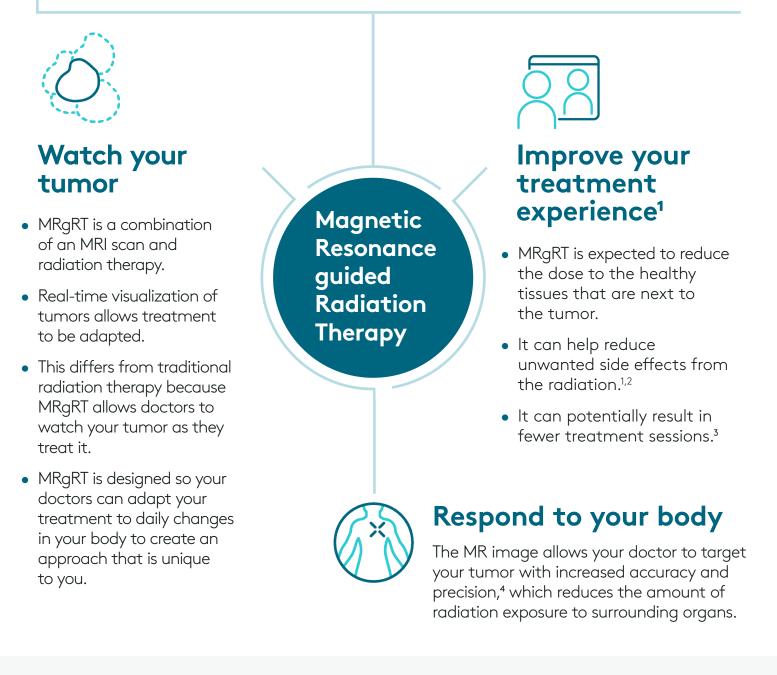
## Elekta

## Patient Guide to Magnetic Resonance guided Radiation Therapy

An innovative treatment option for people who have been diagnosed with cancer

Updated August 2022

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.



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









of all cancer cases are treated with radiation therapy, according to studies.<sup>5</sup> of all cancers globally are lung, breast, prostate, colon, stomach, liver, rectum, esophagus or cervical cancer.<sup>6</sup> 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

<sup>1</sup> Gregoire V, Guckenberger M, Haustermans K, et al. Image-guidance in radiation therapy for better cure of cancer. Mol Oncol. 2020. Available at: https://febs.onlinelibrary.wiley.com/doi/epdf/10.1002/1878- 0261.12751. Last accessed December 2020. <sup>2</sup> Hall WA, Paulson ES, van der Heide UA, et al. The transformation of radiation oncology using real-time magnetic resonance guidance: A review. Eur J Cancer. 2019. 11; 122:42–52. Available at: https://www.sciencedirect.com/science/article/abs/pii/ S0959804919304290. Last accessed: December 2020. <sup>3</sup> Murray J, Tree AC. Prostate cancer – Advantages and disadvantages of MR-guided RT. Clinical and Translational Radiation Oncology. 2019. 18:68–73. <sup>4</sup> Bainbridge H, Salem A, et al. Magnetic resonance imaging in precision radiation therapy for lung cancer. Transl Lung Cancer Res. 2017; 6(6): 689–707. Available at: https:// www.ncbi.nlm.nih.gov/pmc/articles/PMC5709138/. Last accessed: December 2020. <sup>5</sup> IAEA. 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. <sup>6</sup> World 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.