

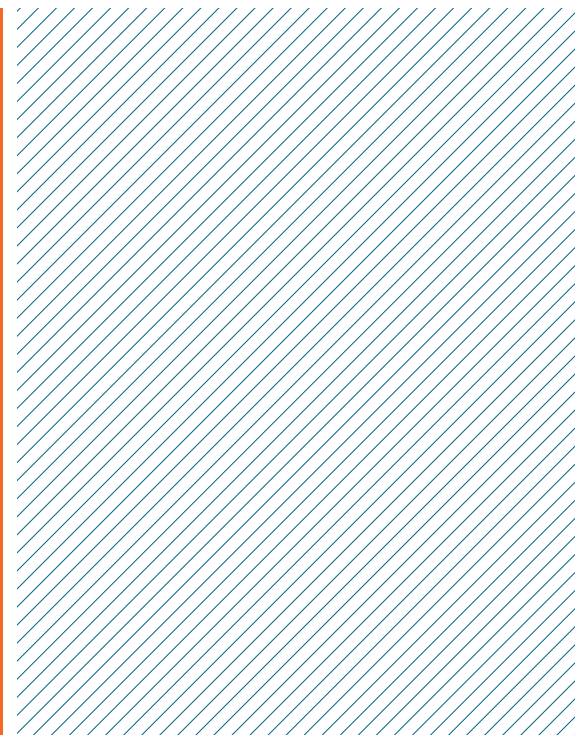
# Elekta Unity

## Peer-Reviewed Publications

### August 2019

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## General description of MR/RT technology (28)

**The need for, and implementation of, image guidance in radiation therapy.**

**Ann ICRP. 2018;47(3-4):160-76.**

Ibbott GS.

PMID: 29676166 DOI: 10.1177/0146645318764092

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**Magnetic resonance imaging-guided radiation therapy: a short strengths, weaknesses, opportunities, and threats analysis.**

**Int J Radiation Oncol Biol Phys. 2018;101(5):A1-12, 1011-1278.**

van Herk M, McWilliam A, Dubec M, Faivre-Finn C, Choudhury A.

DOI: 10.1016/j.ijrobp.2017.11.009

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**Adaptive radiotherapy enabled by MRI guidance.**

**Clin Oncol. 2018;30(11):711-719.**

Hunt A, Hansen VN, Oelfke U, Nill S, Hafeez S.

DOI: 10.1016/j.clon.2018.08.001

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**The challenges of using MRI during radiotherapy.**

**Clin Oncol. 2018;30(11):680-85.**

McWilliam A, Rowland B, van Herk M.

PMID: 30197096 DOI: 10.1016/j.clon.2018.08.004

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**The potential value of mri in external-beam radiotherapy for cervical cancer.**

**Clin Oncol. 2018;30(11):737-50.**

Cree A, Livsey J, Barraclough L, Dubec M, Hambrock T, van Herk M, Choudhury A, McWilliam A.

DOI: 10.1016/j.clon.2018.08.002

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**Magnetic resonance-guided radiotherapy—can we justify more expensive technology?**

**Clin Oncol. 2018;30(11):677-750.**

Tree AC, Huddart R, Choudhury A.

PMID: 30217480 DOI: 10.1016/j.clon.2018.08.013

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**Magnetic resonance imaging-guided adaptive radiotherapy: a “game changer” for prostate treatment?**

**Int J Radiation Oncol Biol Phys. 2018;100(2):361-73.**

Pathmanathan AU, van As NJ, Kerkmeijer LGW, Christodouleas J, Lawton CAF, Vesprini D, van der Heide UA, Frank SJ, Nill S, Oelfke U, van Herk M, Li XA, Mittauer K, Ritter M, Choudhury A, Tree AC.

PMID: 29353654 DOI: 10.1016/j.ijrobp.2017.10.020

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**The future of image-guided radiotherapy will be MR-guided.**

**Br J Radiol. 2017;90(1073):20160667.**

Pollard JM, Wen Z, Sadagopan R, Wang J, Ibbott GS.

PMID: 28256898 DOI: 10.1259/bjr.20160667

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**MRI-guided lung SBRT: present and future developments.**

**Phys Med. 2017;44:139-49.**

Menten MJ, Wetscherek A, Fast MF.

PMID: 28242140 DOI: 10.1016/j.ejmp.2017.02.003

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**MR-guided radiation therapy: transformative technology and its role in the central nervous system.**

**Neuro Oncol. 2017;19(Suppl):ii16-ii29.**

Cao Y, Tseng CL, Balter JM, Teng F, Parmar HA, Sahgal A.

PMID: 28380637 DOI: 10.1093/neuonc/nox006

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**MR-guided online adaptive therapy.**

**Oncol Times. 2017;39(8):13-14.**

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**Magnetic resonance imaging in precision radiation therapy for lung cancer.**

**Transl Lung Cancer Res. 2017;6(6):689-707.**

Bainbridge H, Salem A, Tijssen RHN, Dubec M, Wetscherek A, Van Es C, Belderbos J, Faivre-Finn C, McDonald F.

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**Clin Oncol. 2017;29(10):662-66.**

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**Br J Radiol. 2017;90(1071):20160768.**

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**MRI-guided prostate adaptive radiotherapy  
—a systematic review.****Radiother Oncol. 2016;119(3):371–380.**McPartlin AJ, Li XA, Kershaw LE, Heide U, Kerkmeijer L, Lawton C, Mahmood U, Pos F, van As N, van Herk M, Vesprini D, van der Voort van Zyp J, Tree A, Choudhury A.  
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White IM, Scurr E, Wetscherek A, Brown G, Sohaib A, Nill S, Oelfke U, Dearnaley D, Lalondrelle S, Bhide S.

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**Radiother Oncol.** 2019;143:50-54.

Werensteijn-Honingh AM, Kroon PS, Winkel D, Aalbers EM, van Asselen B, Bol GH, Brown KJ, Eppinga WSC, van Es CA, Glitzner M, de Groot-van Breugel EN, Hackett SL, Intven M, Kok JGM, Kontaxis C, Kotte AN, Lagendijk JJW, Philippens MEP, Tijssen RHN, Wolthaus JWH, Woodings SJ, Raaymakers BW, Jürgenliemk-Schulz IM.

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**phiRO.** 2018;7:1-8.

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**Strahlenther Onkol.** 2018;Oct 25:1-8.

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**Target volume delineation using diffusion-weighted imaging for MR-guided radiotherapy: a case series of laryngeal cancer validated by pathology.**

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**First patients treated with a 1.5 T MRI-linac: clinical proof of concept of a high-precision, high-field MRI guided radiotherapy treatment.**

**Phys Med Biol.** 2017;62(23):L41-L50.

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**Radiother Oncol.** 2017;122(1):159-162.

Sanderson B, McWilliam A, Faivre-Finn C, Kirkby NF, Jena R, Mee T, Choudhury A.

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## MR imaging (33)

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**Radiother Oncol. 2019.**

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**Int J Radiation Oncol Biol Phys. 2018;127(3):474-480.**

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**Radiother Oncol. 2018;127(3):474-480.**

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**Int J Radiation Oncol Biol Phys. 2018;102(4):801-812.**

Dinkla AM, Wolterink JM, Maspero M, Savenije M.H.F, Verhoeff J J.C., Seravalli E, Seevinck P.R, van den Berg C A.T.  
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**Simultaneous orthogonal plane cine imaging with balanced steady-state free-precession contrast using k-t GRAPPA.**

**Phys Med Biol. 2018;63(15).**

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**Phys Med Biol. 2018;63(15).**

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**Int J Radiat Oncol Biol Phys. 2018;101(5):1046-1056.**

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**Phys Med Biol. 2018;63(21).**

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**Int J Radiat Oncol Biol Phys. 2018 Aug 1;101(5):1046-1056.**

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**T2-weighted 4D magnetic resonance imaging for application in magnetic resonance-guided radiotherapy treatment planning.**

**Invest Radiol. 2017;52(10):563-573.**

Freedman JN, Collins DJ, Bainbridge H, Rank CM, Nill S, Kachelriess M, Oelfke U, Leach MO, Wetscherek A.

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**Magn Reson Med. 2017;78(5):1700-1710.**

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**Spatial precision in magnetic resonance imaging-guided radiation therapy: the role of geometric distortion.**

**Int J Radiat Oncol Biol Phys. 2016;95(4):1304-1316.**

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**Consensus opinion on MRI simulation for external beam radiation treatment planning.**

**Radiother Oncol. 2016;121(2):187-192.**

Paulson ES, Crijns SP, Keller BM, Wang J, Schmidt MA, Coutts G, van der Heide UA.

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**On-line 3D motion estimation using low resolution MRI.**

**Phys Med Biol. 2015;60(16):N301-310.**

Glitzner M, de Senneville BD, Lagendijk JJ, Raaymakers BW, Crijns SP.

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**Phys Med Biol. 2012;57(5):1349-1358.**

Crijns SP, Bakker CJ, Seevinck PR, de Leeuw H, Lagendijk JJ, Raaymakers BW.

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**Phys Med Biol. 2011;56(1):289-297.**

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**Phys Med Biol. 2019;64(5):055011.**

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