

Matteo Maspero, PhD, clinical scientist/Postdoc.
Computational imaging group for MR diagnostic & therapy, center for image sciences. Department of radiotherapy, division of imaging & oncology; University Medical Center Utrecht, the Netherlands. Email: m.maspero@umcutrecht.nl



Research output

Generating synthetic computed tomography for radiotherapy: SynthRAD2023 challenge report

Huijben, E. M. C., Terpstra, M. L., Galapon, A. J., Pai, S., Thummerer, A., Koopmans, P., Afonso, M., van Eijnatten, M., Gurney-Champion, O., Chen, Z., Zhang, Y., Zheng, K., Li, C., Pang, H., Ye, C., Wang, R., Song, T., Fan, F., Qiu, J., Huang, Y., & 39 others Ha, J., Sung Park, J., Alain-Beaudoin, A., Bériault, S., Yu, P., Guo, H., Huang, Z., Li, G., Zhang, X., Fan, Y., Liu, H., Xin, B., Nicolson, A., Zhong, L., Deng, Z., Müller-Franzes, G., Khader, F., Li, X., Zhang, Y., Hémon, C., Boussoit, V., Zhang, Z., Wang, L., Bai, L., Wang, S., Mus, D., Kooiman, B., Sargeant, C. A. H., Henderson, E. G. A., Kondo, S., Kasai, S., Karimzadeh, R., Ibragimov, B., Helfer, T., Dafflon, J., Chen, Z., Wang, E., Perko, Z. & Maspero, M., Oct 2024, In: *Medical Image Analysis*. 97, 103276.

Artificial intelligence to generate synthetic CT for adaptive particle therapy

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Generalizable synthetic MRI with physics-informed convolutional networks

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Deep-learning-based joint rigid and deformable contour propagation for magnetic resonance imaging-guided prostate radiotherapy

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Dosimetric feasibility of direct post-operative MR-Linac-based stereotactic radiosurgery for resection cavities of brain metastases

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Education

2014-2018 PhD, Utrecht University, UMC Utrecht; "MR-only Radiotherapy of prostate cancer"

2011-2014 Laurea Magistrale (M.Sc) in Physics, Universitas Studiorum Insubriæ, Como.

Level: 110 cum Laude/110

2008-2011 Bachelor in Physics, Universitas Studiorum Insubriae, Como.

Level: 104/110

2003-2008 Diploma di maturità Scientifica, Liceo Scientifico "E. Fermi", Cantù.

Level: 100/100