

# How does CT image noise affect 3D deformable image registration for radiotherapy planning?

Medical Physics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Auto-propagation of contours for adaptive prostate radiation therapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 4533-4542.	1.6	50
2	Feature-based rectal contour propagation from planning CT to cone beam CT. <i>Medical Physics</i> , 2008, 35, 4450-4459.	1.6	51
3	Validation of an automatic contour propagation method for lung cancer 4D adaptive radiation therapy. , 2009, , .		7
4	Development of an accelerated GVF semi-automatic contouring algorithm for radiotherapy treatment planning. <i>Computers in Biology and Medicine</i> , 2009, 39, 650-656.	3.9	18
5	A novel flexible framework with automatic feature correspondence optimization for nonrigid registration in radiotherapy. <i>Medical Physics</i> , 2009, 36, 2848-2859.	1.6	56
6	Assessing the intrinsic precision of 3D/3D rigid image registration results for patient setup in the absence of a ground truth. <i>Medical Physics</i> , 2010, 37, 2501-2508.	1.6	10
7	37, 2351-2358.	1.6	35
8	Clinical Evaluation of Soft Tissue Organ Boundary Visualization on Cone-Beam Computed Tomographic Imaging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 78, 929-936.	0.4	48
9	A pseudoinverse deformation vector field generator and its applications. <i>Medical Physics</i> , 2010, 37, 1117-1128.	1.6	16
10	Automatic image guidance for prostate IMRT using low dose CBCT. <i>Medical Physics</i> , 2010, 37, 3677-3686.	1.6	5
11	Multiscale registration for noisy medical images. , 2010, , .		2
12	The influence of CT image noise on proton range calculation in radiotherapy planning. <i>Physics in Medicine and Biology</i> , 2010, 55, N141-N149.	1.6	42
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17	A method to estimate the effect of deformable image registration uncertainties on daily dose mapping. <i>Medical Physics</i> , 2012, 39, 573-580.	1.6	43
18	Effects of Noise in 4D CT on Deformable Image Registration and Derived Ventilation Data. <i>Practical Radiation Oncology</i> , 2013, 3, S7-S8.	1.1	0

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19	A Fully Automated Method for CT-on-Rails-Guided Online Adaptive Planning for Prostate Cancer Intensity Modulated Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 86, 835-841.	0.4	39
20	Site-specific deformable imaging registration algorithm selection using patient-based simulated deformations. Medical Physics, 2013, 40, 041911.	1.6	66
21	Effects of quantum noise in 4D-CT on deformable image registration and derived ventilation data. Physics in Medicine and Biology, 2013, 58, 7661-7672.	1.6	15
22	Validation of Automatic Contour Propagation for 4D Treatment Planning Using Multiple Metrics. Technology in Cancer Research and Treatment, 2013, 12, 501-510.	0.8	19
23	Using patient-specific phantoms to evaluate deformable image registration algorithms for adaptive radiation therapy. Journal of Applied Clinical Medical Physics, 2013, 14, 177-194.	0.8	40
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29	Automated Delineation of the Normal Urinary Bladder on Planning CT and Cone Beam CT. Journal of Medical Imaging and Radiation Sciences, 2016, 47, 21-29.	0.2	4
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36	Usefulness of hybrid deformable image registration algorithms in prostate radiation therapy. Journal of Applied Clinical Medical Physics, 2019, 20, 229-236.	0.8	45

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38	COMP Report: A survey of radiation safety regulations for medical imaging x-ray equipment in Canada. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 10-19.	0.8	3
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43	Past, present and future role of retinal imaging in neurodegenerative disease. <i>Progress in Retinal and Eye Research</i> , 2021, 83, 100938.	7.3	60
44	Accurate and efficient internal deformation measurement of multiphase/porous materials via segmentation-aided digital volume correlation. <i>Applied Optics</i> , 2022, 61, C1.	0.9	4
45	Optimal slice thickness for cone-beam CT with on-board imager. <i>Biomedical Imaging and Intervention Journal</i> , 2010, 6, e31.	0.5	4
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