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## Evaluation of dosimetric margins in prostate IMRT treatment plans

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Medical Physics, 2008, 35, 569-75.

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#	Paper	IF	Citations
40	Coverage-based treatment planning: optimizing the IMRT PTV to meet a CTV coverage criterion. <i>Medical Physics</i> , <b>2009</b> , 36, 961-73	4.4	14
39	Effect of translational and rotational errors on complex dose distributions with off-line and on-line position verification. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 74, 1600-8	4	189
38	Incorporating uncertainties in respiratory motion into 4D treatment plan optimization. <i>Medical Physics</i> , <b>2009</b> , 36, 3059-71	4.4	28
37	Comparisons of treatment optimization directly incorporating random patient setup uncertainty with a margin-based approach. <i>Medical Physics</i> , <b>2009</b> , 36, 3880-90	4.4	18
36	Dosimetric impact of intrafractional patient motion in pediatric brain tumor patients. <i>Medical Dosimetry</i> , <b>2010</b> , 35, 43-8	1.3	16
35	Dosimetric impact of daily setup variations during treatment of canine nasal tumors using intensity-modulated radiation therapy. <i>Veterinary Radiology and Ultrasound</i> , <b>2010</b> , 51, 90-6	1.2	17
34	Schedule for CT image guidance in treating prostate cancer with helical tomotherapy. <i>British Journal of Radiology</i> , <b>2010</b> , 83, 241-51	3.4	20
33	Dosimetric effect of setup motion and target volume margin reduction in pediatric ependymoma. <i>Radiotherapy and Oncology</i> , <b>2010</b> , 96, 216-22	5.3	22
32	Intensity modulation under geometrical uncertainty: a deconvolution approach to robust fluence. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 4029-45	3.8	4
31	Individualized margins for prostate patients using a wireless localization and tracking system. <i>Journal of Applied Clinical Medical Physics</i> , <b>2011</b> , 12, 3516	2.3	5
30	Accuracy of relocation, evaluation of geometric uncertainties and clinical target volume (CTV) to planning target volume (PTV) margin in fractionated stereotactic radiotherapy for intracranial tumors using relocatable Gill-Thomas-Cosman (GTC) frame. <i>Journal of Applied Clinical Medical Physics</i> , <b>2010</b> , 12, 3210	2.3	8
29	Sensitivity of postplanning target and OAR coverage estimates to dosimetric margin distribution sampling parameters. <i>Medical Physics</i> , <b>2011</b> , 38, 1018-27	4.4	3
28	Inter- and intrafractional positional uncertainties in pediatric radiotherapy patients with brain and head and neck tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 79, 1266-74	4	35
27	Residual seminal vesicle displacement in marker-based image-guided radiotherapy for prostate cancer and the impact on margin design. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2011</b> , 80, 590-6	4	18
26	Prostate intrafraction translation margins for real-time monitoring and correction strategies. <i>Prostate Cancer</i> , <b>2012</b> , 2012, 130579	1.9	16
25	Comparisons of treatment optimization directly incorporating systematic patient setup uncertainty with a margin-based approach. <i>Medical Physics</i> , <b>2012</b> , 39, 1102-11	4.4	12
24	A new deconvolution approach to robust fluence for intensity modulation under geometrical uncertainty. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 6095-110	3.8	1

23	Experimental validation of the van Herk margin formula for lung radiation therapy. <i>Medical Physics</i> , <b>2013</b> , 40, 111721	4.4	9
22	Coverage-based treatment planning to accommodate deformable organ variations in prostate cancer treatment. <i>Medical Physics</i> , <b>2014</b> , 41, 101705	4.4	15
21	Combined recipe for clinical target volume and planning target volume margins. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2014</b> , 88, 708-14	4	14
20	Determination of optimal PTV margin for patients receiving CBCT-guided prostate IMRT: comparative analysis based on CBCT dose calculation with four different margins. <i>Journal of Applied Clinical Medical Physics</i> , <b>2015</b> , 16, 252-262	2.3	18
19	Realistic respiratory motion margins for external beam partial breast irradiation. <i>Medical Physics</i> , <b>2015</b> , 42, 5404-9	4.4	2
18	Coverage-based treatment planning to accommodate delineation uncertainties in prostate cancer treatment. <i>Medical Physics</i> , <b>2015</b> , 42, 5435-43	4.4	7
17	Deformable image registration and interobserver variation in contour propagation for radiation therapy planning. <i>Journal of Applied Clinical Medical Physics</i> , <b>2016</b> , 17, 347-357	2.3	9
16	[Establishing margins from CTV to PTV in breast cancer treatment]. <i>Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique</i> , <b>2016</b> , 20, 640-4	1.3	0
15	A general method for the definition of margin recipes depending on the treatment technique applied in helical tomotherapy prostate plans. <i>Physica Medica</i> , <b>2016</b> , 32, 116-22	2.7	1
14	Clinical adequacy assessment of autocontours for prostate IMRT with meaningful endpoints. <i>Medical Physics</i> , <b>2017</b> , 44, 1525-1537	4.4	4
13	Cone-beam CT-based inter-fraction localization errors for tumors in the pelvic region. <i>Physica Medica</i> , <b>2018</b> , 46, 59-66	2.7	1
12	Positional uncertainty of vaginal cuff and feasibility of implementing portable bladder scanner in postoperative cervical cancer patients. <i>Physica Medica</i> , <b>2018</b> , 45, 1-5	2.7	10
11	Robust radiotherapy planning. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 22TR02	3.8	75
10	Calculation of delivered composite dose from Calypso tracking data for prostate cancer: And subsequent evaluation of reasonable treatment interruption tolerance limits. <i>Journal of Applied Clinical Medical Physics</i> , <b>2019</b> , 20, 105-113	2.3	1
9	Impact of high dose volumetric CT on PTV margin reduction in VMAT prostate radiotherapy. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 065017	3.8	1
8	Determination of geometrical margins in external beam radiotherapy for prostate cancer. <i>Journal of Radiotherapy in Practice</i> , <b>2019</b> , 18, 186-189	0.4	
7	Estimating PTV Margins in Head and Neck Stereotactic Ablative Radiation Therapy (SABR) Through Target Site Analysis of Positioning and Intrafractional Accuracy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2020</b> , 106, 185-193	4	7
6	What is plan quality in radiotherapy? The importance of evaluating dose metrics, complexity, and robustness of treatment plans. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 153, 26-33	5.3	26

5	Assessment of biological dosimetric margin for stereotactic body radiation therapy. <i>Journal of Applied Clinical Medical Physics</i> , <b>2020</b> , 21, 31-41	2.3	0
4	SABR for Skull Base Malignancies: A Systematic Analysis of Set-Up and Positioning Accuracy. <i>Practical Radiation Oncology</i> , <b>2020</b> , 10, 363-371	2.8	3
3	Prostate or bone? Comparing the efficacy of image guidance surrogates for pelvis and prostate radiotherapy using accumulated delivered dose. <i>Journal of Medical Imaging and Radiation Sciences</i> , <b>2021</b> , 52, 14-21	1.4	
2	Biologically Targeted Radiation Therapy: Incorporating Patient-Specific Hypoxia Data Derived from Quantitative Magnetic Resonance Imaging. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
1	Treatment plan comparison between Tri-Co-60 magnetic-resonance image-guided radiation therapy and volumetric modulated arc therapy for prostate cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 91174-91184	3.3	7