

Evaluation of dose prediction errors and optimization of deliverable-based head-and-neck IMRT plans computed dose algorithm

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#	ARTICLE	IF	CITATIONS
1	Dose calculation algorithms in the context of inhomogeneity corrections for high energy photon beams. <i>Medical Physics</i> , 2009, 36, 4765-4775.	1.6	33
2	Treatment Planning: IMRT Optimization – Basic and Advanced Techniques. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 95-106.	0.2	0
3	Quantification of the skin sparing effect achievable with high-energy photon beams when carbon fiber tables are used. <i>Radiotherapy and Oncology</i> , 2009, 93, 147-152.	0.3	15
4	Algorithm for correcting optimization convergence errors in Eclipse. <i>Journal of Applied Clinical Medical Physics</i> , 2009, 10, 281-289.	0.8	8
5	Lung Dose for Minimally Moving Thoracic Lesions Treated With Respiration Gating. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 285-291.	0.4	6
6	Monte Carlo evaluation of RapidArc™ oropharynx treatment planning strategies for sparing of midline structures. <i>Physics in Medicine and Biology</i> , 2010, 55, 4465-4479.	1.6	12
7	Pareto front analysis of 6 and 15 MV dynamic IMRT for lung cancer using pencil beam, AAA and Monte Carlo. <i>Physics in Medicine and Biology</i> , 2010, 55, 4521-4533.	1.6	23
8	The effect of gantry spacing resolution on plan quality in a single modulated arc optimization. <i>Journal of Applied Clinical Medical Physics</i> , 2011, 12, 175-184.	0.8	8
9	CT-Myelography for High-Dose Irradiation of Spinal and Paraspinal Tumors with Helical Tomotherapy. <i>Strahlentherapie Und Onkologie</i> , 2011, 187, 416-420.	1.0	13
10	Carbon fiber couch effects on skin dose for volumetric modulated arcs. <i>Medical Physics</i> , 2011, 38, 2419-2423.	1.6	14
11	Direct aperture optimization for FLECBASED MERT and its application in mixed beam radiotherapy. <i>Medical Physics</i> , 2012, 39, 4820-4831.	1.6	18
12	Biological Optimization in Volumetric Modulated Arc Radiotherapy for Prostate Carcinoma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 82, 1292-1298.	0.4	11
13	Evaluation of dose prediction error and optimization convergence error in four-dimensional inverse planning of robotic stereotactic lung radiotherapy. <i>Journal of Applied Clinical Medical Physics</i> , 2013, 14, 182-195.	0.8	5
14	Impact of dose calculation accuracy during optimization on lung IMRT plan quality. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 219-228.	0.8	10
15	Dose-mass inverse optimization for minimally moving thoracic lesions. <i>Physics in Medicine and Biology</i> , 2015, 60, 3927-3937.	1.6	3
16	Monte Carlo calculations support organ sparing in Deep-Inspiration Breath-Hold intensity-modulated radiotherapy for locally advanced lung cancer. <i>Radiotherapy and Oncology</i> , 2015, 117, 55-63.	0.3	10
17	New approach in lung cancer radiotherapy offers better normal tissue sparing. <i>Radiotherapy and Oncology</i> , 2016, 121, 316-321.	0.3	2
18	Radiation therapy for stereotactic body radiation therapy in spine tumors: linac or robotic?. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 015012.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Simultaneous optimization of photons and electrons for mixed beam radiotherapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 5840-5860.	1.6	27
20	Integral Dose-Based Inverse Optimization May Reduce Side Effects in Radiotherapy of Prostate Carcinoma. <i>Frontiers in Oncology</i> , 2017, 7, 27.	1.3	1
21	Integral dose based inverse optimization objective function promises lower toxicity in head-and-neck. <i>Physica Medica</i> , 2018, 54, 77-83.	0.4	2
22	Automated inverse optimization facilitates lower doses to normal tissue in pancreatic stereotactic body radiotherapy. <i>PLoS ONE</i> , 2018, 13, e0191036.	1.1	5
23	Relation Between Tumor Size and Range of Motion in IMRT Treatment Planning for Thoracic Lesions. <i>Journal of Cancer Science & Therapy</i> , 2010, 02, .	1.7	1
24	Dosimetric impact of intermediate dose calculation for optimization convergence error. <i>Oncotarget</i> , 2016, 7, 37589-37598.	0.8	0
25	Investigation of The Effect of Intermediate Dose Calculation Module on Dose Distribution in Lung Cancer Radiotherapy Patients. <i>International Journal of Computational and Experimental Science and Engineering</i> , 2019, 5, 142-146.	5.3	0