## Development and preliminary evaluation of a prototype incorporating a patient-specific guiding waveform

Physics in Medicine and Biology 53, N197-N208 DOI: 10.1088/0031-9155/53/11/n01

**Citation Report** 

#	Article	IF	CITATIONS
1	Retrospective Analysis of Artifacts in Four-Dimensional CT Images of 50 Abdominal and Thoracic Radiotherapy Patients. International Journal of Radiation Oncology Biology Physics, 2008, 72, 1250-1258.	0.8	215
2	Prospective displacement and velocity-based cine 4D CT. Medical Physics, 2008, 35, 4501-4512.	3.0	42
3	Design and evaluation of a methodology to perform personalized visual biofeedback for reducing respiratory amplitude in radiation treatment. Medical Physics, 2009, 36, 1467-1472.	3.0	16
4	Real-time profiling of respiratory motion: baseline drift, frequency variation and fundamental pattern change. Physics in Medicine and Biology, 2009, 54, 4777-4792.	3.0	57
5	Accuracy in the localization of thoracic and abdominal tumors using respiratory displacement, velocity, and phase. Medical Physics, 2009, 36, 386-393.	3.0	33
6	Commissioning and quality assurance for a respiratory training system based on audiovisual biofeedback. Journal of Applied Clinical Medical Physics, 2010, 11, 42-56.	1.9	16
7	Quantification of Artifact Reduction With Real-Time Cine Four-Dimensional Computed Tomography Acquisition Methods. International Journal of Radiation Oncology Biology Physics, 2010, 76, 1242-1250.	0.8	26
8	Inter-observer and intra-observer reliability for lung cancer target volume delineation in the 4D-CT era. Radiotherapy and Oncology, 2010, 95, 166-171.	0.6	98
9	Motion Management and Image Guidance for Thoracic Tumor Radiotherapy: Clinical Treatment Programs. Frontiers of Radiation Therapy and Oncology, 2011, 43, 271-291.	1.4	14
10	Characterization and identification of spatial artifacts during 4D T imaging. Medical Physics, 2011, 38, 2074-2087.	3.0	28
11	Quasi-breath-hold technique using personalized audio-visual biofeedback for respiratory motion management in radiotherapy. Medical Physics, 2011, 38, 3114-3124.	3.0	19
12	Report of AAPM TG 135: Quality assurance for robotic radiosurgery. Medical Physics, 2011, 38, 2914-2936.	3.0	196
13	Four-Dimensional Lung Treatment Planning in Layer-Stacking Carbon Ion Beam Treatment: Comparison of Layer-Stacking and Conventional Ungated/Gated Irradiation. International Journal of Radiation Oncology Biology Physics, 2011, 80, 597-607.	0.8	13
14	Investigation of a novel algorithm for true 4D-VMAT planning with comparison to tracked, gated and static delivery. Medical Physics, 2011, 38, 2698-2707.	3.0	28
15	Fluoroscopy as a surrogate for lung tumour motion. British Journal of Radiology, 2012, 85, 168-175.	2.2	8
16	Audiovisual biofeedback improves diaphragm motion reproducibility in MRI. Medical Physics, 2012, 39, 6921-6928.	3.0	42
17	The impact of audio-visual biofeedback on 4D PET images: Results of a phantom study. Medical Physics, 2012, 39, 1046-1057.	3.0	18
18	Interfractional Positional Variability of Fiducial Markers and Primary Tumors in Locally Advanced Non-Small-Cell Lung Cancer During Audiovisual Biofeedback Radiotherapy. International Journal of Radiation Opcology Biology Physics, 2012, 83, 1566-1572	0.8	58

CITATION REPORT

#	Article	IF	CITATIONS
19	Reproducibility of Four-dimensional Computed Tomography-based Lung Ventilation Imaging. Academic Radiology, 2012, 19, 1554-1565.	2.5	53
20	An automated method for comparing motion artifacts in cine fourâ€dimensional computed tomography images. Journal of Applied Clinical Medical Physics, 2012, 13, 170-180.	1.9	17
21	A visual patient feedback device using optical surface measurement for the cooperative management of setup and body dynamics during radiotherapy. Biomedical Signal Processing and Control, 2013, 8, 596-602.	5.7	2
22	Clinical Implementation of Intrafraction Cone Beam Computed Tomography Imaging During Lung Tumor Stereotactic Ablative Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2013, 87, 917-923.	0.8	32
23	Dose Escalation for Locally Advanced Lung Cancer Using Adaptive Radiation Therapy With Simultaneous Integrated Volume-Adapted Boost. International Journal of Radiation Oncology Biology Physics, 2013, 86, 414-419.	0.8	30
24	Improvement in the accuracy of respiratory-gated radiation therapy using a respiratory guiding system. Journal of the Korean Physical Society, 2013, 62, 159-164.	0.7	3
25	4D VMAT, gated VMAT, and 3D VMAT for stereotactic body radiation therapy in lung. Physics in Medicine and Biology, 2013, 58, 749-770.	3.0	39
26	Optimizing 4D cone beam computed tomography acquisition by varying the gantry velocity and projection time interval. Physics in Medicine and Biology, 2013, 58, 1705-1723.	3.0	30
27	4D CT lung ventilation images are affected by the 4D CT sorting method. Medical Physics, 2013, 40, 101907.	3.0	52
28	Audiovisual biofeedback improves motion prediction accuracy. Medical Physics, 2013, 40, 041705.	3.0	20
29	Estimating the 4D respiratory lung motion by spatiotemporal registration and superâ€resolution image reconstruction. Medical Physics, 2013, 40, 031710.	3.0	21
30	Development of realâ€time motion verification system using inâ€room optical images for respiratoryâ€gated radiotherapy. Journal of Applied Clinical Medical Physics, 2013, 14, 25-42.	1.9	9
31	Quasi-breath-hold (QBH) Biofeedback in Gated 3D Thoracic MRI: Feasibility Study. Progress in Medical Physics, 2014, 25, 72.	0.4	1
32	The potential of positron emission tomography for intratreatment dynamic lung tumor tracking: A phantom study. Medical Physics, 2014, 41, 021718.	3.0	18
33	Motion management within two respiratory-gating windows: feasibility study of dual quasi-breath-hold technique in gated medical procedures. Physics in Medicine and Biology, 2014, 59, 6583-6594.	3.0	10
34	The internal–external respiratory motion correlation is unaffected by audiovisual biofeedback. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 97-102.	1.3	7
35	Irregular breathing during 4DCT scanning of lung cancer patients: Is the midventilation approach robust?. Physica Medica, 2014, 30, 69-75.	0.7	22
36	Interfraction Displacement of Primary Tumor and Involved Lymph Nodes Relative to Anatomic Landmarks in Image Guided Radiation Therapy of Locally Advanced Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2014, 88, 210-215.	0.8	12

CITATION REPORT

#	Article	IF	CITATIONS
37	Audiovisual biofeedback improves image quality and reduces scan time for respiratory-gated 3D MRI. Journal of Physics: Conference Series, 2014, 489, 012033.	0.4	7
38	Reference respiratory waveforms by minimum jerk model analysis. Medical Physics, 2015, 42, 5066-5074.	3.0	5
39	Development of a novel remoteâ€controlled and selfâ€contained audiovisualâ€aided interactive system for immobilizing claustrophobic patients. Journal of Applied Clinical Medical Physics, 2015, 16, 216-224.	1.9	4
40	Respiratory motion variability of primary tumors and lymph nodes during radiotherapy of locally advanced non-small-cell lung cancers. Radiation Oncology, 2015, 10, 133.	2.7	8
41	Audiovisual biofeedback breathing guidance for lung cancer patients receiving radiotherapy: a multi-institutional phase II randomised clinical trial. BMC Cancer, 2015, 15, 526.	2.6	11
43	Breathing guidance in radiation oncology and radiology: A systematic review of patient and healthy volunteer studies. Medical Physics, 2015, 42, 5490-5509.	3.0	28
44	Four dimensional magnetic resonance imaging optimization and implementation for magnetic resonance imaging simulation. Practical Radiation Oncology, 2015, 5, 433-442.	2.1	23
45	The impact of breathing guidance and prospective gating during thoracic 4DCT imaging: an XCAT study utilizing lung cancer patient motion. Physics in Medicine and Biology, 2016, 61, 6485-6501.	3.0	17
46	Impact of incorporating visual biofeedback in 4D MRI. Journal of Applied Clinical Medical Physics, 2016, 17, 128-137.	1.9	9
47	A concept for classification of optimal breathing pattern for use in radiotherapy tracking, based on respiratory tumor kinematics and minimum jerk analysis. Medical Physics, 2016, 43, 3168-3177.	3.0	2
48	Comparison of visual biofeedback system with a guiding waveform and abdomen-chest motion self-control system for respiratory motion management. Journal of Radiation Research, 2016, 57, 387-392.	1.6	4
49	The impact of audiovisual biofeedback on 4D functional and anatomic imaging: Results of a lung cancer pilot study. Radiotherapy and Oncology, 2016, 120, 267-272.	0.6	10
50	Audiovisual Biofeedback Improves Cine–Magnetic Resonance Imaging Measured Lung Tumor Motion Consistency. International Journal of Radiation Oncology Biology Physics, 2016, 94, 628-636.	0.8	26
51	Audiovisual biofeedback guided breath-hold improves lung tumor position reproducibility and volume consistency. Advances in Radiation Oncology, 2017, 2, 354-362.	1.2	14
52	A longitudinal fourâ€dimensional computed tomography and cone beam computed tomography dataset for imageâ€guided radiation therapy research in lung cancer. Medical Physics, 2017, 44, 762-771.	3.0	65
53	The first step towards a respiratory motion prediction for natural-breathing by using a motion generator. Journal of the Korean Physical Society, 2017, 70, 621-628.	0.7	0
54	Audiovisual biofeedback improves the correlation between internal/external surrogate motion and lung tumor motion. Medical Physics, 2018, 45, 1009-1017.	3.0	21
55	Impact of audiovisual biofeedback on interfraction respiratory motion reproducibility in liver cancer stereotactic body radiotherapy. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 133-139.	1.8	0

#	Article	IF	CITATIONS
56	Results from a clinical trial evaluating the efficacy of real-time body surface visual feedback in reducing patient motion during lung cancer radiotherapy. Acta Oncológica, 2018, 57, 211-218.	1.8	4
57	A respiratory-guided 4D digital tomosynthesis. Physics in Medicine and Biology, 2018, 63, 245007.	3.0	3
58	An <i>in silico</i> performance characterization of respiratory motion guided 4DCT for high-quality low-dose lung cancer imaging. Physics in Medicine and Biology, 2018, 63, 155012.	3.0	10
59	Design and Evaluation of a MEMS Magnetic Field Sensor-Based Respiratory Monitoring and Training System for Radiotherapy. Sensors, 2018, 18, 2742.	3.8	15
60	Time-resolved volumetric MRI in MRI-guided radiotherapy: an <i>in silico</i> comparative analysis. Physics in Medicine and Biology, 2019, 64, 185013.	3.0	23
61	Investigating the impact of tumour motion on TomoTherapy stereotactic ablative body radiotherapy (SABR) deliveries on 3-dimensional and 4-dimensional computed tomography. Australasian Physical and Engineering Sciences in Medicine, 2019, 42, 169-179.	1.3	2
62	A clustering approach to 4D MRI retrospective sorting for the investigation of different surrogates. Physica Medica, 2019, 58, 107-113.	0.7	13
63	Direct tumor visual feedback during free breathing in 0.35T MRgRT. Journal of Applied Clinical Medical Physics, 2020, 21, 241-247.	1.9	14
64	Development and Performance Evaluation of Wearable Respiratory Self-Training System Using Patch Type Magnetic Sensor. Frontiers in Oncology, 2021, 11, 680147.	2.8	1
65	Effectiveness of individual audio-visual coaching, respiratory modulated stereotactic body radiotherapy for localized hepatocellular carcinoma: Analysis of 29 cases from a single academic radiotherapy center. Tzu Chi Medical Journal, 2021, 33, 380.	1.1	1
66	i â~' m â~' Breath: The Effect of Multimedia Biofeedback on Learning Abdominal Breath. Lecture Computer Science, 2011, , 548-558.	Notes in 1.3	3
67	Introduction to 4D Motion Modeling and 4D Radiotherapy. Biological and Medical Physics Series, 2013, , 1-21.	0.4	2
68	Geometric uncertainty analysis of MLC tracking for lung SABR. Physics in Medicine and Biology, 2020, 65, 235040.	3.0	6
69	Long-Term Safety and Stability of Gold Coil Fiducial Markers in Non-Small-Cell Lung Cancer Image-Guided Radiotherapy. International Journal of Radiology & Radiation Therapy, 2017, 3, .	0.1	2
70	A method of respiratory phase optimization for better dose sparing of organs at risks: A validation study in patients with lung cancer. Oncotarget, 2018, 9, 205-216.	1.8	3
71	Visually guided respiratory motion management for Ethos adaptive radiotherapy. Journal of Applied Clinical Medical Physics, 2022, 23, .	1.9	9
72	A MORPHING TECHNIQUE TO ESTIMATE LUNG CANCER DEFORMATION DUE TO BREATHING IN RADIOTHERAPIC TREATMENT. , 2010, , .		0
73	Development of respiratory training system using individual characteristic guiding waveform. IFMBE Proceedings, 2013, , 2123-2125.	0.3	1

CITATION REPORT

	CITATION	CITATION REPORT		
#	Article	IF	CITATIONS	
74	Audio-Visual Biofeedback for Respiratory Motion Management: Comparison of the Reproducibility of Breath-Holding between Visual and Audio Guidance. Journal of Modern Physics, 2018, 09, 2286-2294.	0.6	1	
75	CT in Room Gating During Radiotherapy. Medical Radiology, 2020, , 91-106.	0.1	0	