

Habib Safigholi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Update of the CLRP eye plaque brachytherapy database for photonâ€emitting sources. Medical Physics, 2021, 48, 3373-3283.	1.6	2
2	Electronic intracavitary brachytherapy quality management based on risk analysis: The report of AAPM TG 182. Medical Physics, 2020, 47, e65-e91.	1.6	5
3	Update of the CLRP TGâ€43 parameter database for lowâ€energy brachytherapy sources. Medical Physics, 2020, 47, 4656-4669.	1.6	21
4	Doseâ€rate considerations for the INTRABEAM electronic brachytherapy system: Report from the American Association of Physicists in Medicine task group no. 292. Medical Physics, 2020, 47, e913-e919.	1.6	8
5	Quantitative CT assessment of a novel direction-modulated brachytherapy tandem applicator. Brachytherapy, 2018, 17, 465-475.	0.2	16
6	MRI-based automated detection of implanted low dose rate (LDR) brachytherapy seeds using quantitative susceptibility mapping (QSM) and unsupervised machine learning (ML). Radiotherapy and Oncology, 2018, 129, 540-547.	0.3	24
7	Modeling of the direction modulated brachytherapy tandem applicator using the Oncentra Brachy advanced collapsed cone engine. Brachytherapy, 2018, 17, 1030-1036.	0.2	9
8	Direction Modulated Brachytherapy (dmbt) Tandem Applicator with Various Shields for Cervical Cancer Treatment. Brachytherapy, 2018, 17, S66.	0.2	0
9	Modeling of The Direction Modulated Brachytherapy (dmbt) Tandem Applicator in a Commercial Oncentra Brachy Tps Using The Advanced Collapse Cone Engine (ace) Algorithm. Brachytherapy, 2018, 17, S106-S107.	0.2	0
10	Calculation of water equivalent ratios for various materials at proton energies ranging 10â€500 MeV using MCNP, FLUKA, and GEANT4 Monte Carlo codes. Physics in Medicine and Biology, 2018, 63, 155010.	1.6	5
11	MRI-Based Post-Implant Dosimetry of Prostate Brachytherapy Seeds. Brachytherapy, 2018, 17, S73-S74.	0.2	1
12	Macroscopic and Microscopic Dose Enhancement Factor (def) for Tumor Diffusion with Gold Nanoparticles (gnps) Using Monte Carlo Simulations: 103 Pd, 125 I, and Electronic Brachytherapy (ebt) Sources. Brachytherapy, 2018, 17, S32-S33.	0.2	0
13	Dynamic-Direction Modulated Brachytherapy (d-dmbt) Tandem Applicator with 169-Yb HDR Source for Cervical Cancer Brachytherapy. Brachytherapy, 2018, 17, S67.	0.2	0
14	Direction modulated brachytherapy (<sc>DMBT</sc>) tandem applicator for cervical cancer treatment: Choosing the optimal shielding material. Medical Physics, 2018, 45, 3524-3533.	1.6	14
15	Polarity and ion recombination corrections in continuous and pulsed beams for ionization chambers with high Z chamber walls. Physica Medica, 2017, 35, 102-109.	0.4	4
16	Comparison of ¹⁹²Ir, ¹⁶⁹Yb, and ⁶⁰Co highâ€dose rate brachytherapy sources for skin cancer treatment. Medical Physics, 2017, 44, 4426-4436.	1.6	30
17	Direction modulated brachytherapy (DMBT) for treatment of cervical cancer: A planning study with ¹⁹²Ir, ⁶⁰Co, and ¹⁶⁹Yb HDR sources. Medical Physics, 2017, 44, 6538-6547.	1.6	29
18	Integrating Direction Modulated Brachytherapy (DMBT) Tandem Applicator into a Brachytherapy TPS. Brachytherapy, 2017, 16, S20.	0.2	0

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19	Sensitivity of clinically relevant dosimetric parameters to contouring uncertainty in postimplant dosimetry of low-dose-rate prostate permanent seed brachytherapy. <i>Brachytherapy</i> , 2016, 15, 774-779.	0.2	8
20	Direction Modulation Brachytherapy (DMBT) Tandem Generated Plan Quality with Ir-192, Co-60, and Yb-169 Sources for Cervical Cancer Treatment. <i>Brachytherapy</i> , 2016, 15, S106-S107.	0.2	1
21	The Feasibility of MR-Based Detection of Seeds in Presence of Calcifications for LDR Prostate Post-Implant Dosimetry Using Clinical Sequences. <i>Brachytherapy</i> , 2016, 15, S173-S174.	0.2	0
22	A Modified TG-43 Dose Calculation Formalism for Direction Modulation Brachytherapy (DMBT) Tandem Applicator. <i>Brachytherapy</i> , 2016, 15, S32-S33.	0.2	0
23	Quantitative MRI assessment of a novel direction modulated brachytherapy tandem applicator for cervical cancer at 1.5T. <i>Radiotherapy and Oncology</i> , 2016, 120, 500-506.	0.3	23
24	Direction Modulated Brachytherapy for Treatment of Cervical Cancer. II: Comparative Planning Study With Intracavitary and Intracavitary Interstitial Techniques. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 440-448.	0.4	35
25	Direction Modulated Brachytherapy (DMBT) Tandem Applicator: Evaluation of Various Shielding Materials for Use with Ir-192 Source for Cervical Cancer Treatment. <i>Brachytherapy</i> , 2016, 15, S91-S92.	0.2	2
26	Anode optimization for miniature electronic brachytherapy X-ray sources using Monte Carlo and computational fluid dynamic codes. <i>Journal of Advanced Research</i> , 2016, 7, 225-232.	4.4	2
27	SU-F-T-30: Comprehensive Dosimetric Characterization of the Novel Direction Modulation Brachytherapy (DMBT) Tandem Applicator Using Monte Carlo Simulations. <i>Medical Physics</i> , 2016, 43, 3468-3468.	1.6	1
28	SU-G-201-11: Exploring the Upper Limits of Dose Sculpting Capacity of the Novel Direction Modulated Brachytherapy (DMBT) Tandem Applicator. <i>Medical Physics</i> , 2016, 43, 3625-3625.	1.6	1
29	WE-DE-201-03: Combined Use of ¹⁹² Ir, ⁶⁰ Co, and ¹⁶⁹ Yb Sources with the Novel Direction Modulated Brachytherapy Tandem Applicator for High Dose Rate Brachytherapy Planning of Cervical Cancer. <i>Medical Physics</i> , 2016, 43, 3808-3809.	1.6	1
30	SU-F-J-157: Effect of Contouring Uncertainty in Post Implant Dosimetry of Low-Dose-Rate Prostate Permanent Seed Brachytherapy. <i>Medical Physics</i> , 2016, 43, 3443-3444.	1.6	0
31	SU-F-T-15: Evaluation of ¹⁹² Ir, ⁶⁰ Co and ¹⁶⁹ Yb Sources for High Dose Rate Prostate Brachytherapy Inverse Planning Using An Interior Point Constraint Generation Algorithm. <i>Medical Physics</i> , 2016, 43, 3464-3465.	1.6	0
32	SU-F-T-28: Evaluation of BEBIG HDR Co-60 After-Loading System for Skin Cancer Treatment Using Conical Surface Applicator. <i>Medical Physics</i> , 2016, 43, 3467-3468.	1.6	0
33	SU-F-I-19: MRI Positive Contrast Visualization of Prostate Brachytherapy Seeds Using An Integrated Laplacian-Based Phase Processing. <i>Medical Physics</i> , 2016, 43, 3391-3391.	1.6	0
34	SU-G-IeP1-09: MRI Evaluation of a Direction-Modulated Brachytherapy (DMBT) Tandem Applicator for Cervical Cancer On 3T. <i>Medical Physics</i> , 2016, 43, 3646-3646.	1.6	1
35	Optimum radiation source for radiation therapy of skin cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2015, 16, 219-227.	0.8	21
36	Influences of spherical phantom heterogeneities on dosimetric characteristics of miniature electronic brachytherapy X-ray sources: Monte Carlo study. <i>Applied Radiation and Isotopes</i> , 2015, 95, 108-113.	0.7	9

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37	SU-E-208: Comparison of MR Image Quality of Various Brachytherapy Applicators for Cervical Cancer. Medical Physics, 2015, 42, 3380-3380.	1.6	0
38	A Novel Algorithm Accounting for Inter-Seed Attenuation Effect in Brachytherapy Treatment Planning Systems by Monte Carlo and Artificial Neural Networks. Brachytherapy, 2014, 13, S27-S28.	0.2	0
39	An analytical model to determine interseed attenuation effect in low-dose-rate brachytherapy. Journal of Applied Clinical Medical Physics, 2013, 14, 150-163.	0.8	11
40	SU-E-T-525: Developing a GYN Cs-Selectron Brachytherapy Treatment Planning Software Accounting for Inter-Source, Applicator and Heterogeneity Effects. Medical Physics, 2013, 40, 326-326.	1.6	0
41	SU-E-T-527: A Fast Novel Analytical Model Accounting for Interseed Attenuation Effect in Low Energy Brachytherapy Sources. Medical Physics, 2013, 40, 327-327.	1.6	0
42	SU-E-T-539: Developing a Method for Dose Heterogeneity Corrections for Cs-137 Brachytherapy Sources. Medical Physics, 2013, 40, 329-329.	1.6	0
43	Characteristics of miniature electronic brachytherapy x-ray sources based on TG-43U1 formalism using Monte Carlo simulation techniques. Medical Physics, 2012, 39, 1971-1979.	1.6	16
44	Investigation of Tissue Heterogeneity on the TG-43 Parameters for a Typical Electronic Brachytherapy X-Ray Source, Using Monte Carlo Simulation Method. Brachytherapy, 2010, 9, S45.	0.2	1
45	Design of a Minature Electronic Brachytherapy X-Ray Source and Its TG-43 Dosimetric Parametrization Using Monte Carlo Simulation Technique. Brachytherapy, 2010, 9, S47.	0.2	1