BrachyGUI: an adjunct to an accelerated Monte Carlo pl patient-specific brachytherapy dose calculations and ar

Journal of Physics: Conference Series

102, 012018

DOI: 10.1088/1742-6596/102/1/012018

Citation Report

#	Article	IF	Citations
1	Patient-Specific Monte Carlo Dose Calculations for High-Dose-Rate Endorectal Brachytherapy With Shielded Intracavitary Applicator. International Journal of Radiation Oncology Biology Physics, 2008, 72, 1259-1266.	0.4	32
2	Monte Carlo study of LDR seed dosimetry with an application in a clinical brachytherapy breast implant. Medical Physics, 2009, 36, 1848-1858.	1.6	31
3	The evolution of brachytherapy treatment planning. Medical Physics, 2009, 36, 2136-2153.	1.6	157
4	A CTâ€based analytical dose calculation method for HDR brachytherapy. Medical Physics, 2009, 36, 3982-3994.	1.6	21
5	Development of a scatter correction technique and its application to HDR I192r multicatheter breast brachytherapy. Medical Physics, 2009, 36, 3703-3713.	1.6	26
6	Dosimetric accuracy of a deterministic radiation transport based brachytherapy treatment planning system. Part I: Single sources and bounded homogeneous geometries. Medical Physics, 2010, 37, 649-661.	1.6	58
7	Sensitivity of low energy brachytherapy Monte Carlo dose calculations to uncertainties in human tissue composition. Medical Physics, 2010, 37, 5188-5198.	1.6	77
8	Enhancements to commissioning techniques and quality assurance of brachytherapy treatment 2645-2658.	1.6	55
9	Patient-Specific Monte Carlo-Based Dose-Kernel Approach for Inverse Planning in Afterloading Brachytherapy. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1582-1589.	0.4	7
10	The difference of scoring dose to water or tissues in Monte Carlo dose calculations for low energy brachytherapy photon sources. Medical Physics, 2011, 38, 1526-1533.	1.6	39
11	Sub-second high dose rate brachytherapy Monte Carlo dose calculations with<tt>bGPUMCD</tt>. Medical Physics, 2012, 39, 4559-4567.	1.6	20
12	Influence of trace elements in human tissue in low-energy photon brachytherapy dosimetry. Physics in Medicine and Biology, 2012, 57, 3585-3596.	1.6	19
13	ALGEBRA: ALgorithm for the heterogeneous dosimetry based on GEANT4 for BRAchytherapy. Physics in Medicine and Biology, 2012, 57, 3273-3280.	1.6	58
14	Monte Carlo dosimetry of high dose rate gynecologic interstitial brachytherapy. Radiotherapy and Oncology, 2013, 109, 425-429.	0.3	9
15	Comparison of TG-43 and TG-186 in breast irradiation using a low energy electronic brachytherapy source. Medical Physics, 2014, 41, 061701.	1.6	29
16	The contribution from transit dose for192Ir HDR brachytherapy treatments. Physics in Medicine and Biology, 2014, 59, 1831-1844.	1.6	19
17	A review of the use and potential of the GATE Monte Carlo simulation code for radiation therapy and dosimetry applications. Medical Physics, 2014, 41, 064301.	1.6	332
18	Current state of the art brachytherapy treatment planning dosimetry algorithms. British Journal of Radiology, 2014, 87, 20140163.	1.0	48

#	Article	IF	Citations
19	BrachyGuide: a brachytherapyâ€dedicated DICOM RT viewer and interface to Monte Carlo simulation software. Journal of Applied Clinical Medical Physics, 2015, 16, 208-218.	0.8	20
20	Dose specification for¹⁹²Ir high dose rate brachytherapy in terms of dose-to-water-in-medium and dose-to-medium-in-medium. Physics in Medicine and Biology, 2015, 60, 4565-4579.	1.6	14
21	A comparison of the relative biological effectiveness of low energy electronic brachytherapy sources in breast tissue: a Monte Carlo study. Physics in Medicine and Biology, 2016, 61, 383-399.	1.6	20
22	RapidBrachyMCTPS: a Monte Carlo-based treatment planning system for brachytherapy applications. Physics in Medicine and Biology, 2018, 63, 175007.	1.6	26
23	MaxiCalc: A tool for online dosimetric evaluation of source-tracking based treatment verification in HDR brachytherapy. Physica Medica, 2022, 94, 58-64.	0.4	4