

Skin dose in longitudinal and transverse linacâ€MRTs u field models

Medical Physics

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Potential for an Enhanced Role for MRI in Radiation-Therapy Treatment Planning. Technology in Cancer Research and Treatment, 2013, 12, 429-446.	0.8	162
2	Prior data assisted compressed sensing: A novel MR imaging strategy for real time tracking of lung tumors. Medical Physics, 2014, 41, 082301.	1.6	18
3	MR guidance in radiotherapy. Physics in Medicine and Biology, 2014, 59, R349-R369.	1.6	175
4	Electron contamination modeling and reduction in a 1 T open bore inline MRI-linac system. Medical Physics, 2014, 41, 051708.	1.6	40
5	The Rotating Biplanar Linac-Magnetic Resonance Imaging System. Seminars in Radiation Oncology, 2014, 24, 200-202.	1.0	222
6	A 1.5 T transverse magnetic field in radiotherapy of rectal cancer: Impact on the dose distribution. Medical Physics, 2015, 42, 7182-7189.	1.6	23
7	Discontinuous finite element space-angle treatment of the first order linear Boltzmann transport equation with magnetic fields: Application to MRI-guided radiotherapy. Medical Physics, 2015, 43, 195-204.	1.6	14
8	Dose enhancement in radiotherapy of small lung tumors using inline magnetic fields: A Monte Carlo based planning study. Medical Physics, 2015, 43, 368-377.	1.6	30
9	Neural-network based autocontouring algorithm for intrafractional lung-tumor tracking using Linac-MR. Medical Physics, 2015, 42, 2296-2310.	1.6	37
10	A deterministic solution of the first order linear Boltzmann transport equation in the presence of external magnetic fields. Medical Physics, 2015, 42, 780-793.	1.6	24
11	Breast dosimetry in transverse and longitudinal field MRI-linac radiotherapy systems. Medical Physics, 2015, 42, 925-936.	1.6	11
12	Proton beam deflection in MRI fields: Implications for MRI-guided proton therapy. Medical Physics, 2015, 42, 2113-2124.	1.6	63
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14	Minimal skin dose increase in longitudinal rotating biplanar linac-MR systems: examination of radiation energy and flattening filter design. Physics in Medicine and Biology, 2016, 61, 3527-3539.	1.6	24
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17	Backscatter dose effects for high atomic number materials being irradiated in the presence of a magnetic field: A Monte Carlo study for the MRI linac. Medical Physics, 2016, 43, 4665-4673.	1.6	10
18	Experimental verification of EGSnrc Monte Carlo calculated depth doses within a realistic parallel magnetic field in a polystyrene phantom. Medical Physics, 2017, 44, 4804-4815.	1.6	10

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20	Effects of magnetic field orientation and strength on the treatment planning of nonsmall cell lung cancer. <i>Medical Physics</i> , 2017, 44, 6621-6631.	1.6	8
21	Modulation of lateral positions of Bragg peaks via magnetic fields inside cancer patients: Toward magnetic field modulated proton therapy. <i>Medical Physics</i> , 2017, 44, 5325-5338.	1.6	5
22	MR-guided radiation therapy: transformative technology and its role in the central nervous system. <i>Neuro-Oncology</i> , 2017, 19, ii16-ii29.	0.6	49
23	Spiraling contaminant electrons increase doses to surfaces outside the photon beam of an MRI-linac with a perpendicular magnetic field. <i>Physics in Medicine and Biology</i> , 2018, 63, 095001.	1.6	42
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25	Technical Note: EPID 's response to 6 Å MV photons in a strong, parallel magnetic field. <i>Medical Physics</i> , 2018, 46, 340-344.	1.6	1
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27	A formalism for reference dosimetry in photon beams in the presence of a magnetic field. <i>Physics in Medicine and Biology</i> , 2018, 63, 125008.	1.6	55
28	Technical Note: Experimental characterization of the dose deposition in parallel MRI-linacs at various magnetic field strengths. <i>Medical Physics</i> , 2019, 46, 5152-5158.	1.6	7
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31	Monte Carlo simulations of out-of-field skin dose due to spiralling contaminant electrons in a perpendicular magnetic field. <i>Medical Physics</i> , 2019, 46, 1467-1477.	1.6	14
32	Impact of inline magnetic fields on dose distributions for VMAT in lung tumor. <i>Physica Medica</i> , 2019, 59, 100-106.	0.4	4
33	Monte Carlo simulations of out-of-field surface doses due to the electron streaming effect in orthogonal magnetic fields. <i>Physics in Medicine and Biology</i> , 2019, 64, 115029.	1.6	27
34	Influence of a transverse magnetic field on the response of different detectors in a high energy photon beam near the surface. <i>Zeitschrift Fur Medizinische Physik</i> , 2019, 29, 22-30.	0.6	7
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38	Dosimetric Optimization and Commissioning of a High Field Inline MRI-Linac. Frontiers in Oncology, 2020, 10, 136.	1.3	11
39	Impact of magnetic fields on calculated AAPM TG-43 parameters for ¹⁹² Ir and ⁶⁰ Co HDR brachytherapy sources: A Monte Carlo study. Applied Radiation and Isotopes, 2020, 159, 109088.	0.7	2
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41	Magnetic modeling of actively shielded rotating MRI magnets in the presence of environmental steel. Physics in Medicine and Biology, 2021, 66, 045004.	1.6	1
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