A model for electron-beam applicator scatter

Medical Physics
22, 1419-1429
DOI: 10.1118/1.597415

Citation Report

#	Article	IF	Citations
1	Practical approach to electron beam dosimetry at extended SSD. Physics in Medicine and Biology, 1997, 42, 1505-1514.	1.6	24
2	Accurate characterization of Monte Carlo calculated electron beams for radiotherapy. Medical Physics, 1997, 24, 401-416.	1.6	129
3	Ionization profiles of conformed therapeutic electron beams. Nuclear Instruments & Methods in Physics Research B, 1997, 132, 326-330.	0.6	1
4	Super-Monte Carlo: A photon/electron dose calculation algorithm for radiotherapy. Radiation Physics and Chemistry, 1998, 53, 275-281.	1.4	4
5	The FE-lspd model for electron beam dosimetry. Physics in Medicine and Biology, 1998, 43, 291-311.	1.6	1
6	Calculation of depth dose and dose per monitor unit for irregularly shaped electron fields. Physics in Medicine and Biology, 1998, 43, 2741-2754.	1.6	39
7	Monte Carlo modelling of electron beams from medical accelerators. Physics in Medicine and Biology, 1999, 44, R157-R189.	1.6	148
8	Potential therapeutic misadministration due to inappropriate electron beam field shaping. Journal of Applied Clinical Medical Physics, 2000, 1, 95-99.	0.8	0
9	Electron spectra derived from depth dose distributions. Medical Physics, 2000, 27, 514-526.	1.6	37
10	A model to determine the initial phase space of a clinical electron beam from measured beam data. Physics in Medicine and Biology, 2001, 46, 269-286.	1.6	32
11	A two-source model for electron beams: Calculation of relative output factors. Medical Physics, 2001, 28, 1735-1745.	1.6	18
12	A Monte Carlo investigation of fluence profiles collimated by an electron specific MLC during beam delivery for modulated electron radiation therapy. Medical Physics, 2002, 29, 2472-2483.	1.6	17
13	Evaluation of the first commercial Monte Carlo dose calculation engine for electron beam treatment planning. Medical Physics, 2003, 31, 142-153.	1.6	81
14	Scattered radiation from applicators in clinical electron beams. Physics in Medicine and Biology, 2003, 48, 2493-2507.	1.6	26
15	A comparison of electron beam dose calculation accuracy between treatment planning systems using either a pencil beam or a Monte Carlo algorithm. International Journal of Radiation Oncology Biology Physics, 2005, 63, 622-633.	0.4	59
16	Effects on electron beam penumbra using the photon MLC to reduce bremsstrahlung leakage for an add-on electron MLC. Physics in Medicine and Biology, 2005, 50, 1191-1203.	1.6	16
17	A graphical user interface for an electron monitor unit calculator using a sector-integration algorithm and exponential curve-fitting method. Journal of Applied Clinical Medical Physics, 2006, 7, 52-64.	0.8	5
18	Monte Carlo treatment planning for photon and electron beams. Radiation Physics and Chemistry, 2007, 76, 643-686.	1.4	125

#	Article	IF	Citations
19	An enhanced sector integration model for output and dose distribution calculation of irregular concave shaped electron beams. Medical Physics, 2009, 36, 2966-2975.	1.6	2
20	Monte Carlo simulation and measurement of radiation leakage from applicators used in external electron radiotherapy. Physica Medica, 2013, 29, 388-396.	0.4	21
21	A source model for modulated electron radiation therapy using dynamic jaw movements. Medical Physics, 2013, 40, 051707.	1.6	3
22	Parameterization of electron beam output factor. Physica Medica, 2015, 31, 420-424.	0.4	4
23	Some computer graphical user interfaces in radiation therapy. World Journal of Radiology, 2016, 8, 255.	0.5	8
24	Radiation leakage dose from Elekta electron collimation system. Journal of Applied Clinical Medical Physics, 2016, 17, 157-176.	0.8	5
25	The impact of treatment parameter variation on secondary neutron spectra in high-energy electron beam radiotherapy. Physica Medica, 2020, 80, 125-133.	0.4	7
26	Clinical implementation of an electron monitor unit dosimetry system based on task group 71 report and a commercial calculation program. Journal of Medical Physics, 2016, 41, 214.	0.1	0