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Update of AAPM Task Group No. 43 Report: A revised AAPM protocol for brachytherapy dose calculations

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#	Paper	IF	Citations
1259	Dosimetric characteristics of the new RadioCoil 103Pd wire line source for use in permanent brachytherapy implants. <i>Medical Physics</i> , <b>2004</b> , 31, 3095-105	4.4	23
1258	Procedures for establishing and maintaining consistent air-kerma strength standards for low-energy, photon-emitting brachytherapy sources: recommendations of the Calibration Laboratory Accreditation Subcommittee of the American Association of Physicists in Medicine. <i>Medical Physics</i> , <b>2004</b> , 31, 675-81	4.4	32
1257	Erratum: Update of AAPM Task Group No. 43 Report: A revised AAPM protocol for brachytherapy dose calculations [Med. Phys. 31, 633-674 (2004)]. <i>Medical Physics</i> , <b>2004</b> , 31, 3532-3533	4.4	8
1256	On the development of consensus values of reference dosimetry parameters for interstitial brachytherapy sources. <i>Medical Physics</i> , <b>2004</b> , 31, 1040-5	4.4	4
1255	Near-field dosimetry of 125I sources for interstitial brachytherapy implants measured using thermoluminescent sheets. <i>Medical Physics</i> , <b>2004</b> , 31, 3406-16	4.4	4
1254	Brachytherapy dosimetry parameters calculated for a new 103Pd source. <i>Medical Physics</i> , <b>2004</b> , 31, 2466-70	4.4	16
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946	Dosimetric characteristics of the □□□r high-dose-rate afterloading brachytherapy source. <b>2011</b> , 29, 324-9		8
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943	Clinical trials of a urethral dose measurement system in brachytherapy using scintillation detectors. <b>2011</b> , 79, 609-15		41
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940	Quadrant dosimetry as a predictor of biochemical relapse in 125I prostate brachytherapy. <i>Brachytherapy</i> , <b>2011</b> , 10, 87-97	2.4	20
939	A 17-year retrospective study of institutional results for eye plaque brachytherapy of uveal melanoma using (125)I, (103)Pd, and (131)Cs and historical perspective. <i>Brachytherapy</i> , <b>2011</b> , 10, 331-9	2.4	35
938	Optimization of aluminum thickness for absorption of undesired Ti K X-rays in the measurement of low energy brachytherapy source strength. <b>2011</b> , 38, 632-636		1
937	Investigation of palladium-103 production and IR07-103Pd brachytherapy seed preparation. <b>2011</b> , 38, 2168-2173		8

936	Uncertainty analysis in MCNP5 calculations for brachytherapy treatment. <i>Applied Radiation and Isotopes</i> , <b>2011</b> , 69, 1108-11	1.7	2
935	Anisotropy characterization of I-125 seed with attached encapsulated cobalt chloride complex contrast agent markers for MRI-based prostate brachytherapy. <i>Medical Dosimetry</i> , <b>2011</b> , 36, 200-5	1.3	12
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932	Evaluation of Gafchromic EBT2 film for the measurement of anisotropy function for high-dose-rate ( <sup>192</sup> Ir) brachytherapy source with respect to thermoluminescent dosimetry. <b>2010</b> , 16, 14-20		7
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929	PROBABILISTIC NON-RIGID REGISTRATION OF PROSTATE IMAGES: MODELING AND QUANTIFYING UNCERTAINTY. <b>2011</b> , 2011, 553-556		11
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927	The difference of scoring dose to water or tissues in Monte Carlo dose calculations for low energy brachytherapy photon sources. <i>Medical Physics</i> , <b>2011</b> , 38, 1526-33	4.4	31
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922	Uncertainty analysis in X-ray spectra simulation: Effect of geometric tube features: (Anode angle and filter thickness). <b>2011</b> ,		
921	Radiochromic film dosimetry of HDR ( <sup>192</sup> Ir) source radiation fields. <i>Medical Physics</i> , <b>2011</b> , 38, 6074-83	4.4	43
920	High sensitive standard measurement to determine strength of an I-125 brachytherapy source. <b>2011</b> ,		1
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889	Practical steps for establishing ocular plaque therapy in developing countries. <i>Brachytherapy</i> , <b>2012</b> , 11, 230-6	2.4	5
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875	Establishment of Ge-doped optical fibres as thermoluminescence dosimeters for brachytherapy. <i>Applied Radiation and Isotopes</i> , <b>2012</b> , 70, 1158-61	1.7	26
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811	Effect of tissue inhomogeneities on dose distributions from Cf-252 brachytherapy source. <i>Applied Radiation and Isotopes</i> , <b>2013</b> , 71, 1-6	1.7	5

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597	Comparison of image-based three-dimensional treatment planning using Acuros <sup>TM</sup> BV and AAPM TG-43 algorithm for intracavitary brachytherapy of carcinoma cervix. <b>2016</b> , 15, 254-262	4
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455	Validating Fricke dosimetry for the measurement of absorbed dose to water for HDR Ir brachytherapy: a comparison between primary standards of the LCR, Brazil, and the NRC, Canada. <b>2018</b> , 63, 085004		5
454	Reduction of seed motion using a bio-absorbable polymer coating during permanent prostate brachytherapy using a mick applicator technique. <b>2018</b> , 19, 44-51		2
453	Determination of a beam quality conversion factor from 60Co to 192IrPeer review under responsibility of The Egyptian Society of Radiation Sciences and Applications.View all notes. <b>2018</b> , 11, 249-254		
452	Evolution of brachytherapy treatment planning to deterministic radiation transport for calculation of cardiac dose. <i>Medical Dosimetry</i> , <b>2018</b> , 43, 150-158	1.3	1
451	Three-Dimensional Conformal Dose Planning for Prostate Brachytherapy. <b>2018</b> , 24, 73-81		

450	Physics elements of an algorithm for brachytherapy dose calculation in homogeneous media for 192 Ir source. <i>Radiation Physics and Chemistry</i> , <b>2018</b> , 149, 90-103	2.5	0
449	Initial clinical assessment of "center-specific" automated treatment plans for low-dose-rate prostate brachytherapy. <i>Brachytherapy</i> , <b>2018</b> , 17, 476-488	2.4	3
448	A Monte Carlo investigation of the dose distribution for Co high dose rate brachytherapy source in water and in different media. <i>Applied Radiation and Isotopes</i> , <b>2018</b> , 136, 104-110	1.7	8
447	The influence of tissue composition uncertainty on dose distributions in brachytherapy. <b>2018</b> , 126, 394-410		12
446	BIOLOGICAL PLANNING OPTIMIZATION FOR HIGH-DOSE-RATE BRACHYTHERAPY AND ITS APPLICATION TO CERVICAL CANCER TREATMENT. <b>2018</b> , 259-284		
445	Impact of a commercially available model-based dose calculation algorithm on treatment planning of high-dose-rate brachytherapy in patients with cervical cancer. <b>2018</b> , 59, 198-206		8
444	Patient's specific integration of OAR doses (D2[ $\bar{t}$ ]) from EBRT and 3D image-guided brachytherapy for cervical cancer. <b>2018</b> , 19, 83-92		5
443	Treatment planning considerations for permanent breast seed implant. <i>Brachytherapy</i> , <b>2018</b> , 17, 456-464	4.4	4
442	On the use of a novel Ferrous Xylenol-orange gelatin dosimeter for HDR brachytherapy commissioning and quality assurance testing. <b>2018</b> , 45, 162-169		12
441	Dosimetric impact of dual-energy CT tissue segmentation for low-energy prostate brachytherapy: a Monte Carlo study. <b>2018</b> , 63, 025013		14
440	Determination of task group 43 dosimetric parameters for CSM40 Cs source for use in brachytherapy. <b>2018</b> , 11, 82-90		1
439	Initial clinical experience using a novel Pd-103 surface applicator for the treatment of retroperitoneal and abdominal wall malignancies. <i>Advances in Radiation Oncology</i> , <b>2018</b> , 3, 216-220	3.3	2
438	Monte Carlo dose calculation for HDR brachytherapy source using EGS5 code. <i>Radiation Physics and Chemistry</i> , <b>2018</b> , 150, 76-81	2.5	2
437	COMP report: CPQR technical quality control guidelines for low-dose-rate permanent seed brachytherapy. <b>2018</b> , 19, 13-18		
436	Oncentra brachytherapy planning system. <i>Medical Dosimetry</i> , <b>2018</b> , 43, 141-149	1.3	3
435	Demonstration of simulated annealing optimization for permanent breast seed implant treatment planning. <i>Brachytherapy</i> , <b>2018</b> , 17, 615-620	2.4	6
434	Appropriate timing for postimplant imaging in permanent breast seed implant: Results from a serial CT study. <i>Brachytherapy</i> , <b>2018</b> , 17, 609-614	2.4	6
433	Biological imaging for individualized therapy in radiation oncology: part I physical and technical aspects. <b>2018</b> , 14, 737-749		1

432	Semiconductor real-time quality assurance dosimetry in brachytherapy. <i>Brachytherapy</i> , <b>2018</b> , 17, 133-145.	4	11
431	NEW ULTRA-WIDE-FIELD ANGIOGRAPHIC GRADING SCHEME FOR RADIATION RETINOPATHY AFTER IODINE-125 BRACHYTHERAPY FOR UVEAL MELANOMA. <b>2018</b> , 38, 2415-2421		11
430	Reference conditions for ion-chamber based HDR brachytherapy dosimetry and for the calibration of high-resolution solid detectors. <b>2018</b> , 28, 293-302		1
429	Suitability of microDiamond detectors for the determination of absorbed dose to water around high-dose-rate Ir brachytherapy sources. <i>Medical Physics</i> , <b>2018</b> , 45, 429-437	4.4	6
428	Application and benchmarking of multi-objective evolutionary algorithms on high-dose-rate brachytherapy planning for prostate cancer treatment. <b>2018</b> , 40, 37-52		24
427	Experience of using MOSFET detectors for dose verification measurements in an end-to-end Ir brachytherapy quality assurance system. <i>Brachytherapy</i> , <b>2018</b> , 17, 227-233	2.4	4
426	Windowless extrapolation chamber measurement of surface dose rate from a <sup>90</sup> Sr/ <sup>90</sup> Y ophthalmic applicator. <b>2018</b> , 108, 34-40		6
425	Brachytherapy patient safety events in an academic radiation medicine program. <i>Brachytherapy</i> , <b>2018</b> , 17, 16-23	2.4	5
424	Evaluation of air cavities on dose distributions with air-filled apparatuses having different volumes using Gafchromic EBT3 films in brachytherapy. <b>2018</b> , 17, 411-416		
423	Relationship among different skin dose definitions in high-dose-rate (HDR) balloon breast brachytherapy. <b>2018</b> , 7, 335-343		
422	A practical approach to estimating optic disc dose and macula dose without treatment planning in ocular brachytherapy using I COMS plaques. <b>2018</b> , 13, 221		4
421	Re-evaluation of the correction factors for the GROVEX. <b>2018</b> , 55, 201-210		
420	MRI-based automated detection of implanted low dose rate (LDR) brachytherapy seeds using quantitative susceptibility mapping (QSM) and unsupervised machine learning (ML). <b>2018</b> , 129, 540-547		15
419	Impact of different Ir-192 source models on dose calculations in high-dose-rate brachytherapy. <b>2018</b> , 7, 23-26		1
418	Radiobiological doses, tumor, and treatment features influence on local control, enucleation rates, and survival after episcleral brachytherapy. A 20-year retrospective analysis from a single-institution: part I. <b>2018</b> , 10, 337-346		15
417	Effectiveness and safety of a robot-assisted 3D personalized template in I seed brachytherapy of thoracoabdominal tumors. <b>2018</b> , 10, 368-379		6
416	Reference kerma rate evaluation using Sievert integral for extended sources. <b>2018</b> ,		
415	Simulation of <sup>75</sup> Se Encapsulated Sources for Their Potential Use in Brachytherapy. <b>2018</b> , 73, 339-341		2

414	Investigation of a source model for a new electronic brachytherapy tandem by film measurement. <b>2018</b> , 19, 640-650		1
413	Verification of high-dose-rate brachytherapy treatment planning dose distribution using liquid-filled ionization chamber array. <b>2018</b> , 10, 142-154		4
412	Characterisation of radiological properties of a brachytherapy moulding material. <b>2018</b> , 41, 731-737		
411	Modeling of the direction modulated brachytherapy tandem applicator using the Oncentra Brachy advanced collapsed cone engine. <i>Brachytherapy</i> , <b>2018</b> , 17, 1030-1036	2.4	6
410	WITHDRAWN: Improvement of dose distribution in ocular brachytherapy with 125I seeds-20mm COMS plaque followed to loading of choroidal tumor by gold nanoparticles. <i>Radiation Physics and Chemistry</i> , <b>2018</b> ,	2.5	
409	A revised dosimetric characterization of Co BEBIG source: From single-source data to clinical dose distribution. <i>Brachytherapy</i> , <b>2018</b> , 17, 1011-1022	2.4	1
408	Dosimetric comparison of surface mould HDR brachytherapy with VMAT. <b>2018</b> , 65, 311-318		8
407	Determination of spatial dose distribution in UCC treatments with LDR brachytherapy using Monte Carlo methods. <i>Applied Radiation and Isotopes</i> , <b>2018</b> , 141, 224-227	1.7	1
406	Dosimetric characterization of a new directional low-dose rate brachytherapy source. <i>Medical Physics</i> , <b>2018</b> , 45, 3848	4.4	6
405	Inverse planning and inverse implanting for breast interstitial brachytherapy. Introducing a new anatomy specific breast interstitial template (ASBIT). <b>2018</b> , 128, 421-427		1
404	An investigation into the INTRABEAM miniature x-ray source dosimetry using ionization chamber and radiochromic film measurements. <i>Medical Physics</i> , <b>2018</b> , 45, 4274	4.4	21
403	A process to describe radiation damage at the molecular level. Application to the I seeds in water. <i>Applied Radiation and Isotopes</i> , <b>2018</b> , 140, 163-170	1.7	1
402	A single institution analysis of low-dose-rate brachytherapy: 5-year reported survival and late toxicity outcomes. <b>2018</b> , 10, 155-161		11
401	An in vitro verification of strength estimation for moving an 125I source during implantation in brachytherapy. <b>2018</b> , 59, 484-489		
400	Visual outcome after posterior uveal melanoma episcleral brachytherapy including radiobiological doses. <b>2018</b> , 10, 123-131		10
399	HDR brachytherapy in vivo source position verification using a 2D diode array: A Monte Carlo study. <b>2018</b> , 19, 163-172		5
398	Therapeutic effect of dental pulp stem cell transplantation on a rat model of radioactivity-induced esophageal injury. <b>2018</b> , 9, 738		14
397	Study on the dose modification factor of strut adjusted volume implant (SAVI) with a Yb source using MCNP4C. <b>2018</b> , 41, 445-450		

396	RapidBrachyMCTPS: a Monte Carlo-based treatment planning system for brachytherapy applications. <b>2018</b> , 63, 175007		16
395	GNP enhanced responses in microdosimetric spectra for <sup>192</sup> Ir source. <b>2018</b> , 118, 67-71		2
394	Design of the spacer for brachytherapy using Au grain for carcinoma of the tongue as a tool of perioperative oral management. <b>2018</b> , 62, 518-521		4
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392	Conjunctival Dehiscence and Scleral Necrosis following Iodine-125 Plaque Brachytherapy for Uveal Melanoma: A Report of 3 Cases. <b>2018</b> , 4, 291-296		2
391	Radiobiological parameters in a tumour control probability model for prostate cancer LDR brachytherapy. <b>2018</b> , 63, 135011		3
390	Dosimetric comparison between realistic ocular model and other models for COMS plaque brachytherapy with Pd, Cs, and I radioisotopes. <b>2018</b> , 57, 265-275		6
389	Does the apex optimization line matter for single-channel vaginal cylinder brachytherapy planning?. <b>2018</b> , 19, 307-312		1
388	Advanced Collapsed cone Engine dose calculations in tissue media for COMS eye plaques loaded with I-125 seeds. <i>Medical Physics</i> , <b>2018</b> , 45, 3349-3360	4.4	6
387	Dosimetric study of GZP6 Co high dose rate brachytherapy source. <b>2018</b> , 19, 313-318		1
386	Determining optimal eluter design by modeling physical dose enhancement in brachytherapy. <i>Medical Physics</i> , <b>2018</b> , 45, 3916	4.4	0
385	Dosimetric characterisation of the optically-stimulated luminescence dosimeter in cobalt-60 high dose rate brachytherapy system. <b>2018</b> , 41, 475-485		1
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383	Improvement of Sievert Integration Model in brachytherapy via inverse problems and Artificial Neural Networks. <i>Radiation Physics and Chemistry</i> , <b>2019</b> , 155, 260-264	2.5	
382	Prior non-irradiative focal therapies do not compromise the efficacy of delayed episcleral plaque brachytherapy in retinoblastoma. <b>2018</b> ,		2
381	Treatment planning considerations for I eye plaque brachytherapy. <b>2019</b> , 11, 280-284		3
380	Influence of dwell time homogeneity error weight parameter on treatment plan quality in inverse optimized high-dose-rate cervix brachytherapy using SagiPlan. <b>2019</b> , 11, 256-266		5
379	MONTE CARLO-BASED INVESTIGATION OF MICRODOSIMETRIC DISTRIBUTION OF HIGH ENERGY BRACHYTHERAPY SOURCES. <b>2019</b> , 187, 115-128		4



378	A new fast algorithm to achieve the dose uniformity around high dose rate brachytherapy stepping source using Tikhonov regularization. <b>2019</b> , 42, 757-769			1
377	Hybrid optimization based on non-coplanar needles for brachytherapy dose planning. <b>2019</b> , 11, 267-279			2
376	Fast automated multi-criteria planning for HDR brachytherapy explored for prostate cancer. <b>2019</b> , 64, 205002			11
375	Equivalence of silver and gold nanoparticles for dose enhancement in nanoparticle-aided brachytherapy. <b>2019</b> , 5, 055015			1
374	DIRA-3DB model-based iterative algorithm for accurate dual-energy dual-source 3D helical CT. <b>2019</b> , 5, 065005			1
373	Radiation-related Adverse Effects of CT-guided Implantation of I Seeds for Thoracic Recurrent and/or Metastatic Malignancy. <i>Scientific Reports</i> , <b>2019</b> , 9, 14803	4.9		5
372	Dose perturbation and inhomogeneity of multi-arrays of I seed-loaded stent for treatment of portal vein tumor thrombosis. <b>2019</b> , 66, 1-7			1
371	Validation of an ultrasound-guided prostate HDR brachytherapy dose delivery. <b>2019</b> , 1305, 012050			
370	Dosimetric and radiobiological investigation of permanent implant prostate brachytherapy based on Monte Carlo calculations. <i>Brachytherapy</i> , <b>2019</b> , 18, 875-882	2.4		0
369	Automated air kerma strength quality assurance of permanent seed implant prostate brachytherapy sources using vendor autoradiographs. <i>Brachytherapy</i> , <b>2019</b> , 18, 539-545	2.4		
368	The association of intraprostatic calcifications and dosimetry parameters with biochemical control after permanent prostate implant. <i>Brachytherapy</i> , <b>2019</b> , 18, 787-792	2.4		1
367	Inorganic scintillation detectors for Ir brachytherapy. <b>2019</b> , 64, 225018			9
366	A nomogram to determine required seed air kerma strength in planar Cesium permanent seed implant brachytherapy. <b>2019</b> , 11, 91-98			2
365	Experimental validation of a new COMS-like 24mm eye plaque for the treatment of large ocular melanoma tumors. <i>Brachytherapy</i> , <b>2019</b> , 18, 890-897	2.4		4
364	Comprehensive external audit for HDR brachytherapy systems [the national experience]. <b>2019</b> , 1248, 012045			
363	Delivered dose changes in COMS plaque-based ocular brachytherapy arising from vitrectomy with silicone oil replacement. <i>Brachytherapy</i> , <b>2019</b> , 18, 668-674	2.4		2
362	Fast and insightful bi-objective optimization for prostate cancer treatment planning with high-dose-rate brachytherapy. <b>2019</b> , 84, 105681			5
361	Systematic Review of Intensity-Modulated Brachytherapy (IMBT): Static and Dynamic Techniques. <b>2019</b> , 105, 206-221			13

360	Impact of Peer Review in the Radiation Treatment Planning Process: Experience of a Tertiary Care University Hospital in Pakistan. <b>2019</b> , 5, 1-7		1
359	Deployment and performance of model-based dose calculation algorithm in Ir shielded cylinder brachytherapy. <i>Brachytherapy</i> , <b>2019</b> , 18, 883-889	2.4	4
358	Correlation between real-time intraoperative and postoperative dosimetry and its implications on intraoperative planning. <i>Brachytherapy</i> , <b>2019</b> , 18, 338-347	2.4	1
357	Development and application of a simple method for calculating breast dose from radio-guided occult lesion localisation using iodine-125 seeds (ROLLIS). <b>2019</b> , 64, 075020		3
356	Image Guided Brachytherapy for Cancer of the Nasal Vestibule: Local Control and Cosmesis. <b>2019</b> , 103, 913-921		12
355	Deformable registration of x ray and MRI for postimplant dosimetry in low dose rate prostate brachytherapy. <i>Medical Physics</i> , <b>2019</b> , 46, 3961-3973	4.4	
354	GPU-accelerated bi-objective treatment planning for prostate high-dose-rate brachytherapy. <i>Medical Physics</i> , <b>2019</b> , 46, 3776-3787	4.4	10
353	A 3D-printed patient-specific applicator guide for use in high-dose-rate interstitial brachytherapy for tongue cancer: a phantom study. <b>2019</b> , 64, 135002		5
352	The American Brachytherapy Society consensus statement on intraoperative radiation therapy. <i>Brachytherapy</i> , <b>2019</b> , 18, 242-257	2.4	31
351	Post-implant analysis in permanent breast seed implant: automated plan reconstruction using simulated annealing. <b>2019</b> , 11, 61-68		4
350	Comparative study for CT-guided I seed implantation assisted by 3D printing coplanar and non-coplanar template in peripheral lung cancer. <b>2019</b> , 11, 169-173		21
349	A convex windowless extrapolation chamber to measure surface dose rate from Ru/ Rh episcleral plaques. <i>Medical Physics</i> , <b>2019</b> , 46, 2430-2443	4.4	4
348	Postoperative endometrial cancer treatments with electronic brachytherapy source. <b>2019</b> , 18, 16-20		3
347	Monte carlo study of organ doses and related risk for cancer in Tanzania from scattered photons in cervical radiation treatment involving Co-60 source. <b>2019</b> , 62, 13-19		2
346	A novel auto-positioning method in Iodine-125 seed brachytherapy driven by preoperative planning. <b>2019</b> , 20, 23-30		1
345	An extended dose-volume model in high dose-rate brachytherapy - Using mean-tail-dose to reduce tumor underdosage. <i>Medical Physics</i> , <b>2019</b> , 46, 2556-2566	4.4	6
344	Monte Carlo study of the relationship between skin dose and optically stimulated luminescence dosimeter dose in Pd-103 permanent breast seed implant brachytherapy. <i>Brachytherapy</i> , <b>2019</b> , 18, 387-394	2.4	
343	Sensitivity of dose-volume indices to computation settings in high-dose-rate prostate brachytherapy treatment plan evaluation. <b>2019</b> , 20, 66-74		7

342	Application of a directional palladium-103 brachytherapy device on a curved surface. <i>Medical Physics</i> , <b>2019</b> , 46, 1905-1913	4.4	
341	Evaluation of bi-objective treatment planning for high-dose-rate prostate brachytherapy-A retrospective observer study. <i>Brachytherapy</i> , <b>2019</b> , 18, 396-403	2.4	15
340	Optimization of a multipoint plastic scintillator dosimeter for high dose rate brachytherapy. <i>Medical Physics</i> , <b>2019</b> , 46, 2412-2421	4.4	16
339	Technical Note: Identification of an optimal electromagnetic sensor for in vivo electromagnetic-tracked scintillation dosimeter for HDR brachytherapy. <i>Medical Physics</i> , <b>2019</b> , 46, 2031-2036	4.4	4
338	Brachytherapy. <b>2019</b> , 107-121		
337	A mixed-integer linear programming optimization model framework for capturing expert planning style in low dose rate prostate brachytherapy. <b>2019</b> , 64, 075007		2
336	Dose calibration of Gafchromic EBT3 film for Ir-192 brachytherapy source using 3D-printed PLA and ABS plastics. <b>2019</b> , 5, 3		8
335	Modelling, Simulation and Dosimetry of 103-Pd Eye Plaque Brachytherapy. <b>2019</b> ,		
334	Reducing dysphagia with palliative 2D high-dose-rate brachytherapy improves survival in esophageal cancer. <b>2019</b> , 11, 534-540		
333	Measurements and Monte Carlo calculation of radial dose and anisotropy functions of BEBIG Co high-dose-rate brachytherapy source in a bounded water phantom. <b>2019</b> , 11, 563-572		2
332	An improved treatment planning and quality assurance process for Collaborative Ocular Melanoma Study eye plaque brachytherapy. <i>Brachytherapy</i> , <b>2019</b> , 18, 658-667	2.4	3
331	Characterization of an x-ray source with a partitioned diamond-tungsten target for electronic brachytherapy with 3D beam directionality. <b>2019</b> , 64, 245007		1
330	Dosimetry assessment of patient-specific 3D printable materials for HDR surface brachytherapy. <b>2019</b> , 67, 166-175		8
329	A novel quality assurance system for eye plaque brachytherapy. <b>2019</b> , 42, 1109-1115		0
328	Surface dose rate from a flat 106Ru/106Rh episcleral plaque measured with a planar windowless extrapolation chamber and un-laminated EBT3 film. <b>2019</b> , 121, 18-25		5
327	Subcutaneous spacer injection to reduce skin toxicity in breast brachytherapy: A pilot study on mastectomy specimens. <i>Brachytherapy</i> , <b>2019</b> , 18, 204-210	2.4	2
326	A Monte Carlo-based dosimetric characterization of Esteya , an electronic surface brachytherapy unit. <i>Medical Physics</i> , <b>2019</b> , 46, 356-369	4.4	3
325	A method for obtaining three-dimensional measurements of HDR brachytherapy dose distributions using Fricke gel dosimeters and optical computed tomography. <b>2019</b> , 42, 221-226		1

324	Dose distribution verification in high-dose-rate brachytherapy using a highly sensitive normoxic N-vinylpyrrolidone polymer gel dosimeter. <b>2019</b> , 57, 72-79		15
323	A comparison of the shielding effectiveness of silicone oil vitreous substitutes when used with Palladium-103 and Iodine-125 eye plaques. <i>Medical Physics</i> , <b>2019</b> , 46, 1006-1011	4-4	1
322	Monte Carlo and experimental high dose rate Ir brachytherapy dosimetry with microDiamond detectors. <b>2019</b> , 29, 272-281		5
321	Determination of the dose enhancement exclusively in tumor tissue due to the presence of GNPs. <i>Applied Radiation and Isotopes</i> , <b>2019</b> , 145, 39-46	1-7	2
320	Energy dependence of a radiophotoluminescent glass dosimeter for HDR Ir brachytherapy source. <i>Medical Physics</i> , <b>2019</b> , 46, 964-972	4-4	2
319	The American Brachytherapy Society consensus statement for electronic brachytherapy. <i>Brachytherapy</i> , <b>2019</b> , 18, 292-298	2-4	14
318	Evaluation of BrachyDose Monte Carlo code for HDR brachytherapy: dose comparison against Acuros <sup>®</sup> BV and TG-43 algorithms. <b>2020</b> , 19, 76-83		3
317	Technical Principles of Dual-Energy Cone Beam Computed Tomography and Clinical Applications for Radiation Therapy. <i>Advances in Radiation Oncology</i> , <b>2020</b> , 5, 1-16	3-3	7
316	Brachytherapy Future Directions. <b>2020</b> , 30, 94-106		9
315	Absorbed dose calorimetry. <b>2020</b> , 65, 05TR02		10
314	Investigation of a synthetic diamond detector response in kilovoltage photon beams. <i>Medical Physics</i> , <b>2020</b> , 47, 1268-1279	4-4	3
313	Dosimetric investigation of a new high dose rate Ir brachytherapy source, IRAsource, by Monte Carlo method. <b>2020</b> , 25, 139-145		0
312	AAPM recommendations on medical physics practices for ocular plaque brachytherapy: Report of task group 221. <i>Medical Physics</i> , <b>2020</b> , 47, e92-e124	4-4	15
311	On the use of the absorbed depth-dose measurements in the beam calibration of a surface electronic high-dose-rate brachytherapy unit, a Monte Carlo-based study. <i>Medical Physics</i> , <b>2020</b> , 47, 693-702	4-4	1
310	Biliary self-expandable metallic stent combined with Iodine-125 seeds strand in the treatment of hilar malignant biliary obstruction. <b>2020</b> , 48, 300060519887843		5
309	Interstitial High-Dose-Rate Gynecologic Brachytherapy: Clinical Workflow Experience From Three Academic Institutions. <b>2020</b> , 30, 29-38		2
308	Introduction - Advances in Brachytherapy. <b>2020</b> , 30, 1-3		
307	HDR Prostate Brachytherapy. <b>2020</b> , 30, 49-60		18

306	Use of Reduced Activity Seeds in Breast Radioactive Seed Localization. <b>2020</b> , 118, 438-442		2
305	Comprehensive methodology for commissioning modern 3D-image-based treatment planning systems for high dose rate gynaecological brachytherapy: A review. <b>2020</b> , 77, 21-29		2
304	Positional and angular tracking of HDR Ir source for brachytherapy quality assurance using radiochromic film dosimetry. <i>Medical Physics</i> , <b>2020</b> , 47, 6122-6139	4.4	2
303	A novel and fast methodology to calculate doses in LDR brachytherapy. <i>Applied Radiation and Isotopes</i> , <b>2020</b> , 166, 109394	1.7	
302	dosimetry in brachytherapy: Requirements and future directions for research, development, and clinical practice. <b>2020</b> , 16, 1-11		18
301	Report of AAPM Task Group 235 Radiochromic Film Dosimetry: An Update to TG-55. <i>Medical Physics</i> , <b>2020</b> , 47, 5986-6025	4.4	42
300	Monte Carlo dosimetric characterization of a new high dose rate Yb brachytherapy source and independent verification using a multipoint plastic scintillator detector. <i>Medical Physics</i> , <b>2020</b> , 47, 4563-4573	4.4	0
299	Update of the CLRP TG-43 parameter database for low-energy brachytherapy sources. <i>Medical Physics</i> , <b>2020</b> , 47, 4656-4669	4.4	7
298	An Inverse Dose Optimization Algorithm for Three-Dimensional Brachytherapy. <b>2020</b> , 10, 564580		1
297	The accuracy and safety of CT-guided iodine-125 seed implantation assisted by 3D non-coplanar template for retroperitoneal recurrent carcinoma. <b>2020</b> , 18, 307		3
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295	The Measurement of the Air-Kerma Rate in Air and a Solid Phantom with Ionization Chambers for a Ir HDR Brachytherapy Source. <b>2020</b> , 12, 10821-10828		
294	Methodology of dose calculation for external beam radiation combined with high dose rate brachytherapy in the era of 3-dimensional treatment planning system. <b>2020</b> , 99, e20760		
293	Plan optimization with L0-norm and group sparsity constraints for a new rotational, intensity-modulated brachytherapy for cervical cancer. <b>2020</b> , 15, e0236585		3
292	Evaluating the impact of real-time multicriteria optimizers integrated with interactive plan navigation tools for HDR brachytherapy. <i>Brachytherapy</i> , <b>2020</b> , 19, 607-617	2.4	1
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