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Comprehensive QA for radiation oncology: report of AAPM Radiation Therapy Committee Task Group 40

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#	Paper	IF	Citations
912	Analysis of daily beam output data for teletherapy machines.		
911	Control, correction, and modeling of setup errors and organ motion. 1995 , 5, 134-145		80
910	Quality assurance and safety of new technologies for radiation oncology. 1995 , 5, 156-165		6
909	Intraoperative electron beam radiation therapy: technique, dosimetry, and dose specification: report of task force 48 of the Radiation Therapy Committee, American Association of Physicists in Medicine. 1995 , 33, 725-46		63
908	A precision cranial immobilization system for conformal stereotactic fractionated radiation therapy. 1995 , 33, 1239-45		54
907	Calculation models for determining the absorbed dose in water phantoms in off-axis planes of rectangular fields of open and wedged photon beams. 1995 , 40, 511-27		39
906	Quality assurance in radiotherapy. European Society for Therapeutic Radiology and Oncology Advisory Report to the Commission of the European Union for the 'Europe Against Cancer Programme'. 1995 , 35, 61-73		110
905	TLD postal dose intercomparison for megavoltage units in Poland. 1995 , 36, 143-52		8
904	[Quality assurance in protontherapy: a systematic approach in progress at Orsay]. 1996 , 83 Suppl, 179s-84s		1
903	A quality assurance program for ancillary high technology devices on a dual-energy accelerator. 1996 , 38, 51-60		19
902	Intra- and interfractional reproducibility of tangential breast fields: a prospective on-line portal imaging study. 1996 , 34, 733-40		65
901	A simple method for verifying activity of iodine-125 seeds in rigid absorbable suture. 1996 , 21, 261-2		5
900	The use of diode dosimetry in quality improvement of patient care in radiation therapy. 1996 , 21, 235-41		13
899	Quantitative assessment of beam perturbations caused by silicon diodes used for in vivo dosimetry. 1996 , 36, 205-11		22
898	Treatment planning for primary breast cancer: a patterns of care study. 1996 , 36, 731-7		38
897	Anthropomorphic phantom measurements for the validation of a treatment planning system. 1996 , 41, 399-411		19
896	Dosimetric verification of open asymmetric photon fields calculated with a treatment planning system based on dose-to-energy-fluence concepts. 1996 , 41, 1277-90		13

895	The influence of angular misalignment on fixed-portal intensity modulated radiation therapy. <i>Medical Physics</i> , 1997 , 24, 1123-39	4.4	14
894	A philosophical approach to treatment machine maintenance and breakdown. 1997 , 70, 1274-9		1
893	Quality control aspects of the Philips multileaf collimator. 1997 , 45, 225-33		18
892	Analysis of accuracy in dose and position in calculations of a treatment planning system for blocked photon fields. 1997 , 45, 245-51		8
891	Quality assurance in conformal radiotherapy: DYNARAD consensus report on practice guidelines. 1997 , 45, 217-23		19
890	Determination of 3D dose distribution from intracavitary brachytherapy of cervical cancer by MRI of irradiated ferrous sulphate gel. 1997 , 43, 219-27		28
889	The value of setup portal films as an estimate of a patient's position throughout fractionated tangential breast irradiation: an on-line study. 1997 , 37, 223-8		11
888	Assessment of physics quality assurance in United States radiotherapy facilities and comparison with American College of Radiology Standard for Radiation Oncology Physics for External Beam Therapy. 1997 , 7, 157-162		1
887	The irradiation of blood and blood components to prevent graft-versus-host disease: technical issues and guidelines. 1997 , 11, 15-26		111
886	[A quality assurance program of simulators in radiation therapy. 2. Extent and results of long-term quality assurance test on a therapy simulator]. 1997 , 173, 693-9		2
885	Local temperature and pressure variations and its effects on daily ionometric measurements of radiation beam outputs from linear accelerators. 1997 , 22, 1-4		0
884	Characterization of the response of commercial diode detectors used for in vivo dosimetry. 1997 , 22, 31-7		29
883	Quality assurance system to correct for errors arising from couch rotation in linac-based stereotactic radiosurgery. 1997 , 38, 883-90		19
882	Spinal cord localization in the treatment of lung cancer: use of radiographic landmarks. 1998 , 40, 347-51		4
881	Impact of beam energy and field margin on penumbra at lung tumor-lung parenchyma interfaces. 1998 , 41, 707-13		36
880	Monte Carlo-based dose-rate tables for the Amersham CDCS.J and 3M model 6500 137Cs tubes. 1998 , 41, 959-70		23
879	Quality assurance of physical parameters in radiation oncology at the University Hospital of Basel—a retrospect. 1998 , 48, 83-8		3
878	A dosimetric intercomparison of kilovoltage X-rays, megavoltage photons and electrons in the Republic of Ireland. 1998 , 48, 95-101		27

877	Consistency in quality control programmes for electron accelerators in radiotherapy centres. 1998 , 48, 103-10		8
876	The effect of independent collimator misalignment on the dosimetry of abutted half-beam blocked fields for the treatment of head and neck cancer. 1998 , 49, 273-8		35
875	American Association of Physicists in Medicine Radiation Therapy Committee Task Group 53: quality assurance for clinical radiotherapy treatment planning. <i>Medical Physics</i> , 1998 , 25, 1773-829	4.4	604
874	A simple test device for electrometers. 1998 , 43, 2385-91		4
873	Application of a video-optical beam imaging system for quality assurance of medical accelerators. 1998 , 43, 3649-59		12
872	Quality control of dose volume histogram computation characteristics of 3D treatment planning systems. 1998 , 43, 2807-16		15
871	Photon dose calculations in homogeneous media for a treatment planning system using a collapsed cone superposition convolution algorithm. 1998 , 43, 1813-22		27
870	Computer-aided radiation therapy simulation: image intensifier spatial distortion correction for large field of view digital fluoroscopy. 1998 , 43, 2265-78		18
869	The use of improved radiochromic film for in vivo quality assurance of high dose rate brachytherapy. <i>Medical Physics</i> , 1998 , 25, 1217-21	4.4	15
868	Evaluation of a new sealed reentrant well chamber for HDR and LDR brachytherapy calibrations. <i>Medical Physics</i> , 1998 , 25, 719-21	4.4	6
867	Dosimetric verification of the 95% isodose surface for a conformal irradiation technique. <i>Medical Physics</i> , 1998 , 25, 424-34	4.4	5
866	An image registration scheme applied to verification of radiation therapy. 1998 , 71, 413-26		22
865	The influence of the magnetron frequency, the servo settings and the gantry angle on the flatness and the dose calibration of a linear accelerator. 1998 , 22, 185-8		1
864	Assessment of the strength of individual ¹⁹² Ir seeds in ribbons. <i>Medical Physics</i> , 1999 , 26, 2471-5	4.4	2
863	Essentials of radiation oncology chart design. 1999 , 24, 39-41		3
862	¹⁰³ Pd loaded cartridge air kerma strength verification. 1999 , 24, 73-5		4
861	In vivo dosimetry during external photon beam radiotherapy. 1999 , 43, 245-59		181
860	Image registration of BANG gel dose maps for quantitative dosimetry verification. 1999 , 43, 1135-41		51

859	Quality control in health care: an experiment in radiotherapy planning for breast cancer patients after mastectomy. 1999 , 44, 827-33		14
858	Comparisons of a proposed five-seed assay method with the single-seed and batch assay methods for I-125 seeds in ultrasound-guided prostate implants. 1999 , 7, 374-81		8
857	Intravascular brachytherapy physics: report of the AAPM Radiation Therapy Committee Task Group no. 60. American Association of Physicists in Medicine. <i>Medical Physics</i> , 1999 , 26, 119-52	4.4	228
856	Permanent prostate seed implant brachytherapy: report of the American Association of Physicists in Medicine Task Group No. 64. <i>Medical Physics</i> , 1999 , 26, 2054-76	4.4	245
855	AAPM's TG-51 protocol for clinical reference dosimetry of high-energy photon and electron beams. <i>Medical Physics</i> , 1999 , 26, 1847-70	4.4	1065
854	Patterns of radiotherapy for early breast cancer in Northern Italy compared with European and national standards. 1999 , 51, 79-85		9
853	From technical quality assurance of radiotherapy to a comprehensive quality of service management system. 1999 , 51, 281-90		11
852	Dosimetric evaluation of a commercial 3-D treatment planning system using Report 55 by AAPM Task Group 23. 1999 , 52, 69-77		13
851	Guide to clinical use of electronic portal imaging. 2000 , 1, 38-57		25
850	Cesium-137 source strength verification. 2000 , 25, 33-5		
849	An independent dose-to-point calculation program for the verification of high-dose-rate brachytherapy treatment planning. 2000 , 48, 1251-8		16
848	Decreasing the dosimetric effects of misalignment when using a mono-isocentric technique for irradiation of head and neck cancer. 2000 , 48, 1623-34		18
847	Relative profile and dose verification of intensity-modulated radiation therapy. 2000 , 47, 231-40		69
846	Dosimetric assessment of nonperfectly abutted fields using asymmetric collimators. 2000 , 25, 23-6		8
845	Independent corroboration of monitor unit calculations performed by a 3D computerized planning system. 2000 , 1, 120-5		9
844	Use of a radioactive check device for redundancy check of ionization chambers. 2000 , 1, 148-52		1
843	Evaluation of an innovative plastic cube phantom designed to improve the efficiency of accelerator QA. 2000 , 1, 153-7		2
842	Design of a heterogeneous thorax phantom for remote verification of three-dimensional conformal radiotherapy.		2

841 Monitor unit calculation for intensity modulated photon field.

840 Quality management of medical physics issues at the German heavy ion therapy project. *Medical Physics*, **2000**, 27, 725-36 4.4 28

839 A method to check the accuracy of dose computation using quality index: application to scatter contribution in high energy photon beams. *Medical Physics*, **2000**, 27, 1018-24 4.4 5

838 Toward a statistically relevant calibration end point for prostate seed implants. *Medical Physics*, **2000**, 27, 144-50 4.4 7

837 Detecting electron beam energy shifts with a commercially available energy monitor. *Medical Physics*, **2000**, 27, 1661-3 4.4 6

836 Monitor unit settings for intensity modulated beams delivered using a step-and-shoot approach. *Medical Physics*, **2000**, 27, 2719-25 4.4 59

835 Computer verification of fluence map for intensity modulated radiation therapy. *Medical Physics*, **2000**, 27, 2084-92 4.4 36

834 Monitor unit calculation for an intensity modulated photon field by a simple scatter-summation algorithm. **2000**, 45, N1-7 59

833 Quality assurance by systematic in vivo dosimetry: results on a large cohort of patients. **2000**, 56, 85-95 40

832 A survey of radiotherapy quality control practice in the United Kingdom for the START trial. **2001**, 60, 311-8 12

831 [Physical and methodological aspects of multimodality imaging and principles of treatment planning in 3D conformal radiotherapy]. **2001**, 5, 496-514 5

830 Prevention of transfusion-associated graft-versus-host disease by inactivation of T cells in platelet components. **2001**, 38, 34-45 24

829 Análises de protocolos de braquiterapia, por alta taxa de dose, do controle de qualidade de alguns serviços locais, baseados no TG40, TG56 e ARCAL XXX. **2001**, 34, 225-232 1

828 Comment on "Independent corroboration of monitor unit calculations performed by a 3D computerized planning system" [*J. Appl. Clin. Med. Phys.* 1, 120-125 (2000)]. **2001**, 2, 102-4

827 A simple method for electron energy constancy measurement. **2001**, 2, 51-3 3

826 A self-correcting method for improving the precision of beam blocks. **2001**, 2, 106-13 2

825 Technical innovation to calibrate the gantry angle indicators of linear accelerators. **2001**, 2, 54-8 5

824 Recomendações para se evitar grandes erros de dose em tratamentos radioterapêuticos. **2001**, 34, 29-37 1

823	Impact of surgical and pathologic variables in rectal cancer: a United States community and cooperative group report. 2001 , 19, 3895-902		168
822	In vivo dosimetry using a single diode for megavoltage photon beam radiotherapy: implementation and response characterization. 2001 , 2, 210-8		9
821	Requirements for radiation oncology physics in Australia and New Zealand. 2001 , 24, 1-18		13
820	Intensity-modulated radiotherapy: current status and issues of interest. 2001 , 51, 880-914		642
819	Implementation of a blood irradiation program at a community cancer center. 2001 , 41, 1610-6		11
818	Commissioning of Peacock System for intensity-modulated radiation therapy. 2001 , 26, 55-64		9
817	Quality assurance procedures for the Peacock system. 2001 , 26, 83-90		12
816	Commissioning and quality assurance for MLC-based IMRT. 2001 , 26, 125-33		23
815	Independent dose calculations for the corvus MLC IMRT. 2001 , 26, 135-41		9
814	Technical note: a transparent template system for positioning independent radiation-therapy shielding blocks. 2001 , 26, 261-6		
813	Independent dose calculations for the PEACOCK System. 2001 , 26, 29-35		11
812	Immobilization devices for intensity-modulated radiation therapy (IMRT). 2001 , 26, 71-7		26
811	Dosimetric validation for multileaf collimator-based intensity-modulated radiotherapy: a review. 2001 , 26, 179-88		38
810	Quality assurance in radiotherapy of breast cancer--variability in planning target volume delineation. 2001 , 40, 50-5		54
809	Point dose calculations using an analytical pencil beam kernel for IMRT plan checking. 2001 , 46, 1031-8		19
808	Fluoroscopic study of tumor motion due to breathing: facilitating precise radiation therapy for lung cancer patients. <i>Medical Physics</i> , 2001 , 28, 1850-6	4.4	139
807	Experimental investigation of dose calibrator response for ¹²⁵ I brachytherapy solutions contained in 5 mL plastic syringes and 2 mL conical glass v-vials as a function of filling mass. <i>Medical Physics</i> , 2002 , 29, 1547-55	4.4	9
806	Analysis of mechanical sources of patient alignment errors in radiation therapy. <i>Medical Physics</i> , 2002 , 29, 2698-704	4.4	6

805	Independent monitor unit calculation for intensity modulated radiotherapy using the MIMiC multileaf collimator. <i>Medical Physics</i> , 2002 , 29, 2041-51	4.4	40
804	A personal-computer-based method to obtain "star-shots" of mechanical and optical isocenters for gantry rotation of linear accelerators. <i>Medical Physics</i> , 2002 , 29, 2753-5	4.4	10
803	Checking monitor unit calculations using coordinate transformations to calculate off-axis distances in the collimator frame of reference. <i>Medical Physics</i> , 2002 , 29, 2763-6	4.4	
802	Dosimetric accuracy of the ITP inverse treatment planning system. <i>Medical Physics</i> , 2002 , 29, 2484-8	4.4	8
801	Abutment region dosimetry for the monoisocentric three-beam split field technique in the head and neck region using asymmetrical collimators. 2002 , 75, 428-34		8
800	Direct calibration of a reference standard against the air kerma strength primary standard, at 192Ir HDR energy. 2002 , 47, 1047-58		6
799	Operator-free, film-based 3D seed reconstruction in brachytherapy. 2002 , 47, 2031-48		43
798	Absorbed dose calculations in a brachytherapy pelvic phantom using the Monte Carlo method. 2002 , 3, 285-92		3
797	Quality control of brachytherapy equipment in the Netherlands and Belgium: current practice and minimum requirements. 2002 , 62, 95-102		10
796	An anthropomorphic phantom for quality assurance and training in gynaecological brachytherapy. 2002 , 63, 75-81		17
795	Recommendations for implementation of high dose rate 192Ir brachytherapy in developing countries by the Advisory Group of International Atomic Energy Agency. 2002 , 64, 297-308		23
794	[Quality control of equipment used for radiotherapy]. 2002 , 6 Suppl 1, 171s-179s		
793	A new geometric and mechanical verification device for medical LINACs. 2002 , 3, 154-61		6
792	ANÁLISES DE PROTOCOLOS TELETERAPÉUTICOS DE CONTROLE DE QUALIDADE DE ALGUNS SERVIÇOS LOCAIS, BASEADOS NO TG40 E ARCAL XXX. 2002 , 35, 31-40		1
791	Calibration of a liquid I-125 source in a syringe. 2002 , 3, 218-20		2
790	Clinical implementation of intensity-modulated radiation therapy. 2002 , 27, 161-9		9
789	Dosimetric intercomparison for two Australasian clinical trials using an anthropomorphic phantom. 2002 , 52, 566-79		35
788	Risk analysis of Leksell Gamma Knife Model C with automatic positioning system. 2002 , 52, 869-77		20

787	Evaluation of the veridose in vivo dosimetry system. 2002 , 27, 29-36		2
786	PET-guided IMRT for cervical carcinoma with positive para-aortic lymph nodes-a dose-escalation treatment planning study. 2003 , 55, 28-35		94
785	Evaluation of rapid dose map acquisition of a scanning liquid-filled ionization chamber electronic portal imaging device. 2003 , 55, 1432-45		21
784	Dose-volume analysis of radiotherapy for T1N0 invasive breast cancer treated by local excision and partial breast irradiation by low-dose-rate interstitial implant. 2003 , 56, 671-80		99
783	In vivo alanine/EPR dosimetry in daily clinical practice: a feasibility study. 2003 , 56, 899-905		39
782	Entrance dose measurement: a simple and reliable technique. 2003 , 28, 73-8		7
781	Independent calculations to validate monitor units from ADAC treatment planning system. 2003 , 28, 79-83		9
780	Visual verification of linac light and radiation fields coincidence. 2003 , 28, 91-3		9
779	Evaluation of the veridose QC phantom. 2003 , 28, 49-54		1
778	Alternative effective modality of Leipzig applicator with an electron beam for the treatment of superficial malignancies. 2003 , 508, 460-466		9
777	Optimal clinical implementation of the Siemens virtual wedge. 2003 , 28, 149-54		4
776	Clinical physics, applicator choice, technique, and equipment for electron intraoperative radiation therapy. 2003 , 12, 899-924		8
775	Clinical helical tomotherapy commissioning dosimetry. <i>Medical Physics</i> , 2003 , 30, 3097-106	4.4	68
774	Guidance document on delivery, treatment planning, and clinical implementation of IMRT: report of the IMRT Subcommittee of the AAPM Radiation Therapy Committee. <i>Medical Physics</i> , 2003 , 30, 2089-1154	4.4	576
773	A CT calibration method based on the polybinary tissue model for radiotherapy treatment planning. 2003 , 48, 1053-64		92
772	[Quality assurance program for intensity-modulated radiotherapy (IMRT) treatments of head and neck carcinomas]. 2003 , 7, 172-8		5
771	Independent dosimetric calculation with inclusion of head scatter and MLC transmission for IMRT. <i>Medical Physics</i> , 2003 , 30, 2937-47	4.4	51
770	Determination of the 4 mm Gamma Knife helmet relative output factor using a variety of detectors. <i>Medical Physics</i> , 2003 , 30, 986-92	4.4	35

769	A 2-D diode array and analysis software for verification of intensity modulated radiation therapy delivery. <i>Medical Physics</i> , 2003 , 30, 870-9	4-4	213
768	A dose delivery verification method for conventional and intensity-modulated radiation therapy using measured field fluence distributions. <i>Medical Physics</i> , 2003 , 30, 2996-3005	4-4	47
767	Comparison of p-type commercial electron diodes for in vivo dosimetry. <i>Medical Physics</i> , 2004 , 31, 50-6	4-4	31
766	Review of the energy check of an electron-only linear accelerator over a 6 year period: sensitivity of the technique to energy shift. <i>Medical Physics</i> , 2003 , 30, 635-9	4-4	3
765	The design of a new insert for calibration of LDR and HDR 192Ir sources in a well-type ionization chamber. <i>Medical Physics</i> , 2003 , 30, 1566-8	4-4	3
764	Two-dimensional measurement of photon beam attenuation by the treatment couch and immobilization devices using an electronic portal imaging device. <i>Medical Physics</i> , 2003 , 30, 2981-7	4-4	47
763	Quality assurance for computed-tomography simulators and the computed-tomography-simulation process: report of the AAPM Radiation Therapy Committee Task Group No. 66. <i>Medical Physics</i> , 2003 , 30, 2762-92	4-4	205
762	Use of the Leksell Gamma Knife for localized small field lens irradiation in rodents. 2003 , 2, 449-54		30
761	Development of a RadFET linear array for intracavitary in vivo dosimetry in external beam radiotherapy and brachytherapy. 2003 ,		1
760	Monitor unit calculations for range-modulated spread-out Bragg peak fields. 2003 , 48, 2797-808		59
759	Introducing a system for automated control of rotation axes, collimator and laser adjustment for a medical linear accelerator. 2003 , 48, 1123-32		34
758	Utilizing an electronic portal imaging device to monitor light and radiation field congruence. 2003 , 4, 315-20		11
757	Electron energy constancy verification using a double-wedge phantom. 2003 , 4, 204-8		4
756	Reduction of downtime and improvement of the utility of a conventional radiotherapy simulator. 2003 , 4, 334-40		1
755	Using the frame averaging of aS500 EPID for IMRT verification. 2003 , 4, 287-99		25
754	A seed specific dose kernel method for low-energy brachytherapy dosimetry. 2003 , 4, 66-74		2
753	Quality assurance devices for dynamic conformal radiotherapy. 2004 , 5, 8-15		4
752	[Study of optimal imaging parameters for digitally reconstructed radiographs (DRR) in radiotherapy treatment planning using single-slice helical CT]. 2004 , 60, 528-36		2

751	An automated procedure for the quality assurance of electron beam output and energy. <i>Medical Physics</i> , 2004 , 31, 972-4	4.4	1
750	Contrast effects on dosimetry of a partial breast irradiation system. <i>Medical Physics</i> , 2004 , 31, 1976-9	4.4	37
749	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> , 2004 , 31, 675-81	4.4	32
748	An algorithm for independent verification of Gamma Knife treatment plans. <i>Medical Physics</i> , 2004 , 31, 2780-4	4.4	8
747	The current NRC definitions of therapy misadministration are vague, do not reflect the norms of clinical practice, and should be rewritten. For the proposition. <i>Medical Physics</i> , 2004 , 31, 691-3	4.4	3
746	A block design for split-field tests of accelerator alignment. <i>Medical Physics</i> , 2004 , 31, 2331-4	4.4	5
745	A procedure to determine the radiation isocenter size in a linear accelerator. <i>Medical Physics</i> , 2004 , 31, 1489-93	4.4	46
744	REFERENCES. 2004 , 4, 165-175		
743	Quality assurance of patient dosimetry in boron neutron capture therapy. 2004 , 43, 404-11		8
742	Experiencia clílica y protocolo de actuación en el tratamiento de neoplasias pulmonares mediante radiocirugía estereotáctica extracraneal (Stereotactic Body Frame®). 2004 , 6, 532-537		
741	A dynamic supraclavicular field-matching technique for head-and-neck cancer patients treated with IMRT. 2004 , 60, 959-72		25
740	Ionization chamber-based reference dosimetry of intensity modulated radiation beams. <i>Medical Physics</i> , 2004 , 31, 2454-65	4.4	86
739	Development of a RadFET linear array for intracavitary in vivo dosimetry during external beam radiotherapy and brachytherapy. 2004 , 51, 1420-1426		34
738	The Ethics of Disclosure -Perspectives of Radiation Therapists and Patients Regarding Disclosure of Radiation Therapy Errors. 2004 , 35, 10-17		
737	A simple method of independent treatment time verification in gamma knife radiosurgery using integral dose. <i>Medical Physics</i> , 2004 , 31, 3337-44	4.4	4
736	Update of AAPM Task Group No. 43 Report: A revised AAPM protocol for brachytherapy dose calculations. <i>Medical Physics</i> , 2004 , 31, 633-74	4.4	1158
735	High conformality radiotherapy in Europe: thirty-one centres participating in the quality assurance programme of the EORTC prostate trial 22991. 2004 , 40, 2411-6		10
734	Quality assurance of a helical tomotherapy machine. 2004 , 49, 2933-53		93

733	Feasibility study of entrance in vivo dose measurements with mailed thermoluminescence detectors. 2004 , 73, 89-96		8
732	AAPM Task Group 103 report on peer review in clinical radiation oncology physics. 2005 , 6, 50-64		21
731	A technical evaluation of the Nucletron FIRST system: conformance of a remote afterloading brachytherapy seed implantation system to manufacturer specifications and AAPM Task Group report recommendations. 2005 , 6, 22-50		16
730	Quality assurance: fundamental reproducibility tests for 3-D treatment-planning systems. 2005 , 6, 13-22		2
729	Use of alanine for dosimetry intercomparisons among Italian radiotherapy centers. 2005 , 62, 261-5		22
728	Chapters 4-7. 2005 , 35, 11-27		
727	Evaluation of the depth-ratio and backscattering-factor methods in quality control measurements of electron beam energies. 2005 , 63, 217-22		2
726	Chapters 8 and 9, Annex A and references. 2005 , 35, 29-51		
725	Practical issues in treating heavy patients on a LINAC treatment couch. 2005 , 6, 135-42		2
724	Energy and angular anisotropy optimisation of a p-type diode for in vivo dosimetry in photon-beam radiotherapy. 2005 , 116, 152-9		3
723	Review of monoisocentric split-field technique for conventional and IMRT treatment in head and neck cancers: technical limitations and approaches for optimization. 2005 , 4, 107-13		6
722	Real-time verification of HDR brachytherapy source location: implementation of detector redundancy. 2005 , 50, 319-27		21
721	Dosimetric evaluation of the Fletcher-Williamson ovoid for pulsed-dose-rate brachytherapy: a Monte Carlo study. 2005 , 50, 5075-87		11
720	Technique for routine output verification of Leipzig applicators with a well chamber. <i>Medical Physics</i> , 2006 , 33, 16-20	4.4	17
719	A technique for on-board CT reconstruction using both kilovoltage and megavoltage beam projections for 3D treatment verification. <i>Medical Physics</i> , 2005 , 32, 2819-26	4.4	46
718	The effect of ambient pressure on well chamber response: experimental results with empirical correction factors. <i>Medical Physics</i> , 2005 , 32, 700-9	4.4	17
717	Evaluation of a diode array for QA measurements on a helical tomotherapy unit. <i>Medical Physics</i> , 2005 , 32, 3424-30	4.4	19
716	Near-real-time radiotherapy dosimetry using optically stimulated luminescence of Al ₂ O ₃ :C: mathematical models and preliminary results. <i>Medical Physics</i> , 2005 , 32, 1094-102	4.4	29

715	Stability of a mobile electron linear accelerator system for intraoperative radiation therapy. <i>Medical Physics</i> , 2005 , 32, 3128-31	4.4	12
714	The effect of ambient pressure on well chamber response: Monte Carlo calculated results for the HDR 1000 plus. <i>Medical Physics</i> , 2005 , 32, 1103-14	4.4	14
713	A dosimetric intercomparison of brachytherapy facilities in Ireland, Scotland and the North of England. 2005 , 74, 149-56		15
712	Quality assurance in radiotherapy: evaluation of errors and incidents recorded over a 10 year period. 2005 , 74, 283-91		107
711	Reliability of portal control procedure in irradiation of breast cancer: a Bayesian analysis. 2005 , 75, 28-33		3
710	Intracranial stereotactic positioning systems: Report of the American Association of Physicists in Medicine Radiation Therapy Committee Task Group no. 68. <i>Medical Physics</i> , 2005 , 32, 2380-98	4.4	79
709	The stability of mechanical calibration for a kV cone beam computed tomography system integrated with linear accelerator. <i>Medical Physics</i> , 2006 , 33, 136-44	4.4	118
708	Characterization of a 2D ion chamber array for the verification of radiotherapy treatments. 2005 , 50, 3361-73		155
707	Statistical process control for radiotherapy quality assurance. <i>Medical Physics</i> , 2005 , 32, 2777-86	4.4	95
706	A pulse-rate dependence of dose per monitor unit and its significant effect on wedged-shaped fields delivered with variable dose rate and a moving jaw. <i>Medical Physics</i> , 2006 , 33, 3063-5	4.4	3
705	Quality Assurance in Radiation Oncology. 2006 , 395-422		0
704	Clinical implementation of MOSFET detectors for dosimetry in electron beams. 2006 , 80, 288-95		23
703	A separated primary and scatter model for independent dose calculation of intensity modulated radiotherapy. 2006 , 80, 385-90		7
702	Intensity-modulated radiation therapy and image-guided radiation therapy: small clinic implementation. 2006 , 20, 63-86		11
701	The management of respiratory motion in radiation oncology report of AAPM Task Group 76. <i>Medical Physics</i> , 2006 , 33, 3874-900	4.4	1455
700	Physics and Clinical Aspects of Brachytherapy. 2006 , 255-290		2
699	Evaluation of an automated seed loader for seed calibration in prostate brachytherapy. 2006 , 7, 115-25		1
698	Dosimetric characteristics of a new linear accelerator under gated operation. 2006 , 7, 65-76		6

697	Performance evaluation and quality assurance of Varian enhanced dynamic wedges. 2006 , 7, 14-20		3
696	Computed Tomography Simulator. 2006 ,		1
695	Are Quality Indicators for Radiotherapy Useful in the Evaluation of Service Efficacy in a New Based Radiotherapy Institution?. 2006 , 92, 496-502		12
694	Radiotherapy, Intraoperative. 2006 ,		
693	Radiotherapy, Three-Dimensional Conformal. 2006 ,		
692	Radiation Dosimetry, Three-Dimensional. 2006 ,		1
691	Verifying monitor unit calculations for tangential breast fields. 2006 , 7, 50-7		5
690	Radiation Therapy, Quality Assurance in. 2006 ,		
689	Dose modification factors for ¹⁹² Ir high-dose-rate irradiation using Monte Carlo simulation. 2006 , 7, 28-34		12
688	Quality assurance of I-125 seeds for prostate brachytherapy using an imaging plate. 2006 , 66, 603-9		10
687	Biological dose calculation with Monte Carlo physics simulation for heavy-ion radiotherapy. 2006 , 51, N467-75		36
686	The influence of output measurement time interval and tolerance on treatment dose deviation in photon external beam radiotherapy. 2006 , 51, 4857-67		6
685	Independent evaluations of IMRT through the use of an anthropomorphic phantom. 2006 , 5, 481-7		53
684	Calibration of multiple LDR brachytherapy sources. <i>Medical Physics</i> , 2006 , 33, 3804-13	4.4	11
683	A quality assurance program for the on-board imagers. <i>Medical Physics</i> , 2006 , 33, 4431-47	4.4	121
682	Response to "The need for a dose calibration protocol for brachytherapy sources" [<i>Med. Phys.</i> 34, 367-368 (2007)]. <i>Medical Physics</i> , 2006 , 34, 367	4.4	
681	Calibration procedures for seeds preloaded in cartridges. <i>Medical Physics</i> , 2006 , 33, 2765-72	4.4	2
680	The use of a commercial QA device for daily output check of a helical tomotherapy unit. <i>Medical Physics</i> , 2006 , 33, 3680-2	4.4	6

679	A helical tomotherapy dynamic quality assurance. <i>Medical Physics</i> , 2006 , 33, 3939-50	4.4	28
678	Light field and crosshair quality assurance test using a simple lens system. <i>Medical Physics</i> , 2006 , 33, 930-4	4.4	3
677	Intraoperative radiation therapy using mobile electron linear accelerators: report of AAPM Radiation Therapy Committee Task Group No. 72. <i>Medical Physics</i> , 2006 , 33, 1476-89	4.4	86
676	Irradiated Products. 2007 , 397-409		0
675	Towards the development of an error checker for radiotherapy treatment plans: a preliminary study. 2007 , 52, 6511-24		21
674	Influence of monitor chamber calibration on virtual Wedge dosimetry. <i>Medical Physics</i> , 2007 , 34, 1185-92	4.4	2
673	Design, development, and implementation of the radiological physics center's pelvis and thorax anthropomorphic quality assurance phantoms. <i>Medical Physics</i> , 2007 , 34, 2070-6	4.4	85
672	Implementation of a quality assurance program for computerized treatment planning systems. <i>Medical Physics</i> , 2007 , 34, 2827-36	4.4	2
671	Evaluation of the precision of portal-image-guided head-and-neck localization: an intra- and interobserver study. <i>Medical Physics</i> , 2007 , 34, 2704-7	4.4	8
670	Point/Counterpoint. Peer reviews of medical physics practices often yield little information because the AAPM has not been proactive in developing appropriate peer-review guidelines. <i>Medical Physics</i> , 2007 , 34, 3701-4	4.4	1
669	TG-69: radiographic film for megavoltage beam dosimetry. <i>Medical Physics</i> , 2007 , 34, 2228-58	4.4	93
668	An independent dose calculation algorithm for MLC-based stereotactic radiotherapy. <i>Medical Physics</i> , 2007 , 34, 1605-14	4.4	13
667	An independent algorithm to check the monitor units calculation in radiosurgery. <i>Medical Physics</i> , 2008 , 35, 48-51	4.4	4
666	Monte Carlo aided design of an improved well-type ionization chamber for low energy brachytherapy sources. <i>Medical Physics</i> , 2007 , 34, 1274-85	4.4	2
665	On the assay of brachytherapy sources. <i>Medical Physics</i> , 2007 , 34, 1975-82	4.4	8
664	Rectum dose analysis employing a multi-purpose brachytherapy phantom. 2007 , 37, 391-8		6
663	Cone-beam CT using a mobile C-arm: a registration solution for IGRT with an optical tracking system. 2007 , 52, 3389-404		10
662	A study to establish reasonable action limits for patient-specific quality assurance in intensity-modulated radiation therapy. 2007 , 8, 1-8		46

661	The development of quality control standards for radiation therapy equipment in Canada. 2006 , 8, 108-18	16
660	A device for precision positioning and alignment of room lasers to diminish their contribution to patient setup errors. 2007 , 8, 45-53	7
659	Experimental validation of the Eclipse AAA algorithm. 2007 , 8, 76-92	45
658	A Method of Verifying Intensity Modulated Radiation Therapy Through Beamlet Weight Verification and Dose Reconstruction. 2007 , 1797-1800	
657	Quality in radiation oncology. <i>Medical Physics</i> , 2007 , 34, 1529-34	4-4 38
656	Clinical and dosimetric experience with MammoSite-based brachytherapy under the RTOG 0413 protocol. 2007 , 8, 176-184	7
655	An improved method to accurately calibrate the gantry angle indicators of the radiotherapy linear accelerators. 2007 , 576, 441-445	4
654	Challenges in the clinical application of advanced technologies to reduce radiation-associated normal tissue injury. 2007 , 69, 4-12	29
653	Dose specification and quality assurance of radiation therapy oncology group protocol 95-17; a cooperative group study of iridium-192 breast implants as sole therapy. 2007 , 69, 1572-8	19
652	Implication of CT table sag on geometrical accuracy during virtual simulation. 2007 , 32, 233-6	
651	Is rural radiation oncology practice quality as good as the big smoke? Results of the Australian radiotherapy single machine unit trial. 2007 , 51, 381-5	21
650	Quality assurance of image-guidance technologies. 2007 , 17, 278-86	25
649	Thirty year celebration of journal publications on radiation oncology medical physics. 2007 , 30, 1-12	3
648	Commissioning of motorized wedge for the first equinox-80 telecobalt unit and implementation in the Eclipse 3D treatment planning system. 2007 , 30, 127-34	3
647	Fricke xyleneol gel characterization using a photoacoustic technique. 2007 , 582, 484-488	18
646	Implementation of in vivo dosimetry with Isorad semiconductor diodes in radiotherapy treatments of the pelvis. 2008 , 33, 14-21	7
645	The characteristics of Fuji IP Cassette Type PII and application for radiation oncology quality assurance tests and portal imaging. 2008 , 31, 146-50	1
644	In-air calibration of new high dose rate ⁶⁰ Co brachytherapy sources: results of measurements on a GZP6 brachytherapy afterloading unit. 2008 , 13, 69-73	11

643	QA issues for computer-controlled treatment delivery: this is not your old R/V system any more!. 2008 , 71, S98-S102		10
642	Quality assurance of intensity-modulated radiation therapy. 2008 , 71, S108-12		52
641	Current external beam radiation therapy quality assurance guidance: does it meet the challenges of emerging image-guided technologies?. 2008 , 71, S13-7		13
640	Quality assurance for the geometric accuracy of cone-beam CT guidance in radiation therapy. 2008 , 71, S57-61		56
639	Quality assurance of serial 3D image registration, fusion, and segmentation. 2008 , 71, S33-7		27
638	Tools for developing a quality management program: proactive tools (process mapping, value stream mapping, fault tree analysis, and failure mode and effects analysis). 2008 , 71, S187-90		49
637	Critique of traditional quality assurance paradigm. 2008 , 71, S166-9		11
636	Quality assurance needs for modern image-based radiotherapy: recommendations from 2007 interorganizational symposium on "quality assurance of radiation therapy: challenges of advanced technology". 2008 , 71, S2-12		43
635	Cyberknife image-guided delivery and quality assurance. 2008 , 71, S126-30		31
634	Developing quality assurance processes for image-guided adaptive radiation therapy. 2008 , 71, S28-32		21
633	Clinical practice and quality assurance challenges in modern brachytherapy sources and dosimetry. 2008 , 71, S142-6		12
632	Helical tomotherapy quality assurance. 2008 , 71, S113-7		13
631	Infrared-guided patient setup for lung cancer patients. 2008 , 71, 1124-33		8
630	Interfractional prostate shifts: review of 1870 computed tomography (CT) scans obtained during image-guided radiotherapy using CT-on-rails for the treatment of prostate cancer. 2008 , 72, 1396-401		39
629	Anniversary paper: past and current issues, and trends in brachytherapy physics. <i>Medical Physics</i> , 2008 , 35, 4708-23	4.4	56
628	Importance of daily electronic portal imaging in radiotherapy. 2008 , 52, 414-8		1
627	A quality assurance program for image quality of cone-beam CT guidance in radiation therapy. <i>Medical Physics</i> , 2008 , 35, 1807-15	4.4	69
626	Development of a QA phantom and automated analysis tool for geometric quality assurance of on-board MV and kV x-ray imaging systems. <i>Medical Physics</i> , 2008 , 35, 1497-506	4.4	46

625	Intensity-modulated radiation therapy dose prescription, recording, and delivery: patterns of variability among institutions and treatment planning systems. 2008 , 100, 300-7		168
624	Results of a two-year quality control program for a helical tomotherapy unit. 2008 , 86, 231-41		13
623	Evaluation of a new IR-guided system for mechanical QA of linear accelerators. <i>Medical Physics</i> , 2008 , 35, 4816-23	4.4	3
622	Accelerator beam data commissioning equipment and procedures: report of the TG-106 of the Therapy Physics Committee of the AAPM. <i>Medical Physics</i> , 2008 , 35, 4186-215	4.4	276
621	Quality assurance of radiotherapy in cancer treatment: toward improvement of patient safety and quality of care. 2008 , 38, 723-9		39
620	An independent dose calculation algorithm for MLC-based radiotherapy including the spatial dependence of MLC transmission. 2008 , 53, 557-73		17
619	Analysis of the measurement precision of an amorphous silicon EPID used for MLC leaf position quality control and the long-term calibration stability of an optically controlled MLC. 2008 , 53, N297-306		10
618	The impact of linac output variations on dose distributions in helical tomotherapy. 2008 , 53, 417-30		17
617	Statistical process control for IMRT dosimetric verification. <i>Medical Physics</i> , 2008 , 35, 4417-25	4.4	59
616	Low dose megavoltage cone beam computed tomography with an unflattened 4 MV beam from a carbon target. <i>Medical Physics</i> , 2008 , 35, 5777-86	4.4	68
615	Evaluation of linear accelerator performance standards using an outcome oriented approach. <i>Medical Physics</i> , 2008 , 35, 2513-8	4.4	4
614	Anniversary paper. Development of x-ray computed tomography: the role of medical physics and AAPM from the 1970s to present. <i>Medical Physics</i> , 2008 , 35, 3728-39	4.4	40
613	Third-party brachytherapy source calibrations and physicist responsibilities: report of the AAPM Low Energy Brachytherapy Source Calibration Working Group. <i>Medical Physics</i> , 2008 , 35, 3860-5	4.4	53
612	New technologies in radiation therapy: ensuring patient safety, radiation safety and regulatory issues in radiation oncology. 2008 , 95, 658-65		25
611	Anniversary paper: Role of medical physicists and the AAPM in improving geometric aspects of treatment accuracy and precision. <i>Medical Physics</i> , 2008 , 35, 828-39	4.4	11
610	Radiotherapy in Italy after Conservative Treatment of Early Breast Cancer. A Survey by the Italian Society of Radiation Oncology (AIRO). 2008 , 94, 333-341		8
609	Verifying monitor unit calculations for tangential whole breast fields in 3-dimensional planning. 2008 , 9, 47-53		3
608	Detection of electron beam energy variations using a computed radiography system. 2009 , 10, 142-150		1

607	Characterization of cylindrical ionization chambers for patient specific IMRT QA. 2009 , 10, 241-251		12
606	A method to improve accuracy and precision of water surface identification for photon depth dose measurements. <i>Medical Physics</i> , 2009 , 36, 1410-20	4-4	5
605	Point/Counterpoint. Medical physicists should be allowed by states to image and treat, just like radiologic technologists. <i>Medical Physics</i> , 2010 , 37, 1-3	4-4	3
604	New method for obtaining position and time structure of source in HDR remote afterloading brachytherapy unit utilizing light emission from scintillator. 2009 , 10, 86-95		8
603	Performance of a commercial Macro Monte Carlo dose calculation algorithm for determining output factors of clinical electron fields. 2009 , 8, 307-14		4
602	Dose reconstruction for intensity-modulated radiation therapy using a non-iterative method and portal dose image. 2009 , 54, 5223-36		13
601	Enhanced efficiency in helical tomotherapy quality assurance using a custom-designed water-equivalent phantom. 2009 , 54, 5663-74		6
600	Changes in optically stimulated luminescent dosimeter (OSLD) dosimetric characteristics with accumulated dose. <i>Medical Physics</i> , 2010 , 37, 132-40	4-4	82
599	Cone beam CT evaluation of patient set-up accuracy as a QA tool. 2009 , 48, 271-6		14
598	Primary standards and dosimetry protocols for brachytherapy sources. 2009 , 46, S80-S98		17
597	Monte Carlo Modeling and Commissioning of a Dual-layer Micro Multileaf Collimator. 2009 , 8, 105-14		3
596	Verification of air-kerma strength of 125I seed for permanent prostate implants in Japan. 2009 , 14, 525-8		1
595	Introduction of Linac quality management experience. 2009 , 8, 303-305		
594	A method for patient set-up guidance in radiotherapy using augmented reality. 2009 , 32, 203-11		9
593	Performance of Al ₂ O ₃ :C optically stimulated luminescence dosimeters for clinical radiation therapy applications. 2009 , 32, 226-32		15
592	A review of image-guided radiotherapy. 2009 , 2, 1-12		41
591	The European Federation of Organisations for Medical Physics policy statement No. 13: recommended guidelines on the development of safety and quality management systems for medical physics departments. 2009 , 25, 161-5		2
590	Dosimetric characteristics of a MOSFET dosimeter for clinical electron beams. 2009 , 25, 141-7		17

589	Commissioning of volumetric modulated arc therapy (VMAT). 2009 , 73, 537-45		148
588	Internal audit of a comprehensive IMRT program for prostate cancer: a model for centers in developing countries?. 2009 , 74, 1447-54		2
587	Evaluation of safety in a radiation oncology setting using failure mode and effects analysis. 2009 , 74, 852-8		159
586	Balancing the evolution of radiotherapy quality assurance: in reference to Ford et al. 2009 , 74, 664-6		2
585	Task Group 142 report: quality assurance of medical accelerators. <i>Medical Physics</i> , 2009 , 36, 4197-212	4.4	873
584	Tolerances on MLC leaf position accuracy for IMRT delivery with a dynamic MLC. <i>Medical Physics</i> , 2009 , 36, 3304-9	4.4	79
583	[Quality control of a kV cone beam computed tomography imaging system]. 2009 , 13, 345-52		1
582	Absorption measurements on a new cone beam CT and IMRT compatible tabletop for use in external radiotherapy. 2009 , 54, N319-28		5
581	An international review of patient safety measures in radiotherapy practice. 2009 , 92, 15-21		89
580	Unintended exposure in radiotherapy: identification of prominent causes. 2009 , 93, 609-17		27
579	Automating the initial physics chart checking process. 2009 , 10, 129-135		36
578	Independent calculation of dose from a helical TomoTherapy unit. 2009 , 10, 103-119		16
577	Recommendations for clinical electron beam dosimetry: supplement to the recommendations of Task Group 25. <i>Medical Physics</i> , 2009 , 36, 3239-79	4.4	89
576	Dose consumption for quality assurance and maintenance at a dedicated IORT accelerator. 2009 , 10, 188-206		4
575	An overview of the comprehensive proton therapy machine quality assurance procedures implemented at The University of Texas M. D. Anderson Cancer Center Proton Therapy Center-Houston. <i>Medical Physics</i> , 2009 , 36, 2269-82	4.4	41
574	Report of AAPM Therapy Physics Committee Task Group 74: in-air output ratio, S_c , for megavoltage photon beams. <i>Medical Physics</i> , 2009 , 36, 5261-91	4.4	67
573	Monte Carlo model for a prototype CT-compatible, anatomically adaptive, shielded intracavitary brachytherapy applicator for the treatment of cervical cancer. <i>Medical Physics</i> , 2009 , 36, 4147-55	4.4	8
572	Application of a 3D volumetric display for radiation therapy treatment planning I: quality assurance procedures. 2009 , 10, 96-114		1

571	Point/counterpoint. Most residency programs for radiation oncology physicists do not reflect the heightened importance of medical imaging. <i>Medical Physics</i> , 2010 , 37, 1939-41	4-4	
570	A simple method to quantify the coincidence between portal image graticules and radiation field centers or radiation isocenter. <i>Medical Physics</i> , 2010 , 37, 2256-63	4-4	26
569	Quality assurance methodology for Varian RapidArc treatment plans. 2010 , 11, 3164		27
568	Practical quantitative measurement of graticule misalignment relative to collimator axis of rotation. 2010 , 11, 3318		2
567	A quality assurance procedure to evaluate cone-beam CT image center congruence with the radiation isocenter of a linear accelerator. 2010 , 11, 3297		19
566	Investigation of a 3D system distortion correction method for MR images. 2010 , 11, 2961		42
565	Commissioning and quality assurance for a respiratory training system based on audiovisual biofeedback. 2010 , 11, 3262		15
564	Loss of radiobiological effect of imaging dose in image guided radiotherapy due to prolonged imaging-to-treatment times. <i>Medical Physics</i> , 2010 , 37, 2761-9	4-4	6
563	Design and clinical implementation of a TG-106 compliant linear accelerator data management system and MU calculator. 2010 , 11, 3212		6
562	References. 2010 , 10, 93-106		
561	Methodology for commissioning a brachytherapy treatment planning system in the era of 3D planning. 2010 , 33, 341-9		6
560	Patient setup verification procedure for a portal image in a computed radiography system with a high-resolution liquid-crystal display monitor. 2010 , 3, 46-52		
559	Air kerma strength characterization of a GZP6 Cobalt-60 brachytherapy source. 2010 , 15, 190-4		13
558	Midline dose verification with diode in vivo dosimetry for external photon therapy of head and neck and pelvis cancers during initial large-field treatments. 2010 , 35, 304-11		3
557	Optimizing an analytical dose calculation algorithm for fast 2D calculations. 2010 , 20, 61-7		
556	Breath-hold target localization with simultaneous kilovoltage/megavoltage cone-beam computed tomography and fast reconstruction. 2010 , 78, 1219-26		18
555	[Quality assurance in radiotherapy]. 2010 , 97, 867-72		0
554	Stereotactic body radiation therapy: the report of AAPM Task Group 101. <i>Medical Physics</i> , 2010 , 37, 4078-101	4-101	1177

553	The IPEM code of practice for determination of the reference air kerma rate for HDR (192)Ir brachytherapy sources based on the NPL air kerma standard. 2010 , 55, 3145-59		18
552	On the insensitivity of single field planar dosimetry to IMRT inaccuracies. <i>Medical Physics</i> , 2010 , 37, 2516-24	4.4	136
551	Failure mode and effect analysis-based quality assurance for dynamic MLC tracking systems. <i>Medical Physics</i> , 2010 , 37, 6466-79	4.4	53
550	Modeling scatter-to-primary dose ratio for megavoltage photon beams. <i>Medical Physics</i> , 2010 , 37, 5270-8	4.4	7
549	Verification of monitor unit calculations for non-IMRT clinical radiotherapy: report of AAPM Task Group 114. <i>Medical Physics</i> , 2011 , 38, 504-30	4.4	62
548	QA in Radiation Therapy: The RPC Perspective. 2010 , 250, 012001		12
547	SRT and SBRT: Current practices for QA dosimetry and 3D. 2010 , 250, 012057		5
546	Dosimetric impact of an 192Ir brachytherapy source cable length modeled using a grid-based Boltzmann transport equation solver. <i>Medical Physics</i> , 2010 , 37, 4733-43	4.4	30
545	QA for helical tomotherapy: report of the AAPM Task Group 148. <i>Medical Physics</i> , 2010 , 37, 4817-53	4.4	164
544	Automated analysis of images acquired with electronic portal imaging device during delivery of quality assurance plans for inversely optimized arc therapy. 2010 , 94, 195-6		13
543	Trend analysis of radiation therapy incidents over seven years. 2010 , 96, 139-44		62
542	Radiation Oncology Safety Information System (ROSIS)--profiles of participants and the first 1074 incident reports. 2010 , 97, 601-7		68
541	Enhancements to commissioning techniques and quality assurance of brachytherapy treatment planning systems that use model-based dose calculation algorithms. <i>Medical Physics</i> , 2010 , 37, 2645-58	4.4	46
540	A comparison of four skull models for independent dose calculations for Gamma Knife PERFEXION. <i>Medical Physics</i> , 2011 , 38, 884-90	4.4	9
539	Dosimetry tools and techniques for IMRT. <i>Medical Physics</i> , 2011 , 38, 1313-38	4.4	280
538	Design of site-specific prognostic morbidity-mortality studies and internal outcome focus studies in radiation oncology. 2011 , 8, 490-6		
537	Geometrical uncertainty margins in 3D conformal radiotherapy in the pediatric age group. 2011 , 23, 55-60		3
536	Sophisticated test objects for the quality assurance of optical computed tomography scanners. 2011 , 56, 4177-99		28

535	A practical approach to diode based in vivo dosimetry for intensity modulated radiotherapy. 2011 , 98, 378-81		10
534	Patient-specific 3D pretreatment and potential 3D online dose verification of Monte Carlo-calculated IMRT prostate treatment plans. 2011 , 81, 1168-75		43
533	Technological advancements and error rates in radiation therapy delivery. 2011 , 81, e673-9		31
532	Radiation Therapy for Cervical Cancer. 2011 , 829-853		
531	Quality assurance using a photodiode array. 2011 , 12, 3358		3
530	Feasibility study of performing IGRT system daily QA using a commercial QA device. 2011 , 12, 3535		13
529	The impact of uncertainties associated with MammoSite brachytherapy on the dose distribution in the breast. 2011 , 12, 3464		6
528	Report of AAPM TG 135: quality assurance for robotic radiosurgery. <i>Medical Physics</i> , 2011 , 38, 2914-36	4.4	141
527	Patient-specific CT dosimetry calculation: a feasibility study. 2011 , 12, 3589		5
526	From HEP to medical radiation dosimetry – The silicon strip detector dose magnifying glass. 2011 , 46, 1615-1618		2
525	A dosimetric uncertainty analysis for photon-emitting brachytherapy sources: report of AAPM Task Group No. 138 and GEC-ESTRO. <i>Medical Physics</i> , 2011 , 38, 782-801	4.4	161
524	Lessons learned from a HDR brachytherapy well ionisation chamber calibration error. 2011 , 34, 529-33		6
523	American Society for Radiation Oncology (ASTRO) and American College of Radiology (ACR) practice guideline for the transperineal permanent brachytherapy of prostate cancer. 2011 , 79, 335-41		59
522	Comparison of monitor units calculated by radiotherapy treatment planning system and an independent monitor unit verification software. 2011 , 27, 21-9		18
521	Patient safety in external beam radiation therapy. 2011 , 196, 768-72		15
520	In vivo dosimetry with optically stimulated luminescent dosimeters, OSLDs, compared to diodes; the effects of buildup cap thickness and fabrication material. <i>Medical Physics</i> , 2011 , 38, 5432-40	4.4	20
519	Physics and Clinical Aspects of Brachytherapy. 2011 , 401-434		
518	Quality Management and Safety in Radiation Oncology. 2011 , 485-529		1

517	Analysis of output trends from Varian 2100C/D and 600C/D accelerators. 2011 , 56, N11-9		15
516	How can a cost/benefit ratio be optimized for an output measurement program of external photon radiotherapy beams?. 2011 , 56, 2119-30		3
515	Optically stimulated luminescence in vivo dosimetry for radiotherapy: physical characterization and clinical measurements in (60)Co beams. 2011 , 56, 6065-82		52
514	Characterization of a cable-free system based on p-type MOSFET detectors for "in vivo" entrance skin dose measurements in interventional radiology. <i>Medical Physics</i> , 2012 , 39, 4866-74	4.4	6
513	A multipurpose quality assurance phantom for the small animal radiation research platform (SARRP). 2012 , 57, 2575-86		12
512	Quality assurance for nonradiographic radiotherapy localization and positioning systems: report of Task Group 147. <i>Medical Physics</i> , 2012 , 39, 1728-47	4.4	63
511	Commissioning and dosimetric characteristics of TrueBeam system: composite data of three TrueBeam machines. <i>Medical Physics</i> , 2012 , 39, 6981-7018	4.4	81
510	A survey of the practice and management of radiotherapy linear accelerator quality control in the UK. 2012 , 85, e1067-73		11
509	Dose-response curve of EBT, EBT2, and EBT3 radiochromic films to synchrotron-produced monochromatic x-ray beams. <i>Medical Physics</i> , 2012 , 39, 7412-7	4.4	102
508	Report of the Task Group 186 on model-based dose calculation methods in brachytherapy beyond the TG-43 formalism: current status and recommendations for clinical implementation. <i>Medical Physics</i> , 2012 , 39, 6208-36	4.4	302
507	An isocenter detection and verification device for use in proton therapy. 2012 , 83, 125109		7
506	Dosimetry of (125)I and (103)Pd COMS eye plaques for intraocular tumors: report of Task Group 129 by the AAPM and ABS. <i>Medical Physics</i> , 2012 , 39, 6161-84	4.4	125
505	The use and QA of biologically related models for treatment planning: short report of the TG-166 of the therapy physics committee of the AAPM. <i>Medical Physics</i> , 2012 , 39, 1386-409	4.4	153
504	Gantry angle determination during arc IMRT: evaluation of a simple EPID-based technique and two commercial inclinometers. 2012 , 13, 3981		14
503	Physics-aspects of dose accuracy in high dose rate (HDR) brachytherapy: source dosimetry, treatment planning, equipment performance and in vivo verification techniques. 2012 , 4, 81-91		36
502	Clinical commissioning and use of the Novalis Tx linear accelerator for SRS and SBRT. 2012 , 13, 3729		35
501	Dose to craniofacial region through portal imaging of pediatric brain tumors. 2012 , 13, 3385		2
500	Imaging system QA of a medical accelerator, Novalis Tx, for IGRT per TG 142: our 1 year experience. 2012 , 13, 3754		13

499	A quality assurance tool for helical tomotherapy using a step-wedge phantom and the on-board MVCT detector. 2012 , 13, 3585		12
498	Volumetric-modulated arc therapy: effective and efficient end-to-end patient-specific quality assurance. 2012 , 82, 1567-74		34
497	Quality assurance peer review chart rounds in 2011: a survey of academic institutions in the United States. 2012 , 84, 590-5		52
496	Quality control quantification (QCQ): a tool to measure the value of quality control checks in radiation oncology. 2012 , 84, e263-9		107
495	A phantom for verification of dwell position and time of a high dose rate brachytherapy source. 2012 , 35, 335-9		1
494	. 2012 ,		0
493	Calibration of EBT2 film by the PDD method with scanner non-uniformity correction. 2012 , 57, 5875-87		24
492	Comparison of 3D conformal breast radiation treatment plans using the anisotropic analytical algorithm and pencil beam convolution algorithm. 2012 , 103, 172-7		8
491	[Ballistic quality assurance]. 2012 , 16 Suppl, S30-7		0
490	Quality assurance for image-guided radiation therapy utilizing CT-based technologies: a report of the AAPM TG-179. <i>Medical Physics</i> , 2012 , 39, 1946-63	4.4	174
489	The Canadian Association of Radiation Oncology scope of practice guidelines for lung, liver and spine stereotactic body radiotherapy. 2012 , 24, 629-39		167
488	Organizational, technical, physical and clinical quality standards for radiotherapy. 2012 , 17, 190-9		4
487	A formulation of tissue- and water-equivalent materials using the stoichiometric analysis method for CT-number calibration in radiotherapy treatment planning. 2012 , 57, 1173-90		45
486	The Clinical Commissioning of Beams for Neutron Capture Therapy. 2012 , 259-275		
485	Audit tool for external beam radiation therapy departments. 2012 , 2, e39-e44		3
484	Dose calculation for photon-emitting brachytherapy sources with average energy higher than 50 keV: report of the AAPM and ESTRO. <i>Medical Physics</i> , 2012 , 39, 2904-29	4.4	169
483	Performance of independent dose calculation in helical tomotherapy: implementation of the MCSIM code. 2012 , 35, 423-38		1
482	Daily On-Line Set-Up Correction in 3D-Conformal Radiotherapy: Is It Feasible?. 2012 , 98, 441-444		18

481	Clinical quality standards for radiotherapy. 2012 , 16, 44-52		2
480	A technique for calibrating a high dose rate ^{192}Ir brachytherapy source. 2012 , 35, 85-92		1
479	Paperless medical physics QA in radiation therapy. 2012 , 35, 237-43		0
478	Automatic verification of SSD and generation of respiratory signal with lasers in radiotherapy: a preliminary study. 2012 , 28, 43-7		
477	Implementation of a lung radiosurgery program: technical considerations and quality assurance in an Australian institution. 2012 , 56, 354-61		16
476	Quality, technology and outcomes: evolution and evaluation of new treatments and/or new technology. 2012 , 22, 3-10		21
475	A simple quality assurance test tool for the visual verification of light and radiation field congruent using electronic portal images device and computed radiography. 2012 , 7, 49		14
474	Dosimetric accuracy of Gafchromic EBT2 and EBT3 film for in vivo dosimetry. 2013 , 36, 331-7		43
473	Extraction of electron beam dose parameters from EBT2 film data scored in a mini phantom. 2013 , 36, 339-46		3
472	In vivo measurements for high dose rate brachytherapy with optically stimulated luminescent dosimeters. <i>Medical Physics</i> , 2013 , 40, 071730	4.4	22
471	Boron neutron capture therapy (BNCT) in Finland: technological and physical prospects after 20 years of experiences. 2013 , 29, 233-48		42
470	A revision of proton machine quality assurance for wobbled-proton-beam therapy. 2013 , 6, 444-52		6
469	Dosimetric validation of a redundant independent calculation software for VMAT fields. 2013 , 29, 341-9		13
468	A Head and Neck Simulator for Radiology and Radiotherapy. 2013 , 60, 1503-1511		1
467	Development of cylindrical stepwedge phantom for routine quality controls of a helical tomotherapy machine. 2013 , 29, 91-8		3
466	Contemporary radiotherapy in head and neck cancer: balancing chance for cure with risk for complication. 2013 , 22, 579-98		13
465	[Radionuclides, technologies and quality control in brachytherapy]. 2013 , 17, 85-8		3
464	A systematic approach to statistical analysis in dosimetry and patient-specific IMRT plan verification measurements. 2013 , 8, 225		2

463	ACPSEM brachytherapy working group recommendations for quality assurance in brachytherapy. 2013 , 36, 387-96		15
462	[Evaluation and implementation of in vivo transit dosimetry with an electronic portal imaging device]. 2013 , 17, 656-63		4
461	A comparison of HDR near source dosimetry using a treatment planning system, Monte Carlo simulation, and radiochromic film. 2013 , 38, 160-4		3
460	Impact of quality assurance rounds in a Canadian radiation therapy department. 2013 , 85, e117-21		37
459	Application of an independent dose calculation software for estimating the impact of inter-fractional setup shifts in Helical Tomotherapy treatments. 2013 , 29, 615-23		2
458	Monte Carlo simulation and measurement of radiation leakage from applicators used in external electron radiotherapy. 2013 , 29, 388-96		10
457	Patient QA systems for rotational radiation therapy: a comparative experimental study with intentional errors. <i>Medical Physics</i> , 2013 , 40, 031716	4.4	87
456	Monte Carlo simulation based study of a proposed multileaf collimator for a telecobalt machine. <i>Medical Physics</i> , 2013 , 40, 021705	4.4	6
455	An experimental study of the vertical travel accuracy of the treatment table used in radiotherapy. 2013 , 12, 114-123		
454	Quality assurance for computed-tomography simulator: In home Z-phantom for mechanical tests of the couch and the gantry. 2013 , 12, 237-242		1
453	Evaluation of the systematic set-up errors using electronic portal image device in the radiotherapy procedures. 2013 , 12, 439-442		
452	American College of Radiology (ACR) and American Society for Radiation Oncology (ASTRO) Practice Guideline for the Performance of Stereotactic Radiosurgery (SRS). 2013 , 36, 310-5		76
451	Introduction to suspension levels: radiotherapy. 2013 , 153, 174-8		
450	Vision 20/20: Automation and advanced computing in clinical radiation oncology. <i>Medical Physics</i> , 2014 , 41, 010901	4.4	30
449	Absolute calibration of optical power for PDT: report of AAPM TG140. <i>Medical Physics</i> , 2013 , 40, 081501	4.4	5
448	Credentialing results from IMRT irradiations of an anthropomorphic head and neck phantom. <i>Medical Physics</i> , 2013 , 40, 022101	4.4	92
447	A computer aided treatment event recognition system in radiation therapy. <i>Medical Physics</i> , 2014 , 41, 011713	4.4	11
446	Characterization of a novel 2D array dosimeter for patient-specific quality assurance with volumetric arc therapy. <i>Medical Physics</i> , 2013 , 40, 071731	4.4	34

445	Quality assurance of electron beams using a Varian electronic portal imaging device. 2013 , 58, 5461-75		6
444	Effects of alignment of adjustable collimator on dosimetric parameters of a telecobalt machine. 2013 , 12, 151-63		
443	A novel daily QA system for proton therapy. 2013 , 14, 4058		22
442	Accuracy required and achievable in radiotherapy dosimetry: have modern technology and techniques changed our views?. 2013 , 444, 012006		32
441	Using qualitative measures to improve quality in radiation oncology. 2013 , 28, 345-51		1
440	Automated x-ray/light field congruence using the LINAC EPID panel. <i>Medical Physics</i> , 2013 , 40, 031718	4.4	7
439	[Detailed analysis of multi-leaf collimator movement during radiation delivery using an in-house-developed program]. 2013 , 69, 1130-9		
438	Differences in Target Volume Delineation Using Typical Radiosurgery Planning System. 2013 , 24, 265		1
437	Quality assurance for clinical trials. 2013 , 3, 311		23
436	Indirect check of the stability of the reference ion chamber used for accelerator output calibration. 2014 , 65, 1475-1480		
435	Feasibility study of using statistical process control to customized quality assurance in proton therapy. <i>Medical Physics</i> , 2014 , 41, 092105	4.4	10
434	Characterization of a two-dimensional liquid-filled ion chamber detector array used for verification of the treatments in radiotherapy. <i>Medical Physics</i> , 2014 , 41, 051704	4.4	29
433	Monitor unit calculations for external photon and electron beams: Report of the AAPM Therapy Physics Committee Task Group No. 71. <i>Medical Physics</i> , 2014 , 41, 031501	4.4	43
432	Independent brachytherapy plan verification software: improving efficacy and efficiency. 2014 , 113, 420-4		19
431	Dependency of EBT2 film calibration curve on postirradiation time. <i>Medical Physics</i> , 2014 , 41, 021726	4.4	11
430	Independent dosimetric assessment of the model EP917 episcleral brachytherapy plaque. <i>Medical Physics</i> , 2014 , 41, 092102	4.4	4
429	Dose error from deviation of dwell time and source position for high dose-rate ¹⁹² Ir in remote afterloading system. 2014 , 55, 780-7		16
428	A review of safety, quality management, and practice guidelines for high-dose-rate brachytherapy: executive summary. 2014 , 4, 65-70		34

427	The dose rate dependence of synthetic diamond detectors in the relative dosimetry of high-energy electron therapy beams. 2014 , 98, 155-162	10
426	Survey of advanced radiation technologies used at designated cancer care hospitals in Japan. 2014 , 44, 72-7	6
425	Addendum to the AAPM's TG-51 protocol for clinical reference dosimetry of high-energy photon beams. <i>Medical Physics</i> , 2014 , 41, 041501	4-4 159
424	Anomaly Detection in Time Series Radiotherapy Treatment Data. 2014 ,	
423	Air kerma and absorbed dose standards for reference dosimetry in brachytherapy. 2014 , 87, 20140176	9
422	Software tool for physics chart checks. 2014 , 4, e217-25	15
421	Application of failure mode and effects analysis to intracranial stereotactic radiation surgery by linear accelerator. 2014 , 4, 392-7	25
420	Calibration of (192)Ir high dose rate brachytherapy source using different calibration procedures. 2014 , 19, 151-6	3
419	[Research studies on independent verification of monitor units in radiation therapy]. 2014 , 70, 143-7	2
418	Improving linear accelerator service response with a real-time electronic event reporting system. 2014 , 15, 4807	8
417	An investigation of gantry angle data accuracy for cine-mode EPID images acquired during arc IMRT. 2014 , 15, 4507	20
416	Daily QA in proton therapy using a single commercially available detector. 2014 , 15, 5005	20
415	References. 2014 , 14, 123-145	
414	Evaluation of a novel secondary check tool for intensity-modulated radiotherapy treatment planning. 2014 , 15, 4990	23
413	Output trends, characteristics, and measurements of three megavoltage radiotherapy linear accelerators. 2014 , 15, 4783	16
412	Design and testing of indigenous cost effective three dimensional radiation field analyser (3D RFA). 2014 , 13, 195-209	
411	Quality assurance measurements for high-dose-rate brachytherapy without film. 2014 , 15, 4586	9
410	Anomaly Detection in Healthcare: Detecting Erroneous Treatment Plans in Time Series Radiotherapy Data. 2014 , 08, 257-278	3

409	An approach for measuring the spatial orientations of a computed-tomography simulation system. 2014 , 15, 4544		3
408	Patient safety considerations concerning the scheduling of emergency-off system tests. 2014 , 15, 4583		
407	Bladder and rectum dose estimations on digitized radiographs for vaginal brachytherapy after hysterectomy. 2014 , 15, 5033		1
406	Using a 2D detector array for meaningful and efficient linear accelerator beam property validations. 2014 , 15, 4749		3
405	The MCART radiation physics core: the quest for radiation dosimetry standardization. 2014 , 106, 97-105		24
404	Assessing the reliability of the Radiation Therapy care delivery process using discrete event simulation. 2014 ,		1
403	Assessment of dose error due to nylon mesh of treatment couch. 2015 , 31, 1080-1084		1
402	Alignment of multiradiation isocenters for megavoltage photon beam. 2015 , 16, 314-324		3
401	Technical Report: TG-142 compliant and comprehensive quality assurance tests for respiratory gating. <i>Medical Physics</i> , 2015 , 42, 6488-97	4.4	8
400	Quantifying the performance of in vivo portal dosimetry in detecting four types of treatment parameter variations. <i>Medical Physics</i> , 2015 , 42, 6912-8	4.4	43
399	Constancy checks of well-type ionization chambers with external-beam radiation units. 2015 , 16, 508-514		3
398	Commissioning and quality assurance for the treatment delivery components of the AccuBoost system. 2015 , 16, 5156		4
397	Study of quality assurance regulations for linear accelerators in Korea: A comparison study between the current status in Korea and the international guidelines. 2015 , 67, 17-25		1
396	VALIDATION OF AN INDEXED RADIOTHERAPY HEAD POSITIONING DEVICE FOR USE IN DOGS AND CATS. 2015 , 56, 448-55		14
395	Evaluation of the Machine Performance Check application for TrueBeam Linac. 2015 , 10, 97		34
394	Quality audits of radiotherapy centres in Latin America: a pilot experience of the International Atomic Energy Agency. 2015 , 10, 169		12
393	Investigation on the performance of dedicated radiotherapy positioning devices for MR scanning for prostate planning. 2015 , 16, 4848		8
392	Quantifying isocenter measurements to establish clinically meaningful thresholds. 2015 , 16, 5183		16

391	Usefulness of direct-conversion flat-panel detector system as a quality assurance tool for high-dose-rate ¹⁹² Ir source. 2015 , 16, 5068	5
390	Pretreatment verification of high dose rate brachytherapy plans using the ⁶⁰ Co phantom system. 2015 , 1, 025201	5
389	Audits for advanced treatment dosimetry. 2015 , 573, 012002	11
388	Visual Analysis of the Daily QA Results of Photon and Electron Beams of a Trilogy Linac over a Five-year Period. 2015 , 4, 290-299	14
387	Commissioning and periodic tests of the Esteya () electronic brachytherapy system. 2015 , 7, 189-95	17
386	Commissioning Experience of Tri-Cobalt-60 MRI-guided Radiation Therapy System. 2015 , 26, 193	21
385	Magnetic resonance imaging-guided brachytherapy for cervical cancer: initiating a program. 2015 , 7, 417-22	15
384	Suggestion for Comprehensive Quality Assurance of Medical Linear Accelerator in Korea. 2015 , 26, 294	5
383	Investigation of temperature dependence of semiconductor detectors used in medicine for radiation measurements. 2015 , 100, 04001	1
382	Textural feature calculated from segmental fluences as a modulation index for VMAT. 2015 , 31, 981-990	5
381	Predictors of breast radiotherapy plan modifications: quality assurance rounds in a large cancer centre. 2015 , 114, 17-21	17
380	The suitable dose range for the calibration of EBT2 film by the PDD method with a comparison of two curve fitting algorithms. 2015 , 777, 85-90	6
379	Detection and Prediction of Radiotherapy Errors. 2015 , 237-241	3
378	Treatment Planning Validation. 2015 , 243-252	0
377	Treatment Delivery Validation. 2015 , 253-260	1
376	Comprehensive quality assurance phantom for the small animal radiation research platform (SARRP). 2015 , 31, 529-35	18
375	Statistical process control for electron beam monitoring. 2015 , 31, 493-500	7
374	MRI simulation: end-to-end testing for prostate radiation therapy using geometric pelvic MRI phantoms. 2015 , 60, 3097-109	29

373	A review of recent advances in optical fibre sensors for in vivo dosimetry during radiotherapy. 2015 , 88, 20140702		52
372	The influence of detector size relative to field size in small-field photon-beam dosimetry using synthetic diamond crystals as sensors. 2015 , 113, 6-13		4
371	Validation of the Geant4 simulation of bremsstrahlung from thick targets below 3 MeV. 2015 , 350, 41-48		23
370	Protection and measurement in radiation therapy. 2015 , 108, 224-41		11
369	Adaptive beamlet-based finite-size pencil beam dose calculation for independent verification of IMRT and VMAT. <i>Medical Physics</i> , 2015 , 42, 1836-50	4-4	3
368	Daily QA of linear accelerators using only EPID and OBI. <i>Medical Physics</i> , 2015 , 42, 5584-94	4-4	37
367	Development of a brachytherapy audit checklist tool. 2015 , 14, 963-9		3
366	Continuous table acquisition MRI for radiotherapy treatment planning: distortion assessment with a new extended 3D volumetric phantom. <i>Medical Physics</i> , 2015 , 42, 1982-91	4-4	37
365	Dosimetric comparison of water phantoms, ion chambers, and data acquisition modes for LINAC characterization. 2015 , 82, 108-114		2
364	Aspects of dosimetry and clinical practice of skin brachytherapy: The American Brachytherapy Society working group report. 2015 , 14, 840-58		82
363	Patient-specific quality assurance for the delivery of (60)Co intensity modulated radiation therapy subject to a 0.35-T lateral magnetic field. 2015 , 91, 65-72		55
362	Development and application of a dose verification tool using a small field model for TomoTherapy. 2015 , 25, 48-57		2
361	Resource Documents. 2016 , 327-349		
360	Quality and Safety Improvement in Radiation Oncology. 2016 , 165-178		1
359	Prostate Seed Implant. 2016 , 287-304		
358	Commissioning and quality assurance procedures for the HDR Valencia skin applicators. 2016 , 8, 441-447		9
357	Failure mode and effects analysis of skin electronic brachytherapy using Esteya unit. 2016 , 8, 518-524		9
356	Evolving Clinical Cancer Radiotherapy: Concerns Regarding Normal Tissue Protection and Quality Assurance. 2016 , 31 Suppl 1, S75-87		7

355	The dosimetric impact of implants on the spinal cord dose during stereotactic body radiotherapy. 2016 , 11, 71		14
354	Relative Dosimetry for MV Beams. 2016 , 14-29		0
353	Quality Assurance and Commissioning of New Radiotherapy Technology. 2016 , 40-60		
352	Experimental pencil beam kernels derivation for 3D dose calculation in flattening filter free modulated fields. 2016 , 61, 50-66		5
351	Incorrect dosimetric leaf separation in IMRT and VMAT treatment planning: Clinical impact and correlation with pretreatment quality assurance. 2016 , 32, 918-25		6
350	A comparison of methods for monitoring photon beam energy constancy. 2016 , 17, 242-253		12
349	Topological detector: measuring continuous dosimetric quantities with few-element detector array. 2016 , 61, N403-14		2
348	Electron beam energy QA - a note on measurement tolerances. 2016 , 17, 249-257		1
347	Simple quality assurance method of dynamic tumor tracking with the gimbaled linac system using a light field. 2016 , 17, 177-183		3
346	Assessment of national dosimetry quality audits results for teletherapy machines from 1989 to 2015. 2016 , 17, 145-152		5
345	[A Quality Assurance (QA) System with a Web Camera for High-dose-rate Brachytherapy]. 2016 , 72, 227-33		
344	Re-examining TG-142 recommendations in light of modern techniques for linear accelerator based radiosurgery. <i>Medical Physics</i> , 2016 , 43, 5437	4-4	15
343	Pinnacle3 modeling and end-to-end dosimetric testing of a Versa HD linear accelerator with the Agility head and flattening filter-free modes. 2016 , 17, 192-206		4
342	EPID based in vivo dosimetry system: clinical experience and results. 2016 , 17, 262-276		40
341	Commissioning of a 3D image-based treatment planning system for high-dose-rate brachytherapy of cervical cancer. 2016 , 17, 405-426		11
340	Two-year experience with the commercial Gamma Knife Check software. 2016 , 17, 95-105		3
339	Guidelines for treatment naming in radiation oncology. 2015 , 17, 123-138		3
338	A software tool to automatically assure and report daily treatment deliveries by a cobalt-60 radiation therapy device. 2016 , 17, 492-501		11

337	The effectiveness of pretreatment physics plan review for detecting errors in radiation therapy. <i>Medical Physics</i> , 2016 , 43, 5181	4.4	26
336	Guidelines by the AAPM and GEC-ESTRO on the use of innovative brachytherapy devices and applications: Report of Task Group 167. <i>Medical Physics</i> , 2016 , 43, 3178-3205	4.4	41
335	The report of Task Group 100 of the AAPM: Application of risk analysis methods to radiation therapy quality management. <i>Medical Physics</i> , 2016 , 43, 4209	4.4	216
334	Potential errors in relative dose measurements in kilovoltage photon beams due to polarity effects in plane-parallel ionisation chambers. 2016 , 61, 8395-8407		4
333	Megavoltage quality control, resources and demand: a pragmatic review. 2016 , 89, 20150709		
332	Dosimetric characteristics and day-to-day performance of an amorphous-silicon type electronic portal imaging device. 2016 , 91, 9-14		4
331	Injectable silver nanosensors: in vivo dosimetry for external beam radiotherapy using positron emission tomography. 2016 , 8, 11002-11		5
330	Development of a room laser based real-time alignment monitoring system using an array of photodiodes. 2016 , 32, 1284-1291		1
329	Quality Assurance. 2016 , 267-293		
328	External Beam Dose Calculations. 2016 , 110-122		
327	Evaluation of Multiple-Sampling Function used with a Microtek flatbed scanner for Radiation Dosimetry Calibration of EBT2 Film. 2016 , 832, 179-183		4
326	Is Africa a 'Graveyard' for Linear Accelerators?. 2016 , 28, e179-e183		4
325	Effect of verification imaging on in vivo dosimetry results using Gafchromic EBT3 film. 2016 , 32, 1461-1465		3
324	Monitoring Daily QA 3 constancy for routine quality assurance on linear accelerators. 2016 , 32, 1479-1487		14
323	A dosimetric comparison of copper and Cerrobend electron inserts. 2016 , 17, 245-261		1
322	Shielding design for a Cs-137 rod-type standard point source for well chamber constancy checks. 2016 , 39, 951-956		1
321	A model for preemptive maintenance of medical linear accelerators-predictive maintenance. 2016 , 11, 36		13
320	On beam quality and flatness of radiotherapy megavoltage photon beams. 2016 , 39, 135-45		7

319	Commissioning of a well type chamber for HDR and LDR brachytherapy applications: a review of methodology and outcomes. 2016 , 39, 167-75	5
318	Wiener filter applied with a multi-channel method for EBT2 film dosimetry. 2016 , 33, 1742-1752	
317	Twin machines validation for VMAT treatments using electronic portal-imaging device: a multicenter study. 2016 , 11, 2	1
316	In-Vivo Dosimetry. 2016 , 30-39	1
315	Establishing and Delivering Quality Radiation Therapy in Resource-Constrained Settings: The Story of Botswana. 2016 , 34, 27-35	32
314	A machine learning approach to the accurate prediction of multi-leaf collimator positional errors. 2016 , 61, 2514-31	45
313	Mechanical quality assurance using light field for linear accelerators with camera calibration. 2016 , 32, 398-402	2
312	What can statistical process control show us about ionization chamber stability?. 2016 , 86, 1-7	1
311	Quality Assurance. 2016 , 35-42	
310	The American College of Radiology and the American Brachytherapy Society practice parameter for transperineal permanent brachytherapy of prostate cancer. 2017 , 16, 59-67	20
309	Wearable glass beads for in vivo dosimetry of total skin electron irradiation treatments. 2017 , 140, 314-318	8
308	Prospective Qualitative and Quantitative Analysis of Real-Time Peer Review Quality Assurance Rounds Incorporating Direct Physical Examination for Head and Neck Cancer Radiation Therapy. 2017 , 98, 532-540	39
307	Commissioning of beam shaper applicator for conformal intraoperative electron radiotherapy. 2017 , 123, 69-81	13
306	Computerized System for Safety Verification of External Beam Radiation Therapy Planning. 2017 , 98, 691-698	15
305	A comprehensive and efficient daily quality assurance for PBS proton therapy. 2017 , 62, 1661-1675	26
304	Optimal specifications for beam calibration checks in radiotherapy calculated with gauge repeatability and reproducibility, and sensitivity and specificity studies. 2017 , 3, 015016	
303	Commissioning and quality assurance for VMAT delivery systems: An efficient time-resolved system using real-time EPID imaging. <i>Medical Physics</i> , 2017 , 44, 3909-3922	4-4 7
302	AAPM Medical Physics Practice Guideline 8.a.: Linear accelerator performance tests. 2017 , 18, 23-39	46

301	Development and Analysis of a Novel Parallel Manipulator Used in Four-Dimensional Radiotherapy. 2017 , 9,		
300	Adverse Events Involving Radiation Oncology Medical Devices: Comprehensive Analysis of US Food and Drug Administration Data, 1991 to 2015. 2017 , 97, 18-26		17
299	Multi-institutional comparison of simulated treatment delivery errors in ssIMRT, manually planned VMAT and autoplan-VMAT plans for nasopharyngeal radiotherapy. 2017 , 42, 55-66		13
298	An FMEA evaluation of intensity modulated radiation therapy dose delivery failures at tolerance criteria levels. <i>Medical Physics</i> , 2017 , 44, 5575-5583	4.4	8
297	Procedures for Dosimetric Monitoring of the Radiation Parameters of Clinical Linear Electron Accelerators. 2017 , 60, 382-385		
296	Failure modes and effects analysis for ocular brachytherapy. 2017 , 16, 1265-1279		6
295	Verification of Radiation Isocenter on Linac Beam 6 MV using Computed Radiography. 2017 , 855, 012020		
294	Radiation Therapy Deficiencies Identified During On-Site Dosimetry Visits by the Imaging and Radiation Oncology Core Houston Quality Assurance Center. 2017 , 99, 1094-1100		13
293	A review of nonstandardized applicators digitization in NucletronâHDR procedures. 2017 , 18, 89-96		1
292	Mitigating the Barriers to a Culture of Quality and Safety in Radiation Oncology. 2017 , 29, 676-679		0
291	Study of dosimetric characteristics of a commercial optically stimulated luminescence system. 2017 , 16, 461-475		1
290	Technical Note: Empirical altitude correction factors for well chamber measurements of permanent prostate and breast seed implant sources. <i>Medical Physics</i> , 2017 , 44, 5517-5521	4.4	1
289	Collaboration in Health Care. 2017 , 48, 207-216		92
288	OSL films for in-vivo entrance dose measurements. 2017 , 106, 644-649		9
287	A generic multimodule phantom for testing geometry of a linac c-arm as a part of quality control in radiotherapy. <i>Medical Physics</i> , 2017 , 44, 4989-5000	4.4	5
286	Performance assessment of a programmable five degrees-of-freedom motion platform for quality assurance of motion management techniques in radiotherapy. 2017 , 40, 643-649		6
285	On-site audits to investigate the quality of radiation physics of radiation therapy institutions in the Republic of Korea. 2017 , 40, 110-114		1
284	MRI-Related Geometric Distortions in Stereotactic Radiotherapy Treatment Planning: Evaluation and Dosimetric Impact. 2017 , 16, 1120-1129		32

283 . 2017,

282 In vivo dosimetry with optically stimulated luminescent dosimeters for conformal and intensity-modulated radiation therapy: A 2-year multicenter cohort study. **2017**, 7, e135-e144 9

281 Workflow and Quality Assurance in Altered Fractionation. **2017**, 31-39

280 Clinical Implementation of 3D Printing in the Construction of Patient Specific Bolus for Photon Beam Radiotherapy for Mycosis Fungoides. **2017**, 28, 33 4

279 A brief look at model-based dose calculation principles, practicalities, and promise. **2017**, 9, 79-88 7

278 Independent assessment of source position for gynecological applicator in high-dose-rate brachytherapy. **2017**, 9, 477-486 7

277 Biological X-ray irradiator characterization for use with small animals and cells. **2017**, 50, e5848 7

276 Effect of image registration on 3D absorbed dose calculations in Lu-DOTATOC peptide receptor radionuclide therapy. **2018**, 45, 177-185 7

275 Performance of a PTW 60019 microDiamond detector in a 1.5 T MRI-linac. **2018**, 63, 05NT04 13

274 Technical Note: An efficient daily QA procedure for proton pencil beam scanning. *Medical Physics*, **2018**, 45, 1040-1049 4.4 12

273 Illustrated instructions for mechanical quality assurance of a medical linear accelerator. **2018**, 19, 355-359 2

272 Quantification of beam steering with an ionization chamber array. **2018**, 19, 168-176 7

271 A comparative study of three small-field detectors for patient specific stereotactic arc dosimetry. **2018**, 41, 217-223 5

270 Pre-treatment peer-review: enhancing value through increased efficiency and effectiveness of radiation oncology peer review. **2018**, 7, 97-102 2

269 Development of a portable quality control application using a tablet-type electronic device. *Medical Physics*, **2018**, 45, 1029-1035 4.4

268 Feasibility of an In-House Phantom for Mechanical and Geometrical QA. **2018**, 72, 449-454 1

267 COMP report: CPQR technical quality control guidelines for brachytherapy remote afterloaders. **2018**, 19, 39-43 2

266 Dosimetric effects of saline- versus water-filled balloon applicators for IORT using the model S700 electronic brachytherapy source. **2018**, 17, 500-505 3

265	Evaluation and comparison of second-check monitor unit calculation software with Pinnacle treatment planning system. 2018 , 45, 186-191	3
264	Comparison of measured electron energy spectra for six matched, radiotherapy accelerators. 2018 , 19, 183-192	2
263	Range resolution and reproducibility of a dedicated phantom for proton PBS daily quality assurance. 2018 , 28, 310-317	6
262	COMP report: CPQR technical quality control guidelines for low-dose-rate permanent seed brachytherapy. 2018 , 19, 13-18	
261	Technical Requirements for Lung Cancer Radiotherapy. 2018 , 318-329.e2	1
260	Improving the quality of radiation oncology: 10years' experience of QUATRO audits in the IAEA Europe Region. 2018 , 126, 183-190	11
259	COMP report: CPQR technical quality control guidelines for kilovoltage X ray radiotherapy machines. 2018 , 19, 18-21	5
258	COMP report: CPQR technical quality control guidelines for CT simulators. 2018 , 19, 12-17	2
257	Failure modes and effects analysis of total skin electron irradiation technique. 2018 , 20, 330-365	6
256	Retrospective Validation and Clinical Implementation of Automated Contouring of Organs at Risk in the Head and Neck: A Step Toward Automated Radiation Treatment Planning for Low- and Middle-Income Countries. 2018 , 4, 1-11	16
255	Guideline on Acceptance Test and Commissioning of High-Precision External Radiation Therapy Equipment. 2018 , 29, 123	
254	Three year experience of electronic portal imaging device based daily QA for photon radiation beams. 2018 , 5, 015005	
253	Reliability of the gamma index analysis as a verification method of volumetric modulated arc therapy plans. 2018 , 13, 175	15
252	Utilizing simulated errors in radiotherapy plans to quantify the effectiveness of the physics plan review. <i>Medical Physics</i> , 2018 , 45, 5359-5365	4-4 4
251	Monte Carlo based determination of dose distribution for some patch sources employed for radionuclide skin therapy. 2018 , 41, 853-860	2
250	A Framework for Assumption-Free Assessment of Imperfect Geometry of a Linac C-Arms. 2018 , 28, 1	
249	Operational consistency of medical linear accelerators manufactured and commissioned in series. 2018 , 7, 6-10	3
248	Sensitivity and specificity of time resolved point dose measurements for patient specific quality assurance. 2018 , 63, 145012	

247	Automated source tracking with a pinhole imaging system during high-dose-rate brachytherapy treatment. 2018 , 63, 145002		12
246	COMP report: CPQR technical quality control guidelines for major dosimetry equipment. 2018 , 19, 18-25		
245	COMP Report: CPQR technical quality control guidelines for conventional radiotherapy simulators. 2018 , 19, 13-17		
244	Chasing Zero Harm in Radiation Oncology: Using Pre-treatment Peer Review. 2019 , 9, 302		4
243	Optimizing efficiency and safety in external beam radiotherapy using automated plan check (APC) tool and six sigma methodology. 2019 , 20, 56-64		8
242	Characterization and longitudinal assessment of daily quality assurance for an MR-guided radiotherapy (MRgRT) linac. 2019 , 20, 27-36		11
241	Commissioning and Evaluation of a Third-Party 6 Degrees-of-Freedom Couch Used in Radiotherapy. 2019 , 18, 1533033819870778		1
240	A simulation-based method for evaluating geometric tests of a linac c-arm in quality control in radiotherapy. 2019 , 20, 133-142		2
239	Automated air kerma strength quality assurance of permanent seed implant prostate brachytherapy sources using vendor autoradiographs. 2019 , 18, 539-545		
238	Development and Validation of a Bayesian Network Method to Detect External Beam Radiation Therapy Physician Order Errors. 2019 , 105, 423-431		3
237	Development of a Web-Based Program for Cross-Calibration and Record Management of Radiation Measuring Equipment. 2019 , 30, 59		
236	Deep-learning assisted automatic digitization of interstitial needles in 3D CT image based high dose-rate brachytherapy of gynecological cancer. 2019 , 64, 215003		14
235	Characterization of a prototype rapid kilovoltage x-ray image guidance system designed for a ring shape radiation therapy unit. <i>Medical Physics</i> , 2019 , 46, 1355-1370	4.4	31
234	Comparison of an in-house developed monitor unit double-check program for 3D conformal radiation therapy and treatment planning system verification. 2019 , 18, 251-261		
233	AAPM task group 224: Comprehensive proton therapy machine quality assurance. <i>Medical Physics</i> , 2019 , 46, e678-e705	4.4	43
232	Performance evaluation and secondary monitor unit checkout for a dedicated accelerator in intraoperative electron radiotherapy. 2019 , 163, 11-17		2
231	Commissioning of the Mobius3D independent dose verification system for TomoTherapy. 2019 , 20, 12-20		8
230	Automated Radiotherapy Treatment Planning. 2019 , 29, 209-218		30

229	A six-degree-of-freedom robotic motion system for quality assurance of real-time image-guided radiotherapy. 2019 , 64, 105021		5
228	Technical Note: Assessing the performance of monthly CBCT image quality QA. <i>Medical Physics</i> , 2019 , 46, 2575-2579	4-4	2
227	Distributive quality assurance and delivery of stereotactic ablative radiotherapy treatments amongst beam matched linear accelerators: A feasibility study. 2019 , 20, 99-105		8
226	A preliminary study on a real-time dose monitoring system based on scintillating fibers for brachytherapy. 2019 , 929, 50-56		1
225	GEC-ESTRO ACROP recommendations on calibration and traceability of LE-LDR photon-emitting brachytherapy sources at the hospital level. 2019 , 135, 120-129		3
224	A comprehensive geometric quality assurance framework for preclinical microirradiators. <i>Medical Physics</i> , 2019 , 46, 1840-1851	4-4	4
223	Machine learning for automated quality assurance in radiotherapy: A proof of principle using EPID data description. <i>Medical Physics</i> , 2019 , 46, 1914-1921	4-4	17
222	A Step to In Vivo Dosimetry Using Electronic Portal Imaging Device: Initial Experience. 2019 , 105-114		
221	Basic Therapeutic Medical Physics. 2019 , 33, 915-928		
220	Benchmarking a novel inorganic scintillation detector for applications in radiation therapy. 2019 , 68, 124-131		5
219	Deep-learning-assisted automatic digitization of applicators in 3D CT image-based high-dose-rate brachytherapy of gynecological cancer. 2019 , 18, 841-851		7
218	A dosimetric analysis of proton beam therapy using different snouts. 2019 , 18, 180-185		
217	Cherenkov imaging for linac beam shape analysis as a remote electronic quality assessment verification tool. <i>Medical Physics</i> , 2019 , 46, 811-821	4-4	10
216	Comparing the physical and dosimetric characteristics of cylindrical and beam shaper intraoperative radiotherapy applicators. 2019 , 158, 22-36		4
215	Quality assurance of linear accelerator: a comprehensive system using electronic portal imaging device. 2019 , 18, 138-149		1
214	Dosimetric Characterization of an Inorganic Optical Fiber Sensor for External Beam Radiation Therapy. 2019 , 19, 2140-2147		7
213	Risk analysis of electronic intraoperative radiation therapy for breast cancer. 2019 , 18, 271-276		5
212	Radiation Therapy Quality Assurance Tasks and Tools: The Many Roles of Machine Learning. <i>Medical Physics</i> , 2020 , 47, e168-e177	4-4	23

211	Electronic intracavitary brachytherapy quality management based on risk analysis: The report of AAPM TG 182. <i>Medical Physics</i> , 2020 , 47, e65-e91	4.4	3
210	Monitoring linear accelerators electron beam energy constancy with a 2D ionization chamber array and double-wedge phantom. 2020 , 21, 18-25		3
209	AAPM recommendations on medical physics practices for ocular plaque brachytherapy: Report of task group 221. <i>Medical Physics</i> , 2020 , 47, e92-e124	4.4	15
208	Retrospective study on performance of constancy check device in Linac beam monitoring using Statistical Process Control. 2020 , 25, 91-99		
207	Monte Carlo simulation using PRIMO code as a tool for checking the credibility of commissioning and quality assurance of 6 MV TrueBeam STx varian LINAC. 2020 , 25, 125-132		1
206	Low-dose-rate iodine-125 seed air kerma strength measurement intercomparison. 2020 , 19, 119-125		
205	Comprehensive methodology for commissioning modern 3D-image-based treatment planning systems for high dose rate gynaecological brachytherapy: A review. 2020 , 77, 21-29		2
204	Positional and angular tracking of HDR Ir source for brachytherapy quality assurance using radiochromic film dosimetry. <i>Medical Physics</i> , 2020 , 47, 6122-6139	4.4	2
203	Gantry angle dependent beam control optimization of a traveling wave linear accelerator to improve VMAT delivery. 2020 , 21, 312-321		
202	Feasibility of using a commercial collapsed cone dose engine for 1.5T MR-LINAC online independent dose verification. 2020 , 80, 288-296		6
201	Evaluations of a flat-panel based compact daily quality assurance device for proton pencil beam scanning (PBS) system. 2020 , 80, 243-250		1
200	Audit feasibility for geometric distortion in magnetic resonance imaging for radiotherapy. 2020 , 15, 80-84		1
199	Development and comprehensive commissioning of an automated brachytherapy plan checker. 2020 , 19, 355-361		3
198	The American Brachytherapy society consensus statement for skin brachytherapy. 2020 , 19, 415-426		14
197	Portal dosimetry scripting application programming interface (PDSAPI) for Winston-Lutz test employing ceramic balls. 2020 , 21, 295-303		1
196	Surface brachytherapy: Joint report of the AAPM and the GEC-ESTRO Task Group No. 253. <i>Medical Physics</i> , 2020 , 47, e951-e987	4.4	11
195	Automated and robust beam data validation of a preconfigured ring gantry linear accelerator using a 1D tank with synchronized beam delivery and couch motions. 2020 , 21, 200-207		2
194	Overview of artificial intelligence-based applications in radiotherapy: Recommendations for implementation and quality assurance. 2020 , 153, 55-66		46

193	Comparison of different calculation techniques for absorbed dose assessment in patient specific peptide receptor radionuclide therapy. 2020 , 15, e0236466		4
192	Evaluation of automated pre-treatment and transit in-vivo dosimetry in radiotherapy using empirically determined parameters. 2020 , 16, 113-129		9
191	End-to-end delivery quality assurance of computed tomography-based high-dose-rate brachytherapy using a gel dosimeter. 2020 , 19, 362-371		6
190	POD-DOSI: A dedicated dosimetry system for GammaPod commissioning and quality assurance. <i>Medical Physics</i> , 2020 , 47, 3647-3657	4.4	1
189	Verification of dose distribution in high-dose-rate brachytherapy using a nanoclay-based radio-fluorogenic gel dosimeter. 2020 , 65, 175008		8
188	Development of Volumetric Independent Dose Calculation System for Verification of the Treatment Plan in Image-Guided Adaptive Brachytherapy. 2020 , 10, 609		2
187	A failure modes and effects analysis quality management framework for image-guided small animal irradiators: A change in paradigm for radiation biology. <i>Medical Physics</i> , 2020 , 47, 2013-2022	4.4	1
186	Investigating the potential of conical scintillation detectors for patient-specific verification of intensity-modulated radiotherapy plans. 2020 , 14, 67-73		
185	Constancy checks of HDR well-type ionization chambers in the linac era: Potential use of a Sr source. 2020 , 165, 109309		
184	On the stability of well-type ionization chamber source strength calibration coefficients. <i>Medical Physics</i> , 2020 , 47, 4491-4501	4.4	2
183	Real-time in vivo dosimetry system based on an optical fiber-coupled micro-sized photostimulable phosphor for stereotactic body radiation therapy. <i>Medical Physics</i> , 2020 , 47, 5235-5249	4.4	3
182	Imaging Cherenkov emission for quality assurance of high-dose-rate brachytherapy. 2020 , 10, 3572		6
181	Performance of a linear accelerator couch positioning quality control task using an electronic portal imaging device. 2020 , 13, 195-200		0
180	Strategies for effective physics plan and chart review in radiation therapy: Report of AAPM Task Group 275. <i>Medical Physics</i> , 2020 , 47, e236-e272	4.4	23
179	Evaluation of a new secondary dose calculation software for Gamma Knife radiosurgery. 2020 , 21, 95-102		3
178	3D isocentricity analysis for clinical linear accelerators. <i>Medical Physics</i> , 2020 , 47, 1460-1467	4.4	4
177	It is essential for Medical Physics Radiation Oncology Residents to acquire substantial treatment planning skills. <i>Medical Physics</i> , 2020 , 47, 1413-1416	4.4	
176	Optically stimulated luminescent dosimeters stable response to dose after repeated bleaching. <i>Medical Physics</i> , 2020 , 47, 3191-3203	4.4	2

175 Physics quality assurance. **2021**, 80-105.e2

174 High-Resolution MLC Leaf Position Measurements With a Large Area MAPS. **2021**, 5, 392-397 1

173 Source position measurement by Cherenkov emission imaging from applicators for high-dose-rate brachytherapy. *Medical Physics*, **2021**, 48, 488-499 4.4 1

172 Use of Receiver Operating Curve Analysis and Machine Learning With an Independent Dose Calculation System Reduces the Number of Physical Dose Measurements Required for Patient-Specific Quality Assurance. **2021**, 109, 1086-1095 1

171 Dosimetry audits in Taiwan radiotherapy departments. **2021**, 3, 20210002

170 Assessing the robustness of artificial intelligence powered planning tools in radiotherapy clinical settings-a phantom simulation approach. **2021**, 11, 4835-4846 0

169 A novel constancy check technique for a well type ionisation chamber using a Sr plane-parallel check source. **2021**, 44, 325-330

168 Effect of isocenter deviation on volume modulated arc therapy plan results and gamma passing rate in the treatment of cervical cancer.. **2021**, 10, 4403-4412 0

167 Development and characterization of optical readout well-type glass gas electron multiplier for dose imaging in clinical carbon beams. **2021**, 82, 72-78 0

166 The use of Pantherpix pixel detector in radiotherapy QA. **2021**, 82, 332-340 2

165 In-vivo dose measurements with MOSFET dosimeters during MV portal imaging. **2021**, 26, 93-100

164 Monitoring beam-quality constancy considering uncertainties associated with ionization chambers in Daily QA3 device. **2021**, 16, e0246845

163 Computer automation for physics chart check should be adopted in clinic to replace manual chart checking for radiotherapy. **2021**, 22, 4-8 1

162 Toward automation of initial chart check for photon/electron EBRT: the clinical implementation of new AAPM task group reports and automation techniques. **2021**, 22, 234-245 3

161 A Modular System for Treating Moving Anatomical Targets With Scanned Ion Beams at Multiple Facilities: Pre-Clinical Testing for Quality and Safety of Beam Delivery. **2021**, 11, 620388 4

160 Technical Note: An alternative approach to verify 6FFF beam dosimetry for Ethos and MR Linac without using a 3D water tank. *Medical Physics*, **2021**, 48, 1533-1539 4.4 1

159 Report of Task Group 201 of the American Association of Physicists in Medicine: Quality management of external beam therapy data transfer. *Medical Physics*, **2021**, 48, e86-e114 4.4 1

158 First clinical implementation of GammaTile permanent brain implants after FDA clearance. **2021**, 20, 673-685 10

157	Delta Discover transmission detector: A comprehensive characterization for in-vivo VMAT monitoring. 2021 , 85, 15-23		1
156	AAPM Task Group 198 Report: An implementation guide for TG 142 quality assurance of medical accelerators. <i>Medical Physics</i> , 2021 , 48, e830-e885	4-4	7
155	8+ Year Performance of the Gamma Knife Perfexion/Icon Patient Positioning System and Possibilities for Preemptive Fault Detection Using Statistical Process Control. <i>Medical Physics</i> , 2021 , 48, 3425-3437	4-4	2
154	Evaluation of Given Dose Accuracy in Radiation Therapy of Patient with Breast Cancer Using Diode In-vivo Dosimetry. 2021 , 14,		0
153	Stereotactic radiosurgery commissioning and QA test cases-A TG-119 approach for Stereotactic radiosurgery. <i>Medical Physics</i> , 2021 ,	4-4	0
152	Implementation of a real-time, ultrasound-guided prostate HDR brachytherapy program. 2021 , 22, 189-214		1
151	Occupational Radiological Protection in Brachytherapy. 2021 , 50, 5-75		
150	Correlation between the passing rates of IMRT plans and the volumes of air cavities and bony structures in head and neck cancer. 2021 , 16, 134		0
149	Tissue-equivalent materials used to develop phantoms in radiation dosimetry: A review. 2021 , 47, 7170-7170		
148	An adaptive method for recalibrating Gafchromic EBT3 film. 2021 , 1007, 165435		1
147	Analysis of the technical and dosimetric characteristics of the brachytherapy afterloaders. Ring applicator. 2021 , 19, 13-20		
146	Medical Physics Practice Guideline (MPPG) 11.a: Plan and chart review in external beam radiotherapy and brachytherapy. 2021 , 22, 4-19		3
145	3D printed brachytherapy jig for Reference Air Kerma Rate calibration. 2021 , 1		
144	Extension and validation of a GPU-Monte Carlo dose engine gDPM for 1.5 T MR-LINAC online independent dose verification. <i>Medical Physics</i> , 2021 , 48, 6174-6183	4-4	0
143	Technical Note: A simple and fast daily quality assurance solution for modulated scanning proton and carbon ion beams. <i>Medical Physics</i> , 2021 , 48, 5684-5693	4-4	0
142	Effect of well chamber altitude pressure corrections for cesium Blu Cs and CivaDot Pd brachytherapy sources. <i>Medical Physics</i> , 2021 , 48, 5584-5592	4-4	
141	A Safe and Practical Cycle for Team-Based Development and Implementation of In-House Clinical Software.. 2022 , 7, 100768		
140	Quality assurance tool for determination of position and transit time of a Co-60 source in high dose rate brachytherapy. 2021 , 178, 109971		

139	Calibration of the EBT3 Gafchromic Film Using HNN Deep Learning. 2021 , 2021, 8838401		
138	Modeling for Missing Tissue Compensator Fabrication Using RFID Tag in U-Health. 2006 , 463-471		2
137	QA-QC of IMRT: American Perspective. 2006 , 129-141		0
136	Radiation Therapy for Cervical Cancer. 2006 , 579-598		1
135	HDR-IORT: Physics and Techniques. 2011 , 73-84		2
134	Linac-Based Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy. 2018 , 639-663		2
133	Image-Guided Radiation Therapy. 2017 , 131-173		1
132	Radiotherapy Quality Assurance Using Statistical Process Control. 2019 , 437-442		2
131	A quality assurance program for clinical PDT. 2018 , 10476,		1
130	The management of respiratory motion in radiation oncology report of AAPM Task Group 76a). <i>Medical Physics</i> , 2006 , 33, 3874-3900	4.4	2
129	Patient-specific daily pretreatment setup protocol using electronic portal imaging for radiation therapy. 2005 , 6, 1-13		4
128	On the Use of Optically Stimulated Luminescent Dosimeter for Surface Dose Measurement during Radiotherapy. 2015 , 10, e0128544		25
127	Quality control test for electronic portal imaging device using QC-3 phantom with PIPSPRO. 2014 , 2, 02049		3
126	Medical physics aspects of cancer care in the Asia Pacific region. 2008 , 4, e33		12
125	Open beam dosimetric characteristics of True Beam medical linear accelerator with flattening filter (WFF) and flattening filter free (FFF) beam. 2018 , 24, 79-89		1
124	External Auditing on Absorbed Dose Using a Solid Water Phantom for Domestic Radiotherapy Facilities. 2010 , 28, 50		3
123	New methods for optical distance indicator and gantry angle quality control tests in medical linear accelerators: image processing by using a 3D phantom. 2015 , 33, 42-9		4
122	Results of 1 year of clinical experience with independent dose calculation software for VMAT fields. 2014 , 39, 219-24		4

121	Dosimetric and QA aspects of Konrad inverse planning system for commissioning intensity-modulated radiation therapy. 2007 , 32, 51-5	1
120	Verification of setup errors in external beam radiation therapy using electronic portal imaging. 2008 , 33, 49-53	8
119	Commissioning and quality assurance of the X-ray volume Imaging system of an image-guided radiotherapy capable linear accelerator. 2008 , 33, 72-7	3
118	First year experience with newly developed Leksell Gamma Knife Perfexion. 2009 , 34, 141-8	18
117	Dose-volume histogram quality assurance for linac-based treatment planning systems. 2010 , 35, 197-201	3
116	Calibration of Gafchromic EBT Film Using the Microtek ScanMaker 9800XL Plus Flatbed Scanner with a Modified One Red-Channel after Three-Channel Method. 2019 , 44, 207-212	3
115	Evaluating the Impact of Various Parameters on the Gamma Index Values of 2D Diode Array in IMRT Verification. 2018 , 8, 31-38	1
114	What Do We Mean When We Talk about the Linac Isocenter?. 2015 , 04, 233-242	3
113	A Quality Assurance Approach for Linear Accelerator Mechanical Isocenters with Portal Images. 2018 , 07, 100-114	1
112	Development of computerized patient setup verification and correction system in radiotherapy. 2005 , 61, 1689-99	4
111	Monitor Unit Calculation for Intensity Modulated Photon Field. 2000 , 374-376	
110	Verificaçã do fator de calibraçã e indicador da qualidade do feixe de aceleradores lineares. 2001 , 34, 273-279	1
109	[Usefulness of a dose distribution analysis system with a common scanner]. 2002 , 58, 833-9	0
108	Principles of Physics of External Beam Radiotherapy. 2003 , 63-80	
107	Irradiated Products. 2004 , 101-112	
106	[Quality assurance and quality control for radiation treatment planning systems]. 2004 , 60, 607-16	
105	[Quality assurance of external beam radiation therapy equipment]. 2004 , 60, 601-6	
104	Development of a semi-automated superimposing image verification system using a template matching algorithm in radiotherapy. 2005 , 61, 1681-8	1

103 Novalis. **2005**, 19-70

102 Cálculo independente de dose para tratamentos de arco dinâmico com colimador micromultifilinas. **2006**, 39, 355-359

101 Radiation Oncology. **2008**, 501-529

1

100 Technical aspects of quality assurance in radiation oncology. **2008**, 4, e48

99 [Clinical implementation of 4 MV X-ray cone beam CT from a graphite target]. **2009**, 65, 851-5

0

98 An Efficient Correction Process of CT-Simulator Couch with Current Diagnostic CT Scanners. **2009**, 9, 254-261

97 Imaging in Radiation Oncology * *This chapter is an update and expansion of material presented in the first edition by C.C. Ling, R. Mohan, L.E. Reinstein, and L.N. Rothenberg, and in the second edition by the current authors.. **2010**, 120-154

96 [QA/QC for treatment planning system: practical approach]. **2011**, 67, 1342-8

95 [Quality assurance for high dose rate brachytherapy equipment - practice and agenda -]. **2011**, 67, 945-52

94 Considerations for an Effective Quality Assurance Program for Proton Therapy. **2012**, 471-485

93 Quality Assurance and Commissioning. **2011**, 221-264

92 Elements of radiotherapy physics. **2012**, 53-87

91 On the Frontiers of Radiation & BNCT Cancer Therapy and Medical Physicists Training (3). **2012**, 54, 667-671

1

90 [Role and responsibility of radiotherapy quality manager]. **2012**, 68, 343-6

89 Wiener Filter Used in the EBT2 Film for Radiation Therapy. 213-216

1

88 A Survey of Quality Control Measurement for the High Energy X-ray Machines : Evaluation of the Absorbed Dose through Multiple Department's Visits. **1998**, 54, 1322-1335

87 Analysis of Verification Image Using Electronic Portal Imaging Devices (EPID). **1999**, 55, 500-506

86 Stereotactic Body Radiation Therapy Systems. **2015**, 27-43

1

- 85 Verification of Target Localization. **2015**, 131-139
- 84 Medical physics aspects in accreditation of radiation oncology practice. **2016**, 41, 157-61 ○
- 83 A Sensitivity Dosimetry Study of the Setup Uncertainties during Machine Commissioning and Annual QA. **2016**, 05, 329-347
- 82 On-line estimations of delivered radiation doses in three-dimensional conformal radiotherapy treatments of carcinoma uterine cervix patients in linear accelerator. **2016**, 41, 224-233 1
- 81 Evaluated Absorbed Dose According to Prescribed Dose and Therapeutic Technique in Radiation Therapy. **2016**, 10, 469-476
- 80 A method for confirming a third-party assay of I-125 seeds used for prostate implants. **2017**, 18, 53-58
- 79 The Impact of Dose Rate on the Accuracy of Step-and-Shoot Intensity-modulated Radiation Therapy Quality Assurance Using Varian 2300CD. **2017**, 42, 206-212 1
- 78 Quality Assurance in Brachytherapy. **2017**, 99-116
- 77 Prospective Study of Infrared-Guided Patient Setup for Fractionated Thoracic Radiation. **2017**, 06, 313-322
- 76 Evaluation of the Type and Frequency of Errors Discovered During Routine Secondary Patient Chart Review. **2017**, 6, 19-24
- 75 Machine-Specific Magnetic Resonance Imaging Quality Control Procedures for Stereotactic Radiosurgery Treatment Planning. **2017**, 9, e1957 4
- 74 The Physics of Hypofractionation and SRS/SBRT. **2018**, 33-59
- 73 A Novel Method to Verify Gamma Knife Radioactive Source Count. **2018**, 09, 154-160
- 72 [6. Acquisition of Beam Data in Radiation Treatment System and Determination of Baseline Data]. **2019**, 75, 80-88
- 71 [7. Installation and Acceptance Testing for Radiotherapy Treatment Planning Systems]. **2019**, 75, 201-210
- 70 A Model for Secondary Monitor Unit Calculations of PBS Proton Therapy Treatment Plans. **2019**, 5, 5-10
- 69 Lineer Hızlandırıcı Cihazında (Linak) Alınan Röntgen Doz Ölçmelerinde ± 3 mm Geometrik Hataların Yüksek Derin Doz (%DD) ve İki Profil (IP) Parametreleri Üzerine Etkisi. 239-247
- 68 Auto-Trending daily quality assurance program for a pencil beam scanning proton system aligned with TG 224. **2021**, 22, 117-127 ○

67	Dose assessment in high dose rate brachytherapy with cobalt-60 source for cervical cancer treatment: a phantom study. 2020 , 26, 243-250		
66	Yüksek Doz Hızlı Brakiterapi Cihazların Kalite Kontrol Testlerinde 2D-Array İyon Odası Sisteminin Kullanılabilirliği Dozimetrik Fizibilite Çalışması		
65	Control of spectral characteristics of the medical accelerator on the basis of comparison of mass weakening coefficients of different materials. 2021 , 29, 9-21		
64	Quality Management in Radiotherapy. 2006 , 425-447		
63	Intensity-Modulated Radiation Therapy. 2006 , 203-231		
62	Clinical Applications of Low Dose Rate and Medium Dose Rate Brachytherapy. 2006 , 309-378		
61	A quality assurance program for the On-Board Imager . 2007 , 1793-1796		1
60	Analysis of Routine QA Testing for Conventional Simulators. 2007 , 2037-2039		
59	Clinical Evaluation of a Two-dimensional Liquid-Filled Ion chamber Detector Array for Verification of High Modulation Small Fields in Radiotherapy. 2019 , 44, 91-98		1
58	The value of on-site proton audits. 2021 ,		0
57	Performance evaluation of lead-monoxide dosimeter with parylene coating for quality assurance of brachytherapy devices. 2021 , 16, P11017		
56	Practical Guidelines on Implementing Hypofractionated Radiotherapy for Prostate Cancer in Africa.. 2021 , 11, 725103		1
55	A customizable anthropomorphic phantom for dosimetric verification of 3D-printed lung, tissue, and bone density materials. <i>Medical Physics</i> , 2021 , 49, 52	4.4	2
54	Automated Linac QA Using Scripting and Varian Developer Mode. 2021 , 10, 149-168		
53	RSC: Dosimetry in high-dose-rate brachytherapy with a radio-fluorogenic gel dosimeter. 2022 , 2167, 012032		0
52	Improving the Quality of Care in Radiation Oncology using Artificial Intelligence. 2021 ,		0
51	Independent Dose Calculation when External Radiotherapy Cancer Patient Planning. 2022 , 92, 32-38		
50	Correlation of treatment time to target volume for GammaPod treatments: A simple second calculation.. 2022 , e13524		1

- 49 Feasibility of output quality assurance considering gantry angle using "Stealth Chamber" **2021**, 27, 299-302 ○
- 48 Development of spreadsheet for rapid assessment of therapeutic radiation dose delivery with electron and photon beams at various energies. **2022**, 13, 8-12
- 47 Development of an independent MU calculation software for radiotherapy treatments with stereotactic cones.. **2022**, e13542 1
- 46 Commissioning a secondary dose calculation software for a 0.35 T MR-linac.. **2022**, e13452 1
- 45 Technical note: Analysis of brachytherapy source movement by high-speed camera.. *Medical Physics*, **2022**, 4-4 2
- 44 Longitudinal assessment of quality assurance measurements in a 1.5 T MR-linac: Part II-Magnetic resonance imaging.. **2022**, e13586
- 43 Quality management in radiotherapy treatment delivery.. **2022**, 66, 279-290 2
- 42 On the potential of 2D ion chamber arrays for high-dose rate remote afterloading brachytherapy quality assurance.. **2022**, 1
- 41 Elekta Synergy Platform Lineer Hızlandırıcı Cihazında On yıl periyod için Foton Yüze Derin Doz ve İki Profil Parametrelerinin Değerlendirilmesi. 173-178
- 40 Application of Deep-Learning Based Monte Carlo Denoising for Fast Radiation Treatment Dose Calculations. **2021**,
- 39 Minimal late radiation toxicity and transient early toxicity following postoperative definitive intent conformal radiation therapy (20 T.5 Gy) for canine apocrine gland anal sac adenocarcinoma.. **2021**, ○
- 38 [1. Considerations for Radiation Therapy Planning from Plan/Chart Check].. **2022**, 78, 401-411
- 37 <Editors' Choice> Evaluation of system-related magnetic resonance imaging geometric distortion in radiation therapy treatment planning: two approaches and effectiveness of three-dimensional distortion correction.. **2022**, 84, 29-41 ○
- 36 Simple Automated Verification of Field Size Indicator for Quality Assurance of Medical Linear Accelerator. **2022**, 55-60
- 35 Prospective clinical validation of virtual patient-specific quality assurance of VMAT radiation therapy plans.. **2022**, ○
- 34 Virtual patient-specific QA with DVH-based metrics.. **2022**, e13639 ○
- 33 ACR-ABS-ASTRO Practice Parameter for Transperineal Permanent Brachytherapy of Prostate Cancer.. **2022**, 45, 249-257 ○
- 32 2. Considerations for Radiation Treatment Planning from Medical Accelerators. **2022**, 78, 526-530

31	AAPM Task Group Report 303 endorsed by the ABS: MRI Implementation in HDR Brachytherapy—Considerations from Simulation to Treatment. <i>Medical Physics</i> ,	4-4
30	Dosimetric Impacts of Source Migration, Radioisotope Type, and Decay with Permanent Implantable Collagen Tile Brachytherapy for Brain Tumors. 2022 , 21, 153303382211068	○
29	Development of light and radiation fields coincidence test toolkit for LINAC quality assurance.	
28	Measured, calculated, and egs_brachy I-125 dose distributions in a gold plaque for retinoblastoma treatment. <i>Medical Physics</i> ,	4-4
27	Clinical Commissioning and Dosimetric Verification of the Raystation Treatment Planning System. 2021 , 114-119	
26	Development of a vendor neutral MRI distortion quality assurance workflow.	
25	Feasibility of a quality assurance system for electromagnetic field therapy.	
24	Novel angular evaluation method for radiation field using Lie derivative.	
23	AAPM WGTG51 Report 374: Guidance for TG-51 reference dosimetry.	1
22	Installation, commissioning, and performance evaluation of Bhabhatron-II TAW —An Indian-made telecobalt unit. 2020 , 1, 38	○
21	Verification of dose distribution in high dose-rate brachytherapy for cervical cancer using a normoxic N-vinylpyrrolidone polymer gel dosimeter.	○
20	GEC-ESTRO ACROP Recommendations on Calibration and Traceability of HE HDR-PDR Photon-Emitting Brachytherapy Sources at the Hospital Level. 2022 ,	○
19	Method for assessing the accuracy of source positioning during brachytherapy. 2022 , 67, 324-331	○
18	In Vivo Dosimetry for Superficial High Dose Rate Brachytherapy with Optically Stimulated Luminescence Dosimeters: A Comparison Study with Metal-Oxide-Semiconductor Field-Effect Transistors. 2022 , 2, 338-356	○
17	Dosimetric impact of mechanical movements of the Linac gantry during treatments with small fields. 12,	○
16	Machine QA, Commissioning, and Calibration. 2022 , 69-74	○
15	Brachytherapy. 2022 , 21-31	○
14	Development of optical sensor system and hardware base frame for checking the light and radiation fields of a linear accelerator. 2022 , 17, P11038	○

- 13 Performance of the HYPERSCINT scintillation dosimetry research platform for the 1.5 T MR-linac. ○
- 12 Validation of an EGSnrc-based Monte Carlo model for a complex 2D-array for technical QA measurements of a linear accelerator. ○
- 11 Risk and Quality in Brachytherapy from a Technical Perspective. **2023**, ○
- 10 Metrological Concepts for Ionizing Radiation in Medical Applications. **2023**, 1-27 ○
- 9 Implementation of Sphinx/Lynx as daily QA equipment for scanned proton and carbon ion beams. ○
- 8 An ESTRO-ACROP guideline on quality assurance and medical physics commissioning of online MRI guided radiotherapy systems based on a consensus expert opinion. **2023**, 181, 109504 ○
- 7 AAPM medical physics practice guideline 13.a: HDR brachytherapy, part A. **2023**, 24, ○
- 6 Selective de-implementation of routine in vivo dosimetry. ○
- 5 AAPM task group report 275.S: Survey strategy and results on plan review and chart check practices in US and Canada. **2023**, 24, ○
- 4 Investigation of Radiochromic Film Use for Source Position Verification through a LINAC On-Board Imager (OBI). **2023**, 59, 628 ○
- 3 Use of Thermoluminescence Dosimetry for QA in High-Dose-Rate Skin Surface Brachytherapy with Custom-Flap Applicator. **2023**, 23, 3592 ○
- 2 Three-dimensional semiconductor detector array ArcCHECK for radiation detection and quality assurance of medical linear acceleration. ○
- 1 A deep-learning-based dose verification tool utilizing fluence maps for a cobalt-60 compensator-based intensity-modulated radiation therapy system. **2023**, 100440 ○