[General Session]

April 10(Thu) PACIFICO YOKOHAMA Conference Center 418

1. Radia	tion Therapy 1 (Photon/Electron)	13:00–14:00	Moderator: Sa	toru Utsunomiya
0-001	Analysis of the influence for dose distribution of Target	position variation d	uring prostate IMR	Γ
		Hirosl	hima Univ. Hosp.	Shintaro Tsuda
0-002	Impact of two systematic position error models on dose		_	
0 00-	impact of two systematic position error models on dose		ushu Univ. Hosp.	Taka-aki Hirose
0-003	Influence on the DVHs of target and organs accompany	•	_	
0 000	radiotherapy for prostate cancer	ing pitch, ron, and y	aw variations in mu	clisity illodulated
	radiotherapy for prostate cancer	N		W ' 01 1'
0.004				Kuniyasu Okudaira
0-004	Development of a DVH analysis program for supporting		-	
			ajita Health Univ.	Yumiko Adachi
0-005	Accuracy of dose calculation algorithms for intensity-m	nodulated radiothera	py in head and neck	
			Kumamoto Univ.	Ryota Onizuka
0-006	Evaluation of extra-pelvic organ doses in radiotherapy of	of uterine cervical ca	ancer	
			NIRS	Kuniaki Nabatame
2. Radia	tion Therapy 2 (Photon/Electron)	14:10–15:10	Moderator:	Naoki Miyamoto
0-007	Estimation of 3D target positions using implanted fiduc	ial markers		
0 001	Estimation of 3D target positions using implanted nate	iai markers	Kyoto Univ. N	Mitsuhiro Nakamura
0-008	Fassibility of Dynamia Tracking Irradiation with Single	Dodionogua Marka	•	misumio ivakamura
0-000	Feasibility of Dynamic Tracking Irradiation with Single	e Kadiopaque Marke		M
0.000	Towns of a Constitute and a second se		•	Masanori Takamiya
0-009	Impact of respiratory signal exceeding range of correlat dynamic tumor tracking	non moder on predic	tive accuracy in init	ared-marker-based
		Biomedical Research	ch and Innovation	Hiroaki Tanabe
0-010				
0-010	Development of hybrid dynamic tumor tracking irradiat	-	-	•
0.044		Biomedical Research		Masaki Sueoka
0-011	Development of motion tracking verification system for	CyberKnife using s		
			Osaka Univ.	Iori Sumida
0-012	Acceptance and Commissioning Procedures for the Nex	tt Generation Real-ti	_	•
			Hokkaido Univ.	Masayori Ishikawa
3. Radia	tion Therapy 3 (Photon/Electron)	15:20–16:10	Moderator:	Takashi Kodama
0-013	Quality Assurance of 320MSCT for treatment planning			
		Yoko	ohama City Univ.	Motoki Kumagai
0-014	Calculation of dose distribution in radiotherapy by conv	version of energy sub	otracted CT number	to electron density
	with dual energy CT			
			Niigata Univ. M	Iasayoshi Tsukihara
0-015	A basic study of 3D linear attenuation coefficient recons	struction by MVCB	-	J
	and the state of t		Kyorin Univ.	Takeshi Sakamoto
0-016	Evaluation of dose calculation and plan optimization on	kilo-voltage conc b	•	
0-010	Evaluation of dose calculation and plan optimization of	_		Akihiro Nomoto
0.047	Description wine MVCT in Terms HD	UIIIV	of Tokyo Hosp.	AKIIIIO INOIIIOIO
0-017	Dose evaluation using MVCT in Tomo HD		T1 **	3.6 11 77
			Edogawa Hosp.	Masahiro Uematsu

4. Radia	tion Therapy 4 (Photon/Electron)	16:20–17:10	Moderator: M	itsuhiro Nakamura
0-018	Development of a dynamic phantom for quality con-	trol in 4D radiotherapy		
			Hokkaido Univ.	Naoki Miyamoto
0-019	The trial of the respiratory surrogate waveform acquimicrocontroller	isition by the pressure i	measurement which	ch uses a
			Kitasato Univ.	Takahiro Shimo
0-020	Appropriate CT image for radiotherapy planning of	moving lung nodule		
			Niigata Univ.	Masato Yamaki
0-021	Impact of different four-dimensional CT scan method	ods for tumor with irreg	ular respiratory m	otion
		National Cancer C	enter Hosp. East	Hidenobu Tachibana
0-022	An effect of the data acquisition conditions for the nkilo-voltage-CBCT.	noving tumor affecting	to the reconstructi	on image with the
			Juntendo Univ.	Keisuke Usui
5. Radia	tion Therapy 5 (Photon/Electron)	17:20–18:00	Moderator:	Hiroyuki Okamoto
0-023	Estimation of cell surviving fraction after radiation of time	exposure considering th	e repair of lesions	during dose-delivery
			Hokkaido Univ.	Yusuke Matsuya
0-024	Preliminary study for prediction of survival time after and DVH features	er radiotherapy for high	-grade glioma pat	ients based on clinical
		The Univ	v. of Tokyo Hosp.	Taiki Magome
0-025	Essentiality in actual tumor growth based on cell cu	lture		
			Mizuhodai Clinic	Atsuo Akanuma
0-026	Development of the focal spot position device for a	medical linear accelerat	or	
		Okinawa Nanbu T	Γokushukai Hosp.	Shigeo Anai
*	: exhibition			

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6. Radia	tion Therapy 1 (Heavy Particle)	13:00–14:10	Moderator:	Shinichi Minohara
0-027	Dose linearity in respiratory-gated proton therapy			
		National Cancer Co	enter Hosp. East	Hiroyuki Asai
0-028	Monitor-unit derivation for another treatment room of br	oad beam therapy at	HIMAC	
			NIRS	Manabu Mizota
0-029	Study for longitude position dependence to CT-value in 3			
0.000		Tokyo Me	tropolitan Univ.	Ryuta Hirai
0-030	QA for range-compensator by using CT		M 11 1 G	77 1 77 . 11
0-031	Deal notice to date have decreased experience of LV and Market	Hyogo Ion Beam		
0-031	Real patient data based cross verification of kV and Meg	-	gers Univ., USA	
0-032	Development of a new range compensator by using a 3D	_	gers Oniv., OSA	Sine Mismoka
0 002	Development of a new range compensator by using a 3D	-	ic Corporation	Tomohiro Nishimura
0-033	Making the anthropomorphic phantom with 3D printer	Wittsubishi Electi	ie corporation	Tomomio Tusiimiara
	making the anthropomorphic phanton with 32 printer	Nagova Proton	Therapy Center	Chihiro Omachi
7. Radia	tion Therapy 2 (Heavy Particle)	14:20-15:20	Moderato	r: Ryosuke Kohno
0-034	Current QA repot of SAGA HIMAT			
	SAGA HIMAT-Hea	avy Ion Cancer Treat	ment Center Y	oshikazu Tsunashima
0-035	Validation of Beam Performance of the New Spot-Scann	-		•
			Hokkaido Univ.	Hideaki Nihongi
0-036	Clinical Commissioning of Hokkaido University Hospita			
0.007			ido Univ. Hosp.	Chie Toramatsu
0-037	Quality assurance of the patching and matching techniqu		TEI C	m 1 11 - 77 -
0-038		hern Tohoku Proton	Therapy Center	Takahiro Kato
0-030	Clinical commissioning of spot scanning proton beam	Nagova Proton	Therapy Center	Keisuke Yasui
0-039	Preparation of the Layer-Stacking Conformal Irradiation			
0 000	Center	System in Takai Tie	recturar frospita	u, 110ton Therapy
	Control	Fukui P	refectural Hosp.	Makoto Sasaki
			1	
8. Radia	tion Therapy 3 (Heavy Particle)	15:30-16:40	Modera	tor: Hiroki Tanaka
0-040	OpenPET project: a proof-of-concept of a novel transform	mable geometry		
			NIRS	
0-041	A washout study of ¹¹ C in rat brain irradiation using Ope	nPET: Comparison of	of washout rate b	between stress and
	rest			
0.040		,	NIRS	•
0-042	Study of Dose delivered Tumor Damage Monitoring syst	_		
0-043	Definement of redienuelide generation simulation with	National Cancer Co	-	•
0-043	Refinement of radionuclide generation simulation using a	Anusymmeutzea Mo	Osaka Univ.	
0-044	Measurement of the production cross-section in fragmen	tation reaction for pr		wiasaani Tanasiiilla
5 077	reasonable of the production cross-section in fragmen	action reaction for pr	Rikkyo Univ.	Keiichiro Matsushita
			Linky O Om V.	1101110 Managama

0.046	Wideling	The	Univ. of Tokyo	Sodai Tanaka
0-046	Withdrawn			
9. Radia	tion Protection 1	16:50-17:30	Mode	erator: Kenji Sato
0-047	Estimation of Benefit/Risk for Lung Cancer Screening	by CT in Japan		
			NIRS	Takeshi Iinuma
0-048	Development of an x-ray eye lens dose monitoring syst	tem using the Kinect se	nsor system	
			Kyushu Univ.	Shusaku Sato
0-049	Radiation exposure evaluation in X-ray fluoroscopy for	r respiratory gating syst	tem	
			NIRS	Minoru Nakao
0-050	Examination of radiation shielding calculation by 15M	•		
		Toho Univ. Sakura	Medical Center	Teruo Ito
10. Radi	ation Protection 2	17:30–18:20	Moderator:	Akira Maruhashi
0-051	Demonstration Study Report for the Decontamination of	of Radioactive Cesium	in Forest of Fukt	ıshima
		Junshir	Gakuen Univ.	Shoichi Arai
0-052	Decontamination of the radioactive contaminated water	r by the osmosis adheri	ng method using	macromolecule
	polymer			
		Tokyo Met	ropolitan Univ.	Hiroki Ohtani
0-053	Research on exposure dose of people working in litate	Village		
		Tokyo	Univ. of Hosp.	Akira Sakumi
0-054	Variation of radiation dose rate in Katsushika at fixed p	points.		
	Intern	national Univ. of Health	h and Welfare	Tadamasa Nobesawa

Chuoh College of Medical Technology

Shinichi Kato

0-045 Study of proton CT imaging

0-055 Constancy test of gamma-ray dose rate detectors

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11. Radi	ation Therapy 6 (Photon/Electron)	9:00-9:50	Moderato	r: Hiroshi Oguchi
0-056	Examination about a mutual calibration using the elec		ot fill R50>gcm-2 tural Isawa Hosp.	Koji Ishita
0-057	Development of an easy-to-handle dose measurement est of data reproducibility			•
0-058	Development of an easy-to-handle dose measuremen comparison with dose distribution	t tool with a Plastic Sci	Kitasato Univ.	Masato Tsuneda on beam therapy: a
0-059	Evaluation of dose distributions in the vicinity of high	h atomic number mater	Kitasato Univ.	Yuki Aono
0-060	Study of Multi-field irradiation by High-energy electrons	ron beam	etropolitan Univ. Hiroshima Univ.	Norifumi Mizuno Tatsuhiko Suzuki
12 Radi	ation Therapy 7 (Photon/Electron)	10:00–10:50		itor: Akihiro Haga
12. naui	ation Therapy / (Filoton/ Electron)	10.00-10.50	Modera	itor. Akiriiro maga
0-061	Dosimetric impact of MLC parameters on IMRT trea	tment plans		
0.060	Towns of the Conflict Annual Conflict		Niigata Univ.	Naoki Shibuya
0-062	Investigation of radiophotoluminescence glass dosim Tokyo Metropolitan Cancer and Infect			
0-063	A survey towards standardization of dosimetric verifi		dulated radiation th	•
0-064	A Study on the collimator angle in prostate VMAT			
0.005			hiba Univ. Hosp.	Yukinao Abe
0-065	Evaluation of inherent dose-uncertainty for VMAT u	sing a dose-uncertainty	model Juntendo Univ.	Tatsuya Inoue
13. Radi	ation Therapy 8 (Photon/Electron)	14:40–15:50	Moderator: M	lasahiko Kurooka
0-066	Evaluation of image position shift due to sagging of 0	•	ottori Univ. Hosp.	Yasushi Ono
0-067	Improvement of EPID images by Compton scattering	g correction using the th	_	
0-068	Clinical Evaluation of PTV margin in case of IGRT f		py ealth Univ. Hosp.	Yasunori Saito
0-069	Multi Threads Calculation for the Radiation Therapy		•	
0-070	Evaluation of positioning accuracy of stereotactic boolimages	•	ima IGRT Clinic r liver tumor by us	Hiroya Shiomi ing contrast MRI
0-071	Possibility of exposure dose reduction of CBCT in ar reduction filters		ma Heiwa Clinic setup system by us	Kengo Furukawa sing various noise
0-072	Full FOV reconstruction of cone-beam CT acquired by	by asymmetrically-loca	Kyushu Univ. ted flat-panel detec Univ. of Tokyo	Hidemi Kamezawa etor Masahiro Nakano

14. Radi	ation Therapy 9 (Photon/Electron)	16:00-17:00	Modera	ator: Satoshi Kito
0-073	Evaluation of the automatic segmentation of the pel	vic CT image using two	different algorithn	ns
			Tohoku Univ.	Yoshitomo Abe
0-074	A Study of Efficient Use for Radiation Treatment P	lanning System equipped	d with Auto-Segme	entation
		Miya	ngi Cancer Center	Akira Ito
0-075	Investigation of the most suitable dose calculation (CT image in Adaptive Ra	adiotherapy	
			Tohoku Univ.	Mizuki Chiba
0-076	Relationship in the accuracy between a deformable	image registration and it	s dose warping in	lung cancer
			Komazawa Univ.	Shunsuke Moriya
0-077	Evaluation of 4D-CT Pulmonary Ventilation Imagin	ng for Ventilation-guide	d Radiotherapy	
			Tohoku Univ.	Takayuki Kanai
0-078	Statistical CTV model based on distance images for	prostate cancer radiatio		
			Kyushu Univ.	Yusuke Shibayama
15. Radi	ation Therapy 10 (Photon/Electron)	17:00–17:50	Moderator: Sh	impei Hashimoto
0-079	Analysis of calculation data at MU Value of the rad	iation therapy		
		Saitan	na Medical Univ.	Munefumi Shimbo
0-080	Design and development of CT-based independent	dose (monitor unit) calcu	ulation for convent	ional, IMRT and
	VMAT plans			
		National Cancer Co	enter Hosp. East	Hidenobu Tachibana
0-081	Comparison on virtual wedge of radiation treatment	t planning system and me	easurements	
		Tokyo Metropol	itan Police Hosp.	Yoshinori Ohta
0-082	Characteristic of "PTW microDiamond Detector (60	0019)" in Photon Beam	Dosimetry.	
		Asahikawa Med	dical Univ. Hosp.	Hiroki Yamada
0-083	Absorbed dose to water calibration for a 3D dose ve	erification system		
		Tokyo M	letropolitan Univ.	Kensuke Tani

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16. Radiation Therapy (Brachytherapy) 9:00-9:40 Moderator: Yu Kumazaki 0-084 Development of strength evaluation method of moving sources for brachytherapy (4) Separation from diagnostic X Sapporo Medical Univ. Kenichi Tanaka 0-085 A study of source position measurement for RALS using Imaging Plate Kyorin Univ. Hosp. Takahiro Arai 0-086 Dose distribution of ¹⁹²Ir brachytherapy sources using PHITS Monte Carlo code Sakito Fukumoto Kumamoto Univ. 0-087 Investigation of variation of dose distribution in inhomogeneous phantom for intracavitary brachytherapy with HDR 192 Ir using Monte Carlo simulation Kyushu Univ. Nguyen Tran 17. Nuclear Medicine 9:50-10:50 Moderator: Keisuke Tsuda **0-088** Performance Evaluation of the PET/CT and PET/MRI according to NEMA2007 protocol, using delivery FDG. Fukushima Medical Univ. Takamitsu Hara 0-089 Monte Carlo Simulation of PET and SPECT of 90Y Kyushu Univ. Akihiko Takahashi 0-090 Progress report: Calibration and evaluation method with traceable point-like sources Kitasato Univ. Tomoyuki Hasegawa 0-091 Sensitivity booster for DOI-PET by utilizing Compton scattering photons between detector blocks Eiji Yoshida 0-092 Computational Cost Reduction using Region-of-Interest Reconstruction for Real-time Tumor Tracking by the OpenPET **NIRS** Hideaki Tashima Proposal on a stationary data acquisition SPECT with a triple head gamma camera system 0-093 Yuta Ichimura Hosei Univ. 18. Diagnostic Imaging 1 (X-ray) 14:40-15:20 Moderator: Eiichi Sato **0-094** Dark-less high-speed X-ray energy dispersing using a compact YAP(Ce)- photomultiplier detector and its application to gadolinium imaging Iwate Medical Univ. Satoshi Yamaguchi 0-095 The accuracy of reconstructed values from the projections in the low x-ray flux using a photon counting detector Futoshi Kaibuki 0-096 Investigation of the energy-dispersive X-ray computed tomography system utilizing a cadmium telluride detector and a frequency-voltage converter Iwate Medical Univ. Hosp. Yuichi Sato **0-097** k-edge imaging with a photon counting CT Hosei Univ. Mariko Matsumoto 15:30-16:10 19. Diagnostic Imaging 2 (X-ray) Moderator: Futoshi Kaibuki 0-098 Investigation of the dual-energy dispersive X-ray computed tomography system using a silicon diode and a frequency-voltage converter

Iwate Medical Univ.

Yasuyuki Oda

0-099	Investigation of the dual-energy computed tomography system using a double silicon X-ray diode				
		Iwate	Medical Univ.	Eiichi Sato	
0-100	Development of an X-ray-dosimeter module using a silicon X-ray diode and its application to the high-sensitivity computed tomography system				
		Iwate	Medical Univ.	Michiaki Sagae	
0-101	Development of a YAP(Ce)-MPPC spectrometer and its	application to photon	-counting X-ray of	computed	
	tomography system				
		Iwate	Medical Univ.	Eiichi Sato	
20. Diag	nostic Imaging 3 (X-ray)	16:20-17:00	Moderato	r: Hidetake Hara	
0-102	Bone and soft tissue separation in hand radiography usin	g Kinect-based object	thickness measu	rement	
		.g	Kyushu Univ.	Ryohei Fukuyoshi	
0-103	Accuracy Evaluation of a Radiographic Simulator System	m using KINECT	·		
			Kyushu Univ.	Takayuki Kurata	
0-104	Influence of nodule offset in CAD performance evaluation	on of lung cancer CT	screening		
			Niigata Univ.	Akifumi Yoshida	
0-105	Extraction of the shadow of cervical vertebrae in panora	mic radiographs			
			Hosei Univ.	Junpei Yamamoto	
04 Diag	anadia Imagina (V. 1911)	17-10 17-50	Madagata	Obinialai Wada	
ZT. Diag	nostic Imaging 4 (X-ray)	17:10–17:50	Moderator	r: Shinichi Wada	
0-106	Measurement of Table Feed Speed in Modern CT				
	The second of the second of the second of	Shiga Medical Cent	er for Children	Atsushi Fukuda	
0-107	Study of Virtual Monochromatic Imaging for Visualizati	e		ll-Energy CT	
			Kitasato Univ.	Hidetake Hara	
0-108	A study of abdominal CT imaging optimized conditions	in iterative reconstruc	ction CT		
		Saga	National Hosp.	Yukio Inoue	
0-109	Perceptual Image Quality Mapping for Iterative Tomogr	aphic Reconstruction			
		Osa	ka Univ. Hosp.	Sachiko Yamada	

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22. Radi	ation Therapy 4 (Heavy Particle)	9:00-10:00	Moderator	Masumi Numano
0-110	A study on symmetrization of the laterally asymmetric b		rotating gantry fo	
0-111	Optimization algorithm of Spread-Out Bragg Peak with			
0-112	Parameterization of pencil beam data for energy scanning	ng in heavy-ion therap		Yousuke Hara
0-113	Estimation of an output factor using GEANT4-base Mon	nte-Carlo dose calcul erapy Center, Fukui P	ation for proton	therapy
0-114	Fluence scaling factor of solid phantom for clinical prote		_	te Carlo simulation
0-115	Accuracy-improved fast calculation method of dose dist	tribution in water form		
		U	niv. of Tsukuba	Kento Matsui
23. Radi	ation Therapy 5 (Heavy Particle)	10:00–10:50	Moderator:	Toshiyuki Toshito
0-116	Quantitative Evaluation of Skin Reaction in Carbon Bea	am Therapy	NIRS	Hiroaki Matsubara
0-117	Treatment-planning study of carbon-ion scanning-beam	therapy for mesothel	ioma cases	Nobuyuki Kanematsu
0-118	Evaluation of the dose-distribution consequences from i	nternal marker in car		•
0-119	Monte Carlo study of organ doses during carbon-ion rad	diotherapy with passiv		
0-120	Initial dosimetoric study of whole pelvic irradiation using			
24. Radi	ation Therapy 11 (Photon/Electron)	14:40–15:40	Moderator:	Kazunori Miyaura
0-121	Collision map using a collision detection simulator amo	ng treatment apparatu Kyoto College of I	_	py treatment planning Akira Sawada
0-122	Realtime 3D tracking with a consumer depth camera	nyoto conege or r	Teikyo Univ.	Shinobu Kumagai
0-123	3D reconstruction of a patient's body using epipolar geo	ometry	Teikyo Univ.	Jun'ichi Kotoku
0-124	Computerized monitoring method of intra-fractional pat flight camera	tient setup errors by u	•	
0-125	Parallel computing of the dose of TBI using Monte Carl	lo simulation code EC	Kyushu Univ.	Soufi Mazen
0-126	Development of GUI for EGS5		Juntendo Univ.	Kyohei Fukata
		Tokyo Met	ropolitan Univ.	Atsushi Myojoyama

25. Radi	ation Therapy 12 (Photon/Electron)	15:50-16:50	Moderator:	Toshiyuki Ogata
0-127	27 A study of x-ray energy spectrum from medical linac by scattered photon analysis			
		Tokyo Meta	ropolitan Univ.	Yuhi Suda
0-128	Small Field Modeling for Flattened and Flattening F	Filter-Free Beams		
		Shizuoka	Cancer Center	Masahiro Konno
0-129	Evaluation of beam modeling for small field using fi	lattening filter free beam		
		Н	iroshima Univ.	Daisuke Kawahara
0-130	Evaluation of single-isocenter, non-coplanar VMAT	SRS using an 80-pair mu	lti-leaf collimato	or for multiple brain
	metastases			
			Elekta KK	Yoshio Iwai
0-131	Contribution factors of extracranial doses in patients	s undergoing gamma knife	·.	
		The U	Univ. of Tokyo	Daisuke Kon
0-132	Effect of skull contours on dose calculations in Gam	nma Knife Perfexion stered	otactic radiosurge	ery
		Nagoya l	Kyoritsu Hosp.	Hisato Nakazawa

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26. Mag	netic Resonance	9:00-10:00	Moderat	or: Eisuke Sato
0-133	Feasibility study of fast and high-precision T1 measur		lient echo pulse s kkaido Univ.	sequence Saaya Takahashi
0-134	An Examination of Geometric Distortion in MRI		the Ryukyus	Akira Funyu
0-135	The Influence of eigenvalues exerted by MPG-direction		RI	Hiroki Shishido
0-136	Cardiac-gating fMRI at ultra-high field: feasibility of National Institute of Inform	signal intensity correction	for heart-rate flu	
0-137	Precise measurements of fluctuation in cerebral venou	us blood oxygenation for d		_
0-138	Elastic changes of arteriolar blood volume in the huma	n brain — Estimation based		_
27. Radi	ometry/Spectrometry/Dosimetry 1	10:10–10:50	Moderator	r: Shuji Koyama
0-139	Photoelectric cross sections based on the Hartree-Foc	k calculation		
0-140	Calculation of diagnostic X-ray spectrum by using PF	The Univ. of	Tokyo Hosp.	Akihiro Haga
0-140	Calculation of diagnostic X-ray spectrum by using Pr		ı Univ. Hosp.	Shuji Nagamine
0-141	Measurement of Effective Charge Distribution by Du			
0-142	Davidsment of a navel wave imaging avetom (VI. I. ave	The Univ. of		Dousatsu Sakata
0-142	Development of a novel γ-ray imaging system (γ I:gai		Camera technique Citasato Univ.	e Hiroshi Muraishi
28. Radi	ometry/Spectrometry/Dosimetry 2	14:10–15:00 M	oderator: Shir	n-ichiro Hayashi
0-143	Temperature dependence of polymer gel during meas	urement with MRI		
		aki Prefectural Univ. of He	alth Sciences	Hiraku Kawamura
0-144	Temperature dependency of polymer gel on radiation	dosimetry using MRI	NIRS	Kuniaki Nabatame
0-145	Development of 3D dose verification system for volume	metric modulated arc thera		
			Heiwa Clinic	Kaoru Ono
0-146	The basic characteristic evaluation of the MAGIC gel	_		
0-147	Dose Response of Novel Polymer Gel Dosimeters with		Nagoya Univ.	Takayuki Miyachi
0 147	Dose response of rever Polymer Ger Bosinicers with	in Heavy 1011 Beating	JAEA	Akihiro Hiroki
29. Radi	ometry/Spectrometry/Dosimetry 3	15:10–16:00	Moderator:	Naoki Hayashi
0-148	Dosimetric Comparison of Landscape and Portrait Or	rientation in Radiochromic	Film Dosimetry	
			-	umasa Kakinohana
0-149	Homogeneity and new correction of Gafchromic EBT			
0-150	Resolution properties of tissue equivalent phantom th		u Univ. Hosp.	Hirokazu Mizuno
0 100	resolution properties of tissue equivalent phantoin th		Gakuen Univ.	Yasuyuki Kawaji

0-151 Development of a low-cost radiation measurement equipment with a help of fluorescent screen used in medical diagnostics The Wakasa Wan Energy Research Center Kyo Kume **0-152** Characterization of nanoDot OSL dosimeters for the high dose measurements Kawasaki College of Allied Health Professions Naomasa Narihiro 30. Radiometry/Spectrometry/Dosimetry 4 16:10-17:00 Moderator: Kyo Kume 0-153 Microdosimetric consideration of the mechanism of enhanced biological effect by gold nanoparticles Yokohama City Univ. Osamu Yamamoto 0-154 Development of a superheated bubble detector and its response to therapeutic ion beams Tokyo Institute of Technology Yusuke Satake 0-155 TL dosimeter's glow curve dependence on LET and absorbed dose Keisuke Otsubo Tokyo Metropolitan Univ. 0-156 The Study on dose distribution measurement of therapeutic carbon beam by Tissue Equivalent Phantom Thermoluminescence slab dosimeter (TEP-TLSD) Chiba Univ. Satoshi Tamatsu 0-157 Improvement and Evaluation of a PMMA Multi-layer Ionization Chamber for Heavy Ion Radiotherapy Chiba Univ. Soorim Han

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31. Radi	ation Therapy 6 (Heavy Particle)	9:10-10:10	Moderator:	Masataka Komori
0-158	Development of dose measurement technique using mu	ultilayer ionization ch	namber for proton	spot scanning
		Hitachi, Ltd., Hitac	hi Research Lab.	Taisuke Takayanagi
0-159	Range shifter dependence in the radiation field-size effective and the radiation field-size effective effective and the radiation field-size effective	ect of carbon beam		
			Tooho Univ.	Mari Shinozaki
0-160	Experience with SOI(Silicon on Insulator) pixel detector	^		
		ki Prefectural Univ.		Hiraku Fuse
0-161	Development of Linear-Energy-Transfer-Independent l	Fricke Gel dosimeter	-	
			RIKEN	Takuya Maeyama
0-162	Range verification with polymer gel detector			
0.400			n Medical Center	Yusuke Tsunei
0-163	Evaluation of the RADPOS 4-D in-vivo dosimetry syst		(TT' 1 ' 37 1'
		U	niv. of I sukuba	Hidenori Yamaguchi
32. Radi	ation Therapy 7 (Heavy Particle)	10:20-11:30	Moderator:	Naruhiro Matsufuji
0-164	A simulation study for respiratory gating proton irradia	ntion with rapid raster	scanning method	I
		Mitsubishi Ele	etric Corporation	Yusuke Sakamoto
0-165	Dose distribution in layer-stacking irradiation for a resp	piratory moving targe	et	
			Gunma Univ.	Shinya Tajiri
0-166	A Study of Efficient Synchrotron operation for respirat	ory gated carbon ion	therapy	
	SAGA HIMAT-H	eavy Ion Cancer Trea	atment Center Y	oshikazu Tsunashima
0-167	Relative Biological Effectiveness of the 190 MeV Prot	on Beams at Aizawa	Hospital Proton 7	Therapy Center
			Aizawa Hosp.	Yuya Sugama
0-168	Study of Physics Process in Biological Radiation Effect	et		
			Rikkyou Univ.	_
0-169	Status of the Development of Acc-Based BNCT Irradia Target	ation System using L	iquid Lithium Ne	atron Producing
	-	Xyoto Univ. Research	Reactor Institute	Tooru Kobayashi
0-170	Development of radiation-quality-evaluation phantom	for BNCT		-
	K	Kyoto Univ. Research	Reactor Institute	Yoshinori Sakurai

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33. Radi	ometry/Spectrometry/Dosimetry 5	9:00-10:00	Moderator: Ta	adahiro Kurosawa
0-171	Evaluation of precision external beam monitors			
0-172	Measurement of beam quality correction factors by using photon beams	the standard of ab	AIST sorbed dose to wa	Morihito Shimizu ter in high-energy
			AIST	Morihito Shimizu
0-173	Uncertainty of Dosimeter Calibration using Water Absorb	-		Suoh Sakata
0-174	High sensitive neutron-detection around a 10 MV clinical scintillator	or Nuclear Techno		
			Kyushu Univ.	Akihiro Nohtomi
0-175	A study on the influence of photonuclear reactions on the		-	
0-176	Development of radiation-resistant real-time neutron mor	-	te of Technology	Akihisa Wakita
0 170	Development of radiation-resistant real-time neutron mor	intol for accelerato.	JAEA	Takemi Nakamura
34. Med	ical Information/Education	10:10-10:50	Moderator: I	Hodaka Numasaki
0-177	Withdrawn			
0-178	Computed Radiography (CR) picture examination of the	cause of generating	g of black spots.	
0.470		•	tsu general Hosp.	Yasuhiro Kashimura
0-179	Automation of linear accelerator user management of TM		Intranalitan Univ	Eri Katou
0-180	Preliminary study on color micro optical-CT —Evaluatio	•	letropolitan Univ. sample—	
		Fı	ıjita Health Univ.	Chika Murata
35. Imag	ge Informatics/Processing/Analysis	11:00–11:50	Moderato	or: Hitoshi Iyatomi
0-181	Investigation of feasibility of sparse coding to search for	similar cases in rac	liation treatment p Kyushu Univ.	lanning. Misato Imai
0-182	A Study for the contrast enhancement of kV image for the	_	g tumor motion de	
0-183	Fast image registration on parallel and distributed compu		Jii. Of TORYO I	and Director Ciliarkuli
0-184	Withdrawn		Teikyo Univ.	Toru Ishibashi
0-185	Withdrawn			