[JSRT-JSMP Joint International Conference on Radiological Physics and Technology (ICRPT) Oral]

April 13 (Thu.) 502

Radiomics

13:30-14:20 Chairperson: Akihiro Takemura Satoru Utsunomiva ★ TPI-001 Topological Imaging Signatures with Tumor Volumes for Prediction of Distant Metastasis after Stereotactic Ablative Radiotherapy for Patients with Stage I Non-small Cell Lung Cancer Kyushu University Takumi Kodama ★ TPI-002 Development of Radiomics-based Deformable Image Registration Algorithm Iwate Medical University School of Medicine Yoshiro Ieko ★ TPI-003 Computed Tomography-based Radiomics for Classifying Neurological Prognosis of Cardiac Arrest Patients Hokkaido University Takahiro Nakamoto ★ TPI-004 Investigation of Repeatability of Persistent Homology Features for Patients with Lung Cancer Based on Computed Tomography Images Ho Chi Minh City Oncology Hospital, Viet Nam Quoc C. Le ★ TPI-005 Multi-institutional Radiomics Phantom Study Using on-board Volumetric Images Kyoto University Takanori Adachi **Radiation Protection** 14:30-15:20 Chairperson: Yasutaka Takei Keiichi Akahane ★ TPI-006 Findings for Manufacturing Novel X-ray Shields Having Elasticity Kanazawa University Tatsuya Maeda ★ TPI-007 A Study on Changes in Exposure Dose through Development of Bismuth Shielding during Pediatric General Radiography Examination Hanseo University, Korea Beom Chan Park ★ TPI-008 Scattered Dose Rate Distribution and Eye Lens Doses of Physicians in over-couch X-ray Tube Geometry: Effect of Radioprotective Curtain Length Kanazawa University Kosuke Matsubara ★ TPI-009 A Study on the Calculation of Entrance Surface Dose from Exposure Index as per IEC in Mobile Chest Radiography The Graduate School of Dongseo University, Korea Hyejin Jo ★ TPI-010 Proposal of New Effective Dose Conversion Factor Using SSDE Obtained from Dose Index Resistry Tokyo Medical University Ibaraki Medical Center Masato Takanashi Image Informatics: Classification 15:30-16:20 Chairperson: Chisako Muramatsu Taiki Magome ★ TPI-011 Production of X-ray Image Classification Software Using Convolutional Neural Network And Usability Assessment Shingu College, Korea Yu-Jeong Lee ★ TPI-012 Deep Learning Based Gender Classification of Panoramic Dental X-ray

Chonnam National University, Korea Seung-Min Hwang

A IFI-013	Pilot Study for Deep Learning-based Automatic Classification of Sphenoid Sinus among Head Post-mortem Computed Tomography Images in Drowning Victims				
★ TPI-014	Busan Institute, National Forensic Service, Korea Jin-Haeng Heo Preliminary Study on the Classification if Atrial Fibrillation Types Using Deep Learning Models with Attention Mechanism - Comparion of Vision Transformer and CNN Model-				
	Fujita Health University Hina Kotani				
★ TPI-015	Deep Learning Based Nuclear Lung Test Classification Model				
	Shingu University, Korea Min Ju Kim				
Treatment	Planning Computed Tomography				
	16:30-17:20 Chairperson: Noriyuki Kadoya Yoshitomo Ishihara				
★ TPI-017	Dosimetric Impact of Combined 4D-CT Ventilation and SPECT Perfusion Image-guided Treatment Planning for Lung Cancer				
	Komazawa University Graduate School Genta Michimata				
★ TPI-018	Characterization of a New X-ray Computed Tomography Polymer Gel Dosimeter				
	National Cancer Center Hospital East Hidenobu Tachibana				
★ TPI-019	Comparison between Planning CT Image and Dose Distribution Signatures for Prediction of Radiation-induced Pneumonitis in Patients with Non-small Cell Lung Cancer before Stereotactic Ablative Radiotherapy				
	Kyushu University Junya Eda				
★ TPI-020	Determination of Initial Parameters of Stoichiometric CT Calibration MVCT Model				
	Hiroshima University Shogo Tsunemine				
Photon Dosimetry and Electron Irradiation Technique					
Photon Do	simetry and Electron Irradiation Technique				
Photon Do	simetry and Electron Irradiation Technique 17:30-18:20 Chairperson: Motoharu Sasaki Chie Kurokawa				
Photon Do	17:30-18:20 Chairperson: Motoharu Sasaki Chie Kurokawa				
	17:30-18:20 Chairperson: Motoharu Sasaki				
	17:30-18:20Chairperson: Motoharu Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accelerator				
★ TPI-021	17:30-18:20Chairperson: Motoharu Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accuracy Choonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamYonlae Kim				
★ TPI-021★ TPI-022	17:30-18:20Chairperson: Motoharu Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accuracy Choonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamYonlae Kim				
★ TPI-021★ TPI-022	17:30-18:20Chairperson: Kuru Sasaki Chirperson: KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accuracy Choonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamYonlae KimKanazawa UniversityMiku Ando				
★ TPI-021★ TPI-022	17:30-18:20Chairperson: Kotu-Jaru Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accurator Choonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamYonlae KimKanazawa UniversityMiku AndoInvestigation of High Precision of Electron Beam Convergence under Low Vacuum and				
★ TPI-021★ TPI-022	17:30-18:20Chairperson: Motharu Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear AccuracyEvaluation of Beam Matching Accuracy Comparison for Same Model Linear AccuracyChoonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter SensitivityHigh-energyPhoton BeamKanazawa UniversityMiku AndoInvestigation of High Precision of Electron Beam Convergence under LowVacuum andPracticality of Decompression Chamber for Electron Beam Scanning IrradiationVacuum and				
 ★ TPI-021 ★ TPI-022 ★ TPI-023 	17:30-18:20Chairperson: Korus Sasaki Chie KurokawaEvaluation of Beam Matching Accuracy Comparison for Same Model Linear Accuracy Choonhae College of Health Sciences, KoreaYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamYonlae KimInvestigation of Properties Related to BeO-based OSL Dosimeter Sensitivity in High-energy Photon BeamMiku AndoInvestigation of High Precision of Electron Beam Convergence under Low Vacuum and Practicality of Decompression Chamber for Electron Beam Scanning IrradiationYuma HayashiDesign, Fabrication and Validation of 3D Printed Specific End Term ApplicatorYuma Hayashi				

Tokyo Metropolitan University Ryo Nishida

April 14 (Fri.) 502

Image Informatics: Segmentation 8:00-8:40 Chairperson: Haruyuki Watanabe Noriyuki Kadoya ★ TPI-026 Two-stage X-ray-based Segmentation of Hip Joint Space Using Deep Learning Hokkaido University Haolin Wang ★ TPI-027 Novel Segmentation Model for Well-differentiated Hepatocellular Carcinoma Regions Using

Dense V-net with Three Phase Images of Dynamic Contrast-enhanced CT Saga University Hospital Noriyuki Nagami ★ TPI-028 Development of an Accurate and Rapid Auto-segmentation Method for Alveolar Bone and Teeth Using Virtual Cone-beam Computed Tomography and Artificial Intelligence Technology Tokushima University Atsushi Takeya ★ TPI-029 Rheumatoid Arthritis Synovitis Segmentation Based on Unsupervised Learning and Timeintensity Curve Signal Data on Dynamic Contrast Enhaced MRI Hokkaido University Yijun Mao Image Informatics: Detection 8:50-9:30 Chairperson: Rie Tanaka Jun'ichi Kotoku ★ TPI-030 Ensemble Detection Scheme of Pneumonia from Chest X-ray Images Using Multiple Convolution Neural Networks Fujita Health University Amase Ito ★ TPI-031 Improving Calcified Lesion Detection in Coronary Artery Calcium Scan by Using DenseNet: a Phantom Study Kaohsiung Medical University, Taiwan Ching-Ching Yang ★ TPI-032 The Implementation of Automated Intracerebral Hemorrhage Detection and Radiology Report Using Deep Learning Chang Gung University, Taiwan Yu-Pei Wang ★ TPI-033 A State-of-the-art Python Model for Breast Cancer Detection Gono Bishwabidyalay, Bangladesh Afroja Nahida Nuclear Medicine-1: Performance Evaluation 9:40-10:20 Chairperson: Kohei Hanaoka Hideaki Tashima ★ TPI-034 Evaluation of the Partial Volume Effects Using Small-sphere Phantom in PET/CT System Iwate Medical University Toshiaki Sasaki ★ TPI-035 Performance Evaluation of Body-contouring Scan in Lu-177 SPECT/CT with Ring-shaped Whole-body CZT-camera Osaka University Hospital Hidetaka Sasaki ★ TPI-036 Imaging Performance of a Brain-dedicated Hemispherical PET over Whole-body Cylindrical Scanners OST Go Akamatsu ★ TPI-037 Tracking the Same Fast-LGSO Crystals by Changing Surface Treatments for Faster Timing Resolution in PET OST Miho Kiyokawa Nuclear Medicine-2: Simulation and Others 10:30-11:10 Chairperson: Koichi Okuda Keisuke Tsuda ★ TPI-038 A Monte Carlo Simulation Study of Performance Evaluation for Sensitivity and Scatter Fraction in Gamma Camera Scintigraphy with TIBr Pixelated Semiconductor Detector Using Various Parallel-hole Collimator Designs Eulji University, Korea Chanrok Park ★ TPI-039 Potential of 909 keV Compton Imaging Outperforming PET in ⁸⁹Zr Measurement with Si/LGSO WGI: a Simulation Study Hideaki Tashima QST

*	TPI-040	Comparison of Kinetics of the Produced Positron Emitters after Carbon Beam Irradiation and That of the MRI Contrast Agents in Rat Tumor
		QST Chie Toramatsu
*	TPI-041	Positronium Lifetime Measurement in Stable Radical Aqueous Solutions for Dose Estimation in Radiotherapy
		QST Sodai Takyu
Im	age Infoi	rmatics: Image Processing
		15:30-16:20 Chairperson: Yoshikazu Uchiyama Takeyuki Hashimoto
\star	TPI-042	Development of a Deep Learning-based Bone Suppression Technique for Pediatric Dynamic
		Chest Radiography Using Virtual Patients
		Kanazawa University Futa Goshima
\star	TPI-043	
		Fujita Health University Supanuch Patipipittana
\star	TPI-044	Development of Super-resolution for Brain MRI Images
		National Taiwan University, Taiwan Qian Hua Wu
*	TPI-045	Deep Learning Technology for Age Estimation Based on Selected Tooth Condition Using Dental Radiography
		Chonnam National University, Korea Jung-Woo Yun
\star	TPI-046	Dental Estimation Age Using Darknet-19 Based on Dental X-ray Panoramic Images
		Chonnam National University, Korea Jihyeong Ko
кл	D. Analyc	sis and Tophnique
IVIT	n. Analys	sis and Technique
		16:30-17:20 Chairperson: Yasuo Takatsu Koya Fujimoto
*	TPI-047	Quantifying Regional Cerebral Blood Flow Using Motion-compensated Diffusion Imaging with Phase-contrast (mDIP)
		Kanazawa University Naoki Ohno
*	TPI-048	Evaluation of Submillimeter Non-rigid Registration for Diffusion Tensor Imaging Distortion Using CT Images
		The Miyagi National Hospital Tetsuya Kitazawa
*	TPI-049	Altered Functional Connectivity and Structural Connectivity in Patients with Focal Epilepsy Using Resting-state Functional MRI and Diffusion MRI
		Chang Gung University, Taiwan En-Chi Tsui
*	TPI-050	Optimization of Median Modified Wiener Filter for Improving Cerebrospinal Fluid Segmentation Performance in Brain MR Image: A Simulation Study
		Gachon University, Korea Sewon Lim
*	TPI-051	MR Spectroscopy-based Metabolite Ratio Analysis of MRI Images for Metastatic Lesion
		University of Rajshahi, Bangladesh Alamgir Hossain
Do	rtiolo: D	osimetry and Monte Carlo Simulation
Га		-
		17:30-18:20 Chairperson: Chang Weishan Shinnosuke Matsumoto
+	TPI-052	Investigation of Response Characteristics of Radiophotoluminescence Dosimeter in Intensity-
	111-032	modulated Proton Therapy

Fujita Health UniversityMiuna Hayashi★ TPI-053Simulation Evaluation of Range-estimation Uncertainty for Therapeutic Carbon-ion Beams by
Measuring Secondary Electron Bremsstrahlung with a Large-pinhole X-ray Camera

Gunma University Michiko Tsuda

 ★ TPI-054 Monte Carlo Calculation of Perturbation Correction Factor for Stem in Micro Ionization Chamber in Proton Beam
 ★ TPI-055 Measurement of the Nuclear Reaction Cross Sections of Positron-emitting Nuclides Using the Annihilation Gamma-ray Detection System nBOLPs
 ▲ TPI-056 Monte Carlo Calculations of Chamber-specific Perturbation Correction Factors for Several Ionization Chamber Types in Carbon-ion Beams
 ▲ Tokyo Metropolitan University

April 15 (Sat.) 502

Irradiation and Treatment Planning Technique					
	8:00-8:50 Chairperson: Kaoru Ono				
	Shuichi Ozawa				
★ TPI-057	Robust Beam Delivery with Jaw Margin Expansion in Small Field Linac-based Stereotactic Radiosurgery				
	Keio University School of Medicine Kohei Oguma				
★ TPI-058	Optimal Setting of Virtual Bolus Method for Breast Cancer Treated with Volumetric Modulated Arc Therapy				
	The University of Tokyo Takumi Sakamoto				
★ TPI-059	Evaluation of Dose Dividing Ratio in a Hybrid Volumetric Modulated Arc Therapy Plan for Non-small Cell Lung Cancer				
	Juntendo University Kenta Suga				
★ TPI-060	Fundamental Evaluation of Brass Mesh Bolus in Photon Beam Therapy				
	Fujita Health University Honoka Inagaki				
★ TPI-061	What is the Optimal Isodose Line for Stereotactic Radiotherapy for Brain Metastases Using				
	HyperArc?Osaka International Cancer InstituteTomohiro Sagawa				
Quality As	surance and Quality Control				
	9:00-9:50 Chairperson: Naoki Kinoshita Naoki Hayashi				
★ TPI-062	Using Monte Carlo to Simulate Radioactive Materials, Ambient Dose Equivalent H(10) in Linacs Room in FF and FFF Mode				
	Kyushu University Soai Dang Quoc				
★ TPI-063	A Study on Lifetime Prediction Using Linear Regression Analysis of Diode Electron Gun for a Linear Accelerator				
	Osaka Metropolitan University Hospital Tomohiro Sahara				
★ TPI-064	Prediction of Vertebral Compression Fracture after Stereotactic Body Radiation Therapy for				
	Spinal Metastases Using Radiomic and Dosiomic Features				
	Komazawa University Syoma Ide				
★ TPI-065	Generating Fully Random Prediction Results of Patient-specific Quality Assurance				
	Hiroshima University Hospital Akito Saito				
★ TPI-066	Prediction of Tumor Growth Trajectories in Patients with Stage I Non-Small Cell Lung Cancer Receiving Stereotactic Body Radio Therapy				
	Kyushu University Kazuki Mitsushima				

Detector				
	10:00-10:50	Chairp	erson: Yusuke Oribe	
			Keisuke Maehata	
★ TPI-067	A Novel Function for Wearable Dosimeters: to Determine Both Incident Direction and Absolute Dose of X-rays during IVR Procedure			
	Kanazawa Univ	versity	Takashi Asahara	
★ TPI-068	Performance Evaluation Standards for Medical Compton Imaging S	ystems		
		QST	Go Akamatsu	
★ TPI-069	Application of a Standard Performance Evaluation Method for a Co Using High-sensitive Inorganic Scintillators	st-effec	tive Compton Camera	
		QST	Mitsutaka Yamaguchi	
★ TPI-071	Simulation Study of a Deep-Learning Based Position-Sensitive Detector	e Force	eps-type Coincidence	
		QST	Ryotaro Ohashi	
Particle: T	reatment Planning Technique			
	14:10-14:50 Ch	airpers	on: Hideyuki Mizuno	
			Akihiko Matsumura	
★ TPI-072	Robustness Evaluation of Mean Liver Dose in Proton Therapy Scheme and Fraction-specific Random Setup Error	under	Various Fractionation	
	Hokkaido Univ	versity	Koki Kasamatsu	
★ TPI-073	Evaluation of the Proton Transport Algorithm in Monte Carlo Code	PHITS	by Fano Test	
	Fujita Health Univ	•	Yuya Nagake	
★ TPI-074	Development of a DNA Damages Repair Model Considered Alter Joining	native	Non-homologous End	
	Osaka Univ	versity	Hikaru Yamaguchi	
★ TPI-075	Spatial Resolution of Compton Camera in BNC Reaction Imaging			
	Gunma Univ	rsity	Makoto Sakai	
Particle: E	valuation of Implanted Electronic Device			
	15:00-15:40	Chairp	erson: Taku Inaniwa	
			Taeko Matsuura	
★ TPI-076	Evaluation of Air Quality in the Radiation Therapy Room			
	Hanseo University, 1	Korea	Kim Dae hyun	
★ TPI-077	Tolerable Doses of Electronic Devices in Radiation Therapy	• 1		
★ TPI-078	Gunma University Ho Evaluation of Electronic Device Soft Errors in Heavy Ion Therapy U	-	Masami Miyajima	
× 1P1-0/8	Gunma University Ho	•	Hiroaki Masuda	
★ TPI-079	Contribution Evaluation of Secondary Particles to Soft Errors in Car	-		
,, •,,	Gunma Univ		Yudai Kawakami	
Dosimetric Evaluation and Biophysics				
		Chairpe	erson: Masataka Oita	
			Hiroyuki Okamoto	
★ TPI-080	Investigation of Longitudinal Magnetic Field Effects on OH Radical	l		

 ★ TPI-081
 Impact of Cherenkov Light Correction Methods and Small-field Effects on the Plastic Scintillation Detector

Komagome Hospital Yu Arai

★ : English Presentation

- ★ TPI-082 Evaluation of the Dosimetric Effect of Interfractional Motion Associated with a High-fluence Beam in a Low-density Area of the Planning Target Volume Using Intensity-modulated Radiation Therapy
 Juntendo University
 Hiroto Adachi
- ★ TPI-083 High-Dose-Rate Brachytherapy for Cervical Cancer: The Effect of Total Reference Air Kerma on the Results of Single-Channel and Tri-Channel Applicators

University of Rajshahi, Bangladesh Alamgir Hossain

X-ray-2: Technique

A-ray-2. 16	16:40-17:30	Chairperson: Shinichiro Hirose	
		Nao Ichikawa	
★ TPI-084	084 Cone-beam CT Hepatic Arteriography Image Comparative Evaluation According to the Dilution		
	Ratio of Contrast Agent during Transarterial Chemoembolizat		
	Seoul National University Bundang Hos		
★ TPI-085	A Study on Image Quality and Dose Evolution According to Imaging of Pediatric Patients	Exposure Conditions in Ribs X-ray	
	Hanseo Unive	ersity, Korea Ho-jun Choi	
★ TPI-086	Development and Performance Evaluation of Improved X-ra		
<i>A</i> 111 000	Scanography Based on CsI Material		
	General Graduate School of Gachon Unive	ersity, Korea Minji Park	
★ TPI-087	Development and Usefulness Evaluation of Auxiliary Device		
A 111 007	Choonhae College of Health Scie		
★ TPI-088	Using System Simulation Software Flexsim to Improve the W		
A 111-000	Department of a Hospital in Hsinchu, Taiwan as An Example	e ei	
	The University of Hsin		
	The University of fish	ienu, farwan Sinn-wei iseng	
April 16 ((Sun.) 502		
X-ray-1: Ar	nalysis		
	8:00-8:40	Chairperson: Takeshi Takaki	
		Kuniyuki Hidaka	
★ TPI-089	A Correction Method for Object Edge Blurring That is Effect Photon Counting Imaging	-	
		va University Daiki Kobayashi	
★ TPI-090	Suitability of High-Tube-Voltage Imaging When Using E Detector (ERPCD): Simulation Study		
	Kanazaw	va University Rina Nishigami	
★ TPI-091	A Study on Clinical Exposure Index Using Actual Clinical D University Hospital of Korea		
	Dongseo Unive	ersity, Korea Hyemin Park	
★ TPI-092	Detection Performance of Pulmonary Impairments with Dyr		
,,	Imaging Trial		
	Kanazaw	va University Shunya Yamaguchi	

Radiation Measurement

			8:50-9:30	Chairperson: Hiroki Saito
				Hiroyuki Arakawa
*	TPI-093	Evaluation of Backscatter Factor by an Radiography	Anthropomorphic Phan	tom for Pediatric in General
		H	Jujita Health University	Thanakrit Suebboonprathueng
\star	TPI-094	Effect of Patient Position on Radiation Do	ose in Chest Lateral Radio	ography with AEC Mode

	Hanseo University, Ko	orea Seung Uk Kim
★ TPI-095	Analysis of Adjacent Organs Exposure Doses in X-ray Guided Ster	reostatic Breast Biopsy 2D
	Procedure and 3D Procedure	
	Samsung Medical Center, Ko	brea Beeeun Lee
★ TPI-096	Feasibility Study of Optical Observation of the Boron Dose Distribut	tion as a Quality Assurance
	Tool for Boron Neutron Capture Therapy	
	Kyushu Univer	rsity Hideya Maeda
CT-1: Ana	llvsis	
		noroon, Tokonori Mooudo
	9.40-10.20 Chair	person: Takanori Masuda
		Shohei Kudomi
★ TPI-097	Quantitative Measurement of Small Pulmonary Vessel Volume to	Evaluate Right Ventricular
	Function in Patients with Acute Pulmonary Embolism	
	General Hospital of Ningxia Medical University, Cl	nina Yifan Wang
★ TPI-098	Verification of CT Contrast Enhancement Effect by a Systemic Circula	ating Vascular Phantom
	Kitasato Univer	sity Tatsuya Todoroki
★ TPI-099	Study of Noise Reduction Effect on Temperature Resolution in CT-bas	sed Thermometry
	Kitasato Univer	sity Shinya Mizukami
★ TPI-100	Spectral Imaging Performance Evaluation for a Prototype Full-size P	hoton Counting CT System
	at Clinical Dose Levels	
	Canon Medical Research, U	JSA Xiaohui Zhan
	se and Technique	

10:30-11:10 Chairperson: Katsuhiro Ichikawa Hiraku Kawamura ★ TPI-101 Establishment of National Diagnostic Reference Levels and Achievable Doses for CT Protocols in Korea Daegu Health College, Korea Jaesung Kim ★ TPI-102 Thyroid Dose Reduction Related to the Overranging Effect by Using a Novel Sponge-type Shield during High-pitch Chest CT Examination Kanazawa University Kazuki Takegami ★ TPI-103 Quantitative Image Quality Comparison between Normal Resolution and Super High Resolution Modes of a Clinical Prototype Photon Counting CT System Canon Medical Research USA Inc., USA Ruoqiao Zhang ★ TPI-104 Estimating the Artifact Correction Integrity of MAR in Different Density of Metal Tooth Prosthesis Chang Gung Memorial Hospital, Taiwan Yin-Chun Lin

— P-49 —

Image	Informatics:	Reconstruction
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	1	1:20-12:00	Chairperson: Ik	uo Kawashita Akihiro Haga
★ TPI-105	Iterative CT Reconstruction with Deep N	leural Networks		
		Hirosaki	University	Sho Ozaki
★ TPI-106	Subject-specific Deep Learning Reconstr	uction for Fast Free-br University of Minne	-	fusion MRI 1met Akcakaya
★ TPI-107	Development of a Method for Improvement of SPECT Images Reconstructed from Sparse Projection Data by Deep Learning Technique			
	Н	iroshima International	University	Reina Yano
★ TPI-108	I-108 End-to-end Unsupervised CNN-based PET Image Reconstruction with Relative Differe Penalty			
		Hamamatsu Photo	onics K.K. Fun	nio Hashimoto
Image Info	rmatics: Prediction			
	1	4:00-14:40	Chairperson: Atsu Hide	ushi Teramoto etaka Arimura
★ TPI-109	A Study on a Predictive Model for Renal	Stone Diagnosis Based Gimcheon Universit	d on Artificial Neura	
🛨 TDI 110	Automated Degrange Dradiation of the E			0 5
× 111-110	Automated Response Prediction of the E CT Images	-		-
		Fujita Health		uta Suganuma
★ TPI-111	Prognoses Prediction of NSCLC Patients	-	es Linked with Gen University	e Expression Yu Jin
★ TPI-112	Artificial Neural Network for Prediction 18F-FDG PET/CT	Model of Histological	Subtypes for Breast	Cancer Using
		niversity of Rajshahi, B	angladesh Al	amgir Hossain
Ultrasound	l			
	1	4:50-15:20		: Yuhei Wada aoyuki Imada
★ TPI-113	Application of YOLO-based Deep Learn	ing to Thyroid Ultraso		
, , , , , , , , , , , , , , , , , , ,		Shingu Univers		Min Ju Kim
★ TPI-114	An End to End Based Computer-aided D of Rheumatoid Arthritis.		•	
		Hokkaido	University	Yumeng Yan
★ TPI-115	Optimization of Window Size for Noise		•	-
	-	Gachon Univers		Hajin Kim