

## Hisada Prize Winners

	year	Winner		Institution	Vol.No.	pages	Article title
16th	2024	Gold	Junki Takenaka	Department of Diagnostic Imaging, Graduate School of Medicine, Hokkaido University, Sapporo, Japan	37(1)	10 - 17	Prognostic value of [ <sup>18</sup> F]FDG-PET prior to [ <sup>131</sup> I]MIBG treatment for pheochromocytoma and paraganglioma (PPGL)
		Silver	Hiroyuki Shinohara	Faculty of Health Sciences, Tokyo Metropolitan University, Tokyo, Japan	37(11)	596 - 604	Deep learning study on the mechanism of edge artifacts in point spread function reconstruction for numerical brain images
		Bronze	Shunsuke Yuge	Department of Diagnostic Imaging and Nuclear Medicine, Graduate School of Medicine, Kyoto University, Kyoto, Japan	37(9)	479 - 493	Performance of dedicated breast PET in breast cancer screening: comparison with digital mammography plus digital breast tomosynthesis and ultrasound
		Young Investigator Award	Noriaki Miyaji	Department of Radiological Sciences, School of Health Sciences, Fukushima Medical University, Fukushima, Japan	37(12)	665 - 674	Impact of irregular waveforms on data-driven respiratory gated PET/CT images processed using MotionFree algorithm
15th	2023	Gold	Anri Inaki	Division of Functional Imaging, Exploratory Oncology Research and Clinical Trial Center (EPOC), National Cancer Center Department of Nuclear Medicine, Kanazawa University Hospital	36(3)	267 - 278	An open-label, single-arm, multi-center, phase II clinical trial of single-dose [ <sup>131</sup> I]meta-iodobenzylguanidine therapy for patients with refractory pheochromocytoma and paraganglioma
		Silver	Hiroshi Matsuda	Drug Discovery and Cyclotron Research Center, Southern Tohoku Research Institute for Neuroscience	36(12)	1039 - 1049	Clinical impact of amyloid PET using <sup>18</sup> F-florbetapir in patients with cognitive impairment and suspected Alzheimer's disease: a multicenter study
		Bronze	Kazuo Kubota	Southern TOHOKU General Hospital	36(4)	340 - 350	[ <sup>18</sup> F]FDG uptake in axillary lymph nodes and deltoid muscle after COVID-19 mRNA vaccination: a cohort study to determine incidence and contributing factors using a multivariate analysis
14th	2022	Gold	Kazuo Kubota	National Center for Global Health and Medicine, Japan Southern TOHOKU General Hospital, Japan	35-1	31 - 46	Comparison of <sup>18</sup> F-FDG PET/CT and <sup>67</sup> Ga-SPECT for the diagnosis of fever of unknown origin: a multicenter prospective study in Japan
		Silver	Noritoshi Kobayashi	Yokohama City University Graduate School of Medicine, Japan	35-12	1332 - 1341	Safety and efficacy of peptide receptor radionuclide therapy with <sup>177</sup> Lu-DOTA <sup>0</sup> -Tyr <sup>3</sup> -octreotate in combination with amino acid solution infusion in Japanese patients with somatostatin receptor-positive, progressive neuroendocrine tumors
		Bronze	Tadashi Watabe	Osaka University, Japan	35-6	702 - 718	Extended single-dose toxicity study of [ <sup>211</sup> At]NaAt in mice for the first-in-human clinical trial of targeted alpha therapy for differentiated thyroid cancer
13th	2021	Gold	Daiki Kayano	Kanazawa University Hospital, Japan	34-6	397-406	High-dose <sup>131</sup> I-metaiodobenzylguanidine therapy in patients with high-risk neuroblastoma in Japan
		Silver	Sho Koyasu	Kyoto University, Japan	34-1	49-57	Usefulness of gradient tree boosting for predicting histological subtype and EGFR mutation status of non-small cell lung cancer on <sup>18</sup> F FDG-PET/CT
			Sadahiko Nishizawa	Hamamatsu Medical Photonics Foundation, Japan	34-5	358-368	Ten-year prospective evaluation of whole-body cancer screening with multiple modalities including [ <sup>18</sup> F]fluorodeoxyglucose positron emission tomography in a healthy population
		Bronze	Kentaro Takanami	Tohoku University Graduate School of Medicine, Japan	34-4	233-243	Clinical implication of myocardial FDG uptake pattern in oncologic PET: retrospective comparison study with stress myocardial perfusion imaging as the reference standard
12th	2020	Gold	Masanao Aoki	Osaka University, Japan	33-6	394-403	Distribution of LAT1-targeting PET tracer was independent of the tumor blood flow in rat xenograft models of C6 glioma and MIA PaCa-2

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		Silver	Akira Joraku	University of Tsukuba, Japan	33-2	119-127	Phase I/IIa PET imaging study with <sup>89</sup> zirconium labeled anti-PSMA minibody for urological malignancies
		Bronze	Yuji Nakamoto	Kyoto University Graduate School of Medicine, Japan	33-1	55-60	Clinical feasibility of early scanning after administration of <sup>68</sup> Ga-DOTATOC
11th	2019	Gold	Tatsuya Higashi	National Institutes for Quantum and Radiological Science and Technology, Shiga Medical Center Research Institute, Japan	32-3	206–216	<sup>18</sup> F-FPYBF-2, a new F-18-labelled amyloid imaging PET tracer: first experience in 61 volunteers and 55 patients with dementia
		Silver	Kenichi Nakajima	Kanazawa University Hospital, Japan	32-5	303–310	Artificial neural network retrained to detect myocardial ischemia using a Japanese multicenter database
		Bronze	Takuro Umeda	Cancer Institute Hospital, Japan	32-2	105-113	Evaluation of bone metastatic burden by bone SPECT/CT in metastatic prostate cancer patients: defining threshold value for total bone uptake and assessment in radium-223 treated patients
10th	2018	Gold	Jolanta Kunikowska	Medical University of Warsaw, Poland	31-5	347-356	Long-term results and tolerability of tandem peptide receptor radionuclide therapy with <sup>90</sup> Y/ <sup>177</sup> Lu-DOTATATE in neuroendocrine tumors with respect to the primary location: a 10-year study
		Silver	Yukiko Masaki, Yoichi Shimizu	Shionogi & Co., Ltd., Japan, Kyoto University, Japan	31-8	596-604	FMISO accumulation in tumor is dependent on glutathione conjugation capacity in addition to hypoxic state
		Bronze	Etsuko Imabayashi	Center National Center of Neurology and Psychiatry, Japan	31-7	536-543	Validation of the cingulate island sign with optimized ratios for discriminating dementia with Lewy bodies from Alzheimer's disease using brain perfusion SPECT
9th	2017	Gold	Ekū Shimosegawa	Osaka University Graduate School of Medicine, Japan	30-10	749–755	Assessment of <sup>10</sup> B concentration in boron neutron capture therapy: potential of image-guided therapy using <sup>18</sup> FBPA PET
		Silver	Jun Toyohara	Tokyo Metropolitan Institute of Gerontology, Japan	30-8	534-543	Preclinical and first-in-man studies of [ <sup>11</sup> C]CB184 for imaging the 18-kDa translocator protein by positron emission tomography
		Bronze	Tsuneo Saga	National Institute of Radiological Sciences, Japan	30-3	217–224	Prognostic value of PET/CT with <sup>18</sup> F-fluoroazomycin arabinoside for patients with head and neck squamous cell carcinomas receiving chemoradiotherapy
8th	2016	Gold	Momoko Okasaki	National Center for Global Health and Medicine	29-3	224-232	Comparison of <sup>11</sup> C-40-thiothymidine, <sup>11</sup> C-methionine, and <sup>18</sup> F-FDG PET/CT for the detection of active lesions of multiple myeloma
		Silver	Yuji Nakamoto	Kyoto University Graduate School of Medicine	29-6	512-518	Additional information gained by positron emission tomography with <sup>68</sup> Ga-DOTATOC for suspected unknown primary or recurrent neuroendocrine tumors
		Bronze	Kazunari Ishii	Kinki University Hospital	29-1	78-83	Regional glucose metabolic reduction in dementia with Lewy bodies is independent of amyloid deposition
			Kentaro Hatano	University of Tsukuba	29-4	325-335	Radiosynthesis and in vivo evaluation of two imidazopyridineacetamides, [ <sup>11</sup> C]CB184 and [ <sup>11</sup> C]CB190, as a PET tracer for 18 kDa translocator protein: direct comparison with [ <sup>11</sup> C](R)-PK11195
7th	2015	Gold	Yasuto Takeuchi Masayuki Inubushi	National Institute of Radiological Sciences	28-10	1011-1019	Detailed assessment of gene activation levels by multiple hypoxia-responsive elements under various hypoxic conditions
		Silver	Fumi Sakamoto	Kumamoto University	28-3	203-211	Diagnosis of dementia with Lewy bodies: diagnostic performance of combined <sup>123</sup> I-IMP brain perfusion SPECT and <sup>123</sup> I-MIBG myocardial scintigraphy
		Silver	Seiichi Yamamoto	Nagoya University Graduate School of Medicine	28-10	961-969	Ultrahigh-resolution Cerenkov-light imaging system for positron radionuclides: potential applications and limitations
6th	2014	Gold	Kengo Ito	National Center for Geriatrics and Gerontology	27-10	898-906	Prediction of outcomes in MCI with <sup>123</sup> I-IMP-CBF SPECT: a multicenter prospective cohort study

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		Gold	Hiroshi Wakabayashi	Kanazawa University Hospital	27-9	839-846	Prognostic values of initial responses to low-dose <sup>131</sup> I-MIBG therapy in patients with malignant pheochromocytoma and paraganglioma
		Bronze	Ryuichi Nishii	Shiga Medical Center Research Institute	27-9	808-821	Diagnostic usefulness of an amino acid tracer, α-[N-methyl- <sup>11</sup> C]-methylaminoisobutyric acid ( <sup>11</sup> C-MeAIB), in the PET diagnosis of chest malignancies
5th	2013	Gold	Izumi O. Umeda	Functional Imaging Division, Research Center for Innovative Oncology, National Cancer Center Hospital East	26-1	67-76	High resolution SPECT imaging for visualization of intratumoral heterogeneity using a SPECT/CT scanner dedicated for small animal imaging
		Silver	Tadashi Watabe	Osaka University Graduate School of Medicine	26-3	222-227	Intratumoral heterogeneity of F-18 FDG uptake differentiates between gastrointestinal stromal tumors and abdominal malignant lymphomas on PET/CT
		Bronze	Paul B. Romesser	Boston University School of Medicine, USA	26-7	527-534	Superior prognostic utility of gross and metabolic tumor volume compared to standardized uptake value using PET/CT in head and neck squamous cell carcinoma patients treated with intensity-modulated radiotherapy
4th	2012	Gold	Takeshi Murano	Division of Cancer Screening, Research Center for Cancer Prevention and Screening, National Cancer Center	25-9	657-666	Radiation exposure and risk-benefit analysis in cancer screening using FDG-PET: results of a Japanese nationwide survey
		Silver	Keisuke Kiso	National Cerebral and Cardiovascular Center	25-10	768-776	Novel algorithm for quantitative assessment of left ventricular dyssynchrony with ECG-gated myocardial perfusion SPECT: useful technique for management of cardiac resynchronization therapy
		Bronze	Masahiro Kikuchi	Kobe City Medical Center General Hospital	25-9	625-633	<sup>18</sup> F-fluoromisonidazole positron emission tomography before treatment is a predictor of radiotherapy outcome and survival prognosis in patients with head and neck squamous cell carcinoma
3rd	2011	Gold	Seiichi Yamamoto	Kobe City College of Technology	24-2	89-98	Design and performance from an integrated PET/MRI system for small animals
		Silver	Chie Seki	Molecular Imaging Center, National Institute of Radiological Sciences	24-4	249-260	Quantitative analysis of dopamine transporters in human brain using [ <sup>11</sup> C]PE2I and positron emission tomography: evaluation of reference tissue models
		Bronze	Go Miyashita	Department of Stomatology and Oral Surgery, Gunma University Graduate School of Medicine	24-8	579-584	<sup>18</sup> F-FAMT uptake correlates with tumor proliferative activity in oral squamous cell carcinoma: comparative study with <sup>18</sup> F-FDG PET and immunohistochemistry
2nd	2010	Gold	Taiga Yamaya	Molecular Imaging Center, National Institute of Radiological Sciences	23-2	183-190	Preliminary study on potential of the jPET-D4 human brain scanner for small animal imaging
		Silver	Jun Toyohara	Positron Medical Center, Tokyo Metropolitan Institute of Gerontology	23-3	301-309	Preclinical and the first clinical studies on [ <sup>11</sup> C]CHIBA1001 for mapping α7 nicotinic receptors by positron emission tomography
		Bronze	Miho Shidahara	Molecular Imaging Center, National Institute of Radiological Sciences.	23-2	163-171	Improvement of likelihood estimation in Logan graphical analysis using maximum a posteriori for neuroreceptor PET imaging
1st	2009	Gold	Kayako Isohashi	Osaka University Graduate School of Medicine	22-9	795-802	<sup>18</sup> F-FDG PET in patients with malignant lymphoma having long-term follow-up: staging and restaging, and evaluation of treatment response and recurrence
		Silver	Kenichi Nakajima	Institute of Medical, Pharmaceutical and Health Sciences	22-10	891-910	Prognostic table for predicting major cardiac events based on J-ACCESS investigation
		Bronze	Sadahiko Nishizawa	Hamamatsu Medical Imaging Center, Hamamatsu Medical Photonics Foundation	22-9	803-832	Incidence and characteristics of uterine leiomyomas with FDG uptake