

総説・原著論文等

1) 国際誌

Akatani N, Wakabayashi H, Kayano D, Inaki A, Takata A, Hiromasa T, Yamase T, Kunita Y, Watanabe S, Mori H, Saito S, Nakajima K, Kinuya S.

Long-term outcomes and prognostic factors of patients with lung metastases from differentiated thyroid cancer after radioiodine therapy in Japan *Endocr J.* 2023;70(3):315-322

Nakajima K, Miyauchi H, Hirano K, Fujimoto S, Kawahito M, Iimori T, Kudo T.

Practice recommendation for measuring washout rates in ^{123}I -BMIPP fatty acid images *Ann Nucl Cardiol.* 2023;9(1):3-10

Nakajima K, Miyauchi H, Hirano K, Fujimoto S, Kawahito M, Iimori T, Kudo T.

Practice recommendation for measuring washout rates in ^{123}I -BMIPP fatty acid images *Ann Nucl Med.* 2024;38(1):1-8.

Nakajima K, Nishimura T.

J-ACCESS investigation and nuclear cardiology in Japan: implications for heart failure *Ann Nucl Med.* 2023;37(6):317-327.

Nakajima K, Shibutani T.

Are nuclear medicine images quantified in 2D and 3D equally functional? *J Nucl Cardiol.* 2023;30(5):1968-1972.

Nakajima K, Shibutani T, Massanes F, Shimizu T, Yoshida S, Onoguchi M, Kinuya S, Vija AH Myocardial perfusion imaging with retrospective gating and integrated correction of attenuation, scatter, respiration, motion, and arrhythmia *J Nucl Cardiol.* 2023;30(6):2773-2789.

Nakajima K, Tada H Seeing is believing: Visualization of multivariable risk models *J Nucl Cardiol.* 2023;30(2):764-768.

Saito S, Nakajima K, Shibutani T, Wakabayashi H, Yoneyama H, Konishi T, Mori H, Takata A, Kinuya S.

Three-Dimensional Heart Segmentation and Absolute Quantitation of Cardiac ^{123}I -metaiodobenzylguanidine Sympathetic Imaging Using SPECT/CT *Ann Nucl Cardiol.* 2023;9(1):61-67.

Wakabayashi H, Mori H, Hiromasa T, Akatani N, Inaki A, Kozaka T, Kitamura Y, Ogawa K, Kinuya S, Taki J.
 ^{125}I -labeled 2-[4-(2-iodophenyl)piperidino]cyclopentanol (^{125}I -OI5V) imaging visualized augmented sigma-1 receptor expression according to the severity of myocardial ischemia *J Nucl Cardiol.* 2023;30(2):653-661.

Watanabe S, Nakajima K, Toshima F, Wakabayashi H, Yoshida S, Yoneyama H, Komatsu J, Konishi T, Kinuya S.
Transthyretin amyloid cardiomyopathy disease burden quantified using $^{99\text{m}}\text{Tc}$ -pyrophosphate SPECT/CT: volumetric parameters versus SUVmax ratio at 1 and 3 hours *J Nucl Cardiol.* 2023;30(6):2721-2735.

Zhang X, Wakabayashi H, Hiromasa T, Kayano D, Kinuya S.
Recent Advances in Radiopharmaceutical Theranostics of Pheochromocytoma and Paraganglioma *Semin Nucl Med.* 2023;53(4):503-516.

Araki Y, Yamamoto N, Hayashi K, Takeuchi A, Miwa S, Igarashi K, Higuchi T, Abe K, Taniguchi Y, Yonezawa H, Morinaga S, Asano Y, Nojima T, Taki J, Tsuchiya H
A Viability Analysis of Tumor-Bearing Frozen Autograft for the Reconstruction After Resection of Malignant Bone Tumors Using $^{99\text{m}}\text{Tc}$ -MDP Scintigraphy *Clin Nucl Med.* 2023;48(1):25-34.

Echigo H, Mishiro K, Munekane M, Fuchigami T, Washiyama K, Takahashi K, Kitamura Y, Wakabayashi H, Kinuya S, Ogawa K.
Development of probes for radiotheranostics with albumin binding moiety to increase the therapeutic effects of astatine-211 (^{211}At) *Eur J Nucl Med Mol Imaging.* 2024;51(2):412-421.

Hirano K, Higashi M, Nakajima K.
Remarkable regression of diffuse coronary atherosclerosis in patients with triglyceride deposit cardiomyovasculopathy *Eur Heart J.* 2023;44(13):1191.

Hirano K, Kodama K, Miyauchi H, Nagasawa Y, Nakano Y, Matsunaga M, Amano T, Nakajima K.

Carnitine Administration and ^{123}I -BMIPP Washout Rate in Hemodialysis Patients with Triglyceride Deposit Cardiomyovasculopathy *Ann Nucl Cardiol.* 2023 Dec 22. doi:10.17996/anc.23-00014

Liao J, Misaki K, Uno T, Nambu I, Kamide T, Chen Z, Nakada M, Sakamoto J
Fluid dynamic analysis in predicting the recanalization of intracranial aneurysms after coil embolization - A study of spatiotemporal characteristics *Heliyon.* 2023;10(1):e22801

Mishiro K, Ueno T, Wakabayashi H, Fukui M, Kinuya S, Ogawa K
Synthesis and evaluation of a deltic guanidinium analogue of a cyclic RGD peptide *Org Biomol Chem.* 2023;21(9):1937-1941.

Mishiro K, Imai S, Ematsu Y, Hirose K, Fuchigami T, Munekane M, Kinuya S, Ogawa K.

RGD Peptide-Conjugated Dodecaborate with the Ga-DOTA Complex: A Preliminary Study for the Development of Theranostic Agents for Boron Neutron Capture Therapy and Its Companion Diagnostics *J Med Chem.* 2023;65(24):16741-16753.

Ogawa K, Nishizawa K, Washiyama K, Munekane M, Fuchigami T, Echigo H, Mishiro K, Hirata S, Wakabayashi H, Takahashi K, Kinuya S.

Astatine-211-labeled aza-vesamicol derivatives as sigma receptor ligands for targeted alpha therapy *Nucl Med Biol.* 2023;122-123:108369

Okuda K, Nakajima K, Hung G, Wu H, Verschure DO, Verberne HJ, Kitamura C.
Comparison of Taiwanese and European Calibration Factors for Heart-to-Mediastinum Ratio in Multicenter ^{123}I -mIBG Phantom Studies *Ann Nucl Cardiol.* 2023;9(1):54-60.

Okuda K, Nakajima K, Kitamura C, Ljungberg M, Hosoya T, Kirihara Y, Hashimoto M.

Machine learning-based prediction of conversion coefficients for I-123 metaiodobenzylguanidine heart-to-mediastinum ratio *J Nucl Cardiol.* 2023;30(4):1630-1641.

Shibutani T, Konishi T, Ichikawa H, Onoguchi M, Yoneyama H, Ito T, Okuda K, Nakajima K.

Detectability of cold tumors by xSPECT bone technology compared with hot tumors: a supine phantom study. *Phys Eng Sci Med.* 2023 Dec 20. doi:10.1007/s13246-023-01364-y

Shibutani T, Onoguchi M, Kanno T, Kinuya S.

Influence of spill-over for ^{99m}Tc images and the effect of scatter correction for dual-isotope simultaneous acquisition with ^{99m}Tc and ^{18}F using small-animal SPECT-PET/CT system. *Phys Eng Sci Med.* 2023 Oct 30. doi: 10.1007/s13246-023-01348-y

Shibutani T, Onoguchi M, Kanno T, Wakabayashi H, Hiromasa T, Kinuya S

Development of a novel small-animal myocardial phantom can evaluate the image quality of dual-isotope simultaneous acquisition (DISA) *Ann Nucl Med* 2023;36(12):1031-1038.

Takamatsu A, Yoshida K, Watanabe S, Komori T, Inoue D, Taki J, Gabata T

Comparison of ^{18}F -FDG PET Findings of Pegfilgrastim-Induced Aortitis With Other Types of Large-Vessel Vasculitis: A Retrospective Observational Study *Clin Nucl Med.* 2023;48(12):1028-1034.

Takeshita Y, Nomura C, Murai H, Mukai Y, Hirai T, Hamaoka T, Tokuno S, Tanaka T, Goto H, Nakano Y, Usui S, Nakajima K, Takamura M, Takamura T

Study Protocol for the Pleiotropic Effects of Sodium-Glucose Cotransporter 2 Inhibitor on Organ-Specific Sympathetic Nerve Activity and Insulin Sensitivity in Participants with Type 2 Diabetes. *Diabetes Ther.* 2024;15(1):269-280.

Terashima T, Yamashita T, Takemura N, Inaki A, Shimizu A, Harada K, Yamashita T, Kinuya S, Hanada K.

A case of frequent hypoglycemic attacks successfully controlled with capecitabine plus temozolomide and ^{177}Lu -DOTATATE peptide receptor radionuclide therapy in a patient with recurrent pancreatic insulinoma *Clin J Gastroenterol.* 2023;16(5):767-771.

Urbain JL, Scott AM, Lee ST, Buscombe J, Weston C, Hatazawa J, Kinuya S, Singh B, Haidar M, Ross A, Lamoureux F, Kunikowska J, Wadsak W, Dierckx R, Paez D, Giammarile F, Lee KH, O JH, Moshe M, Louw L, More S, Nadel H, Lee D, Wahl R. Theranostic Radiopharmaceuticals: A Universal Challenging Educational Paradigm in Nuclear Medicine J Nucl Med. 2023;64(6):986-991.

Yamashita S, Nakajima K, Okuda K, Yamamoto H, Shibutani T, Yoneyama Tm Tsuji S, Yokoyama K.

Phantom-Based Standardization Method for ¹²³I-meta-iodobenzylguanidine Heart-to-Mediastinum Ratio Validated by D-SPECT Versus Anger Camera Ann Nucl Cardiol. 2023;9(1):85-90.

Yoshida S, Nakata T, Naya M, Momose M, Taniguchi Y, Fukushima Y, Moroi M, Okizaki A, Hashimoto A, Kiko T, Hida S, Takehana K, Nakajima K.

Prognostic Implications of Sarcoidosis Granulomas - Insights From the Multicenter Registry, the Japanese Cardiac Sarcoidosis Prognostic Study Circ Rep. 2023;5(6):252-259.

2) 和文誌

赤谷憲一、若林大志、絹谷清剛
ペプチド受容体放射性核種療法の原理と基礎
胆と膵 2023;44(1):61-67

絹谷清剛
「特集1. 内分泌腫瘍における核医学治療—現状と将来」によせて
日本内分泌外科学会雑誌 2023;40(1):1

國田優志、森博史、絹谷清剛
褐色細胞腫・パラグングリオーマに対する核医学治療
臨床泌尿器科 2023;77(10):806-812

廣正智、張雪、森博史、若林大志、萱野大樹、絹谷清剛
【内分泌腫瘍における核医学治療—現状と将来】褐色細胞腫パラグングリオーマ
日本内分泌外科学会雑誌 2023;40(1):7-11

森 博史、廣正 智、若林 大志、萱野 大樹、絹谷 清剛

【内分泌腫瘍における核医学治療—現状と将来】ペプチド受容体放射性核種療法
日本内分泌外科学会雑誌 2023;40(1):2-6

森 博史、若林 大志、廣正 智、稲木 杏吏、萱野 大樹、絹谷 清剛

Refresher Course 核医学クイックレビュー 第3回 最近話題の核医学治療
画像診断 2023;43(5):469-476

若林大志、張 雪、萱野大樹、絹谷清剛

難治性褐色細胞腫、傍神経節腫に対する ^{131}I -metaiodobenzyl-guanidine
糖尿病、内分泌代謝科 2023;58(5):1-8

若林大志、張 雪、萱野大樹、絹谷清剛

難治性褐色細胞腫、傍神経節腫に対する ^{131}I -metaiodobenzylguanidine 治療
糖尿病・内分泌代謝科 2023;56(5):669-676

渡辺 悟、廣正 智、萱野 大樹、中嶋 憲一

2023年における核医学の最新動向と予想
Rad Fan 2023;21(4):72-77

3) 和書籍

絹谷清剛、若林大志、米山寛人、小西貴広、小川数馬、小野口昌久、澁谷孝行、松田博
史、久慈一英、瀬戸 陽、今林悦子、中嶋憲一、瀧 淳一、松成一朗、渡辺 悟、福岡
誠、稲木杏吏、赤谷憲一、國田優志、横山邦彦、山瀬喬史、廣正 智、森 博史、高田
亜希、萱野大樹

新 核医学テキスト 2023;420頁:中外医学社