

2. 研究業績

(1) 著書

1. Sadato, N., Yonekura, Y.: The cortico-cortical circuitry of the cross-modal plasticity in the blind. Shibasaki, H., Fukuyama, H., Nagamine, T., Mima, T.(eds.): Inter-areal Coupling of Human Brain Function. Elsevier, 159-164, 2002.
2. Fujibayashi, Y., Waki, A.: Development of radiopharmaceuticals based on the knowledge of molecular biology. Nishimura, T., Strauss, H.W., Fukuchi, M.(eds.): The Scintillating Future of Nuclear Medicine. Elsevier, 27-30, 2002.
3. Yonekura, Y.: Nuclear neuroimaging in the 21st century. Nishimura, T., Strauss, H.W., Fukuchi, M.(eds.): The Scintillating Future of Nuclear Medicine. Elsevier, 49-53, 2002.

(2) 原著論文

1. Iidaka, T., Okada, T., Murata, T., Omori, M., Kosaka, H., Sadato, N., Yonekura, Y.: Age-related differences in the medial temporal lobe responses to emotional faces as revealed by fMRI. *Hippocampus*, 12(3), 352-362, 2002.
2. Lewis, J.S., Connett, J.M., Garbow, J.R., Buettner, T.L., Fujibayashi, Y., Fleshman, J.W., Welch, M.J.: Copper-64-pyruvaldehyde-bis(N⁴-methylthiosemicarbazone) for the prevention of tumor growth at wound sites following laparoscopic surgery: monitoring therapy response with microPET and magnetic resonance imaging. *Cancer Research*, 62(2), 445-449, 2002,1.
3. Maruoka, N., Murata, T., Omata, N., Fujibayashi, Y., Yonekura, Y., Wada, Y.: Hypoxic tolerance induction in rat brain slices following 3-nitropropionic acid pretreatment as revealed by dynamic changes in glucose metabolism. *Neuroscience Letters*, 319(2), 83-86, 2002,2.
4. Oyama, N., Akino, H., Kanamaru, H., Suzuki, Y., Muramoto, S., Yonekura, Y., Sadato, N., Yamamoto, K., Okada, K.: ¹¹C-acetate PET imaging of prostate cancer. *The Journal of Nuclear Medicine*, 43(2), 181-186, 2002,2.
5. Oyama, N., Akino, H., Suzuki, Y., Kanamaru, H., Miwa, Y., Tsuka, H., Sadato, N.,

- Yonekura, Y., Okada, K.: Prognostic value of 2-deoxy-2-[F-18]fluoro-D-glucose positron emission tomography imaging for patients with prostate cancer. *Molecular Imaging and Biology*, 4(1), 99-104, 2002,2.
6. Nagamachi, S., Jinnouchi, S., Kurose, T., Nishii, R., Kawai, K., Futami, S., Tamura, S., Matsukura, S.: Serial change in ¹²³I-MIBG myocardial scintigraphy in non-insulin-dependent diabetes mellitus. *Annals of Nuclear Medicine*, 6(1), 33-38, 2002,02.
 7. Haruta, S., Kawai, K., Nishii, R., Jinnouchi, S., Ogawara, K., Higaki, K., Tamura, S., Arimori, K., Kimura, T.: Prediction of plasma concentration-time curve of orally administered theophylline based on a scintigraphic monitoring of gastrointestinal transit in human volunteers. *International Journal of Pharmaceutics*, 233(1-2), 179-190, 2002,2.
 8. Kitagawa, Y., Nishizawa, S., Sano, K., Sadato, N., Maruta, Y., Ogasawara, T., Nakamura, M., Yonekura, Y.: Whole-body ¹⁸F-fluorodeoxyglucose positron emission tomography in patients with head and neck cancer. *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 93(2), 202-207, 2002,2.
 9. Tsuchida, T., Sadato, N., Nishizawa, S., Yonekura, Y., Itoh, H.: Effect of postprandial hyperglycaemia in non-invasive measurement of cerebral metabolic rate of glucose in non-diabetic subjects. *European Journal of Nuclear Medicine and Molecular Imaging*, 29(2), 248-250, 2002,2.
 10. Takeuchi, R., Yonekura, Y., Matsuda, H., Konishi, J.: Usefulness of a three-dimensional stereotaxic ROI template on anatomically standardised ^{99m}Tc-ECD SPET. *European Journal of Nuclear Medicine and Molecular Imaging*, 29(3), 331-341, 2002,3.
 11. Toyohara, J., Waki, A., Takamatsu, S., Yonekura, Y., Magata, Y., Fujibayashi, Y.: Basis of FLT as a cell proliferation marker: comparative uptake studies with [³H]thymidine and [³H]arabinothymidine, and cell-analysis in 22 asynchronously growing tumor cell lines. *Nuclear Medicine and Biology*, 29(3), 281-287, 2002,4.
 12. Toyoda, H., Nishizawa, S., Shiozaki, T., Ueno, M., Konishi, J.: A simplified double-injection method to quantify cerebral blood flow and vascular reserve using iodine-123 IMP-SPECT. *Annals of Nuclear Medicine*, 16(2), 127-135, 2002,4.

13. Mizutani, A., Furukawa, T., Adachi, Y., Ikehara, S., Taketani, S.: A zinc-finger protein, PLAGL2, induces the expression of a proapoptotic protein Nip3, leading to cellular apoptosis. *The Journal of Biological Chemistry*, 277(18), 15851-15858, 2002,5.
14. Nakano, A., Yonekura, Y., Lee, J-D., Shimizu, H., Takahashi, N., Horikoshi, M., Okura, K., Tsuchida, T., Ueda, T.: Reversible defect of ¹²³I-15-(p-iodophenyl)-9-(R,S)-methylpentadecanoic acid indicates residual viability within infarct-related area. *Annals of Nuclear Medicine*, 16(3), 183-187, 2002,5.
15. Naito, E., Kochiyama, T., Kitada, R., Nakamura, S., Matsumura, M., Yonekura, Y., Sadato, N.: Internally simulated movement sensations during motor imagery activate cortical motor areas and the cerebellum. *The Journal of Neuroscience*, 22(9), 3683-3691, 2002,5.
16. Sadato, N., Okada, T., Honda, M., Yonekura, Y.: Critical period for cross-modal plasticity in blind humans: a functional MRI study. *Neuroimage*, 16(2), 389-400, 2002,6.
17. Kawakami, O., Kaneoke, Y., Maruyama, K., Kakigi, R., Okada, T., Sadato, N., Yonekura, Y.: Visual detection of motion speed in humans: spatiotemporal analysis by fMRI and MEG. *Human Brain Mapping*, 16(2), 104-118, 2002,6.
18. Muramoto, S., Uematsu, H., Sadato, N., Tsuchida, T., Matsuda, T., Hatabu, H., Yonekura, Y., Itoh, H.: H₂¹⁵O positron emission tomography validation of semiquantitative prostate blood flow determined by double-echo dynamic MRI: a preliminary study. *Journal of Computer Assisted Tomography*, 26(4), 510-514, 2002,7-8.
19. Omata, N., Murata, T., Takamatsu, S., Maruoka, N., Wada, Y., Yonekura, Y., Fujibayashi, Y.: Hypoxic tolerance induction in rat brain slices following hypoxic preconditioning due to expression of neuroprotective proteins as revealed by dynamic changes in glucose metabolism. *Neuroscience Letters*, 329(2), 205-208, 2002,8.
20. Kanosue, K., Sadato, N., Okada, T., Yoda, T., Nakai, S., Yoshida, K., Hosono, T., Nagashima, K., Yagishita, T., Inoue, O., Kobayashi, K., Yonekura, Y.: Brain

activation during whole body cooling in humans studied with functional magnetic resonance imaging. *Neuroscience Letters*, 329(2), 157-160, 2002,8.

21. Toyohara, J., Hayashi, A., Sato, M., Tanaka, H., Haraguchi, K., Yoshimura, Y., Yonekura, Y., Fujibayashi, Y.: Rationale of 5-¹²⁵I-iodo-4'-thio-2'-deoxyuridine as a potential iodinated proliferation marker. *The Journal of Nuclear Medicine*, 43(9), 1218-1226, 2002,9.
22. Kosaka, H., Omori, M., Murata, T., Iidaka, T., Yamada, H., Okada, T., Takahashi, T., Sadato, N., Itoh, H., Yonekura, Y., Wada, Y.: Differential amygdala response during facial recognition in patients with schizophrenia: an fMRI study. *Schizophrenia Research*, 57, 87-95, 2002,9.
23. Sata, Y., Matsuda, K., Mihara, T., Aihara, M., Yagi, K., Yonekura, Y.: Quantitative analysis of benzodiazepine receptor in temporal lobe epilepsy: [¹²⁵I]iomazenil autoradiographic study of surgically resected specimens. *Epilepsia*, 43(9), 1039-1048, 2002,9.
24. 佐藤哲大, 菅 幹生, 湊小太郎, 米倉義晴, 椋沢宏之: 局所的非対称性を考慮した頭部 MR 画像の対称軸検出アルゴリズム. *信学技法*, 49-54, 2002,9.
25. Muramoto, S., Uematsu, H., Kimura, H., Ishimori, Y., Sadato, N., Oyama, N., Matsuda, T., Kawamura, Y., Yonekura, Y., Okada, K., Itoh, H.: Differentiation of prostate cancer from benign prostate hypertrophy using dual-echo dynamic contrast MR imaging. *European Journal of Radiology*, 44(1), 52-58, 2002,10.
26. Uematsu, H., Maeda, M., Sadato, N., Ishimori, Y., Matsuda, T., Koshimoto, Y., Kimura, H., Yamada, H., Kawamura, Y., Takeuchi, H., Yonekura, Y., Itoh, H.: Measurement of the vascularity and vascular leakage of gliomas by double-echo dynamic magnetic resonance imaging: a preliminary study. *Investigative Radiology*, 37(10), 571-576, 2002,10.
27. Hanakawa, T., Honda, M., Sawamoto, N., Okada, T., Yonekura, Y., Fukuyama, H., Shibasaki, H.: The role of rostral Brodmann area 6 in mental-operation tasks: an integrative neuroimaging approach. *Cerebral Cortex*, 12(11), 1157-1170, 2002,11.
28. Nakashima, M., Tanese, N., Ito, M., Auerbach, W., Bai, C., Furukawa, T., Toyono, T., Akamine, A., Joyner, AL.: A novel gene, GliH1, with homology to the Gli zinc

finger domain not required for mouse development. *Mechanisms of Development*, 119(1), 21-34, 2002,11.

29. Lewis, J.S., Herrero, P., Sharp, T.L., Engelbach, J.A., Fujibayashi, Y., Laforest, R., Kovacs, A., Gropler, R.J., Welch, M.J.: Delineation of hypoxia in canine myocardium using PET and copper(II)-diacetyl-bis (N⁴-methylthiosemicarbazone). *The Journal of Nuclear Medicine*, 43(11), 1557-1569, 2002,11.
30. Inoue, H., Furukawa, T., Giannakopoulos, S., Zhou, S., King, D.S., Tanese, N.: Largest subunits of the human SWI/SNF chromatin-remodeling complex promote transcriptional activation by steroid hormone receptors. *The Journal of Biological Chemistry*, 277(44), 41674-41685, 2002,11.
31. Nihashi, T., Kakigi, R., Okada, T., Sadato, N., Kashikura, K., Kajita, Y., Yoshida, J.: Functional magnetic resonance imaging evidence for a representation of the ear in human primary somatosensory cortex: comparison with magnetoencephalography study. *Neuroimage*, 17(3), 1217-1226, 2002,11.
32. Kurokawa, T., Yoshida, Y., Kawahara, K., Tsuchida, T., Fujibayashi, Y., Yonekura, Y., Kotsuji, F.: Whole-body PET with FDG is useful for following up an ovarian cancer patient with only rising CA-125 levels within the normal range. *Annals of Nuclear Medicine*, 16(7), 491-493, 2002,11.
33. Muramoto, S., Yamada, H., Sadato, N., Kimura, H., Konishi, Y., Kimura, K., Tanaka, M., Kochiyama, T., Yonekura, Y., Itoh, H.: Age-dependent change in metabolic response to photic stimulation of the primary visual cortex in infants: functional magnetic resonance imaging study. *Journal of Computer Assisted Tomography*, 26(6), 894-901, 2002,11.
34. Uematsu, H., Matsuda, T., Takahashi, M., Inoue, H., Hayashi, K., Yamada, H., Yonekura, Y., Itoh, H.: Susceptibility-induced changes in signal intensity from spin-echo versus gradient-echo sequences. *Clinical Imaging*, 26(6), 367-370, 2002,11-12.

(3) 総説

1. Fujibayashi, Y., Furukawa, T., Takamatsu, S., Yonekura, Y.: Molecular imaging: An old and new field connecting basic science and clinical medicine. *Journal of*

Cellular Biochemistry Supplement, 39, 85-89, 2002.

2. 藤林靖久: 遺伝子発現イメージング. 日本心臓核医学会ニュースレター, 4(4), 8, 2002.
3. 米倉義晴, 定藤規弘: 機能的 MRI と PET を用いた脳賦活検査. Radioisotopes, 51(1), 36-43, 2002,1.
4. 藤林靖久, 米倉義晴, 高松真二, 吉本光喜: 再生医療における細胞追跡. 日本エム・イー学会雑誌 BME, 16(2), 39-44, 2002,2.
5. 米倉義晴: 画像で見る脳の機能. 未来エネルギー研究協会誌 みらい, 9, 5-6, 2002,3.
6. 米倉義晴: 脳機能イメージングの進歩. 環境と健康, 15(2), 64-71, 2002,4.
7. 藤林靖久: PET 製剤の現状と将来. Radiology Frontier, 5(2), 17-20, 2005,5.
8. 米倉義晴, 定藤規弘: 非侵襲的脳機能評価法. 総合リハビリテーション, 30(7), 627-631, 2002,7.
9. 米倉義晴: PET 薬剤保険適用の現状と将来. 医学のあゆみ, 202(6・7), 373-376, 2002,8.
10. 藤林靖久: 低酸素状態の画像化から内用放射線治療へ. 医学のあゆみ, 202(6・7), 391-392, 2002,8.
11. 西澤貞彦: てんかんへの応用. 映像情報メディカル, 34(13), 1236-1240, 2002,10.

(4) その他の報告

1. 川井恵一: 脳内神経伝達機能の画像診断を可能にする新規放射性診断薬の開発に関する研究. 平成 11~13 年度科学研究費補助金基盤研究(B)(2) 研究成果報告書, 1-64, 2002.
2. 脇 厚生, 豊原 潤, 藤林靖久: In vivo 腫瘍増殖能診断法による放射線治療効果予知の検討. 第 6 回医用原子力技術に関する研究助成総合報告会, 2002,7, 東京. 報告書, 17-22, 2002,7.

(5) 学会発表

1. 下司 徹, 李 鐘大, 清水寛正, 中野 顕, 大倉清隆, 堀越元三郎, 豊田清浩, 上田孝

- 典, 土田龍郎, 伊藤春海, 藤林靖久, 米倉義晴: 心電図同期心筋 PET の臨床的有用性. 第 37 回北陸循環器核医学研究会, 2002,1, 金沢.
2. 川井恵一, 水上典子, 高村徳人, 西井龍一, 陣之内正史: 血清蛋白結合置換薬による薬物動態制御法の確立. 脳血流診断薬 ^{123}I -IMP の臨床応用可能な結合置換薬の探索. 第 20 回金沢大学放射性同位元素研究連絡会, 2002,3, 金沢.
 3. 豊原 潤: 放射性ハロゲン標識ヌクレオシド誘導体による細胞増殖診断剤の開発. 日本薬学会第 122 年会「インビボ分子イメージングを目指した画像診断薬剤の動向」, 2002,3, 幕張.
 4. 高村徳人, 帖佐悦男, 奥村学, 川井恵一, 横田 崇, 緒方賢次, 田島直也, 有森和彦: 慢性関節リウマチ (RA) 患者に対する鎮痛薬ナブメトンの効果的な投与方法. 日本薬学会第 122 年会, 2002,3, 幕張.
 5. 川井恵一, 高村徳人, 西井龍一, 陣之内正史, 長町茂樹, 田村正三, 有森和彦, 小田切優樹: 蛋白結合置換による放射性医薬品の動態制御(10)複数の結合部位を有する脳血流診断薬の脳集積促進効果. 日本薬学会第 122 年会, 2002,3, 幕張.
 6. 中川美鈴, 上原知也, 宮本重彦, 中田英夫, 小池幸子, 安藤興一, 川井恵一, 入江俊章, 井上 修, 荒野 泰: 脳腫瘍の放射線治療効果判定薬剤としての 3-iodo-alpha-methyl-L-tyrosine の評価. 日本薬学会第 122 年会, 2002,3, 幕張.
 7. Nakano, A., Lee, J-D., Shimizu, H., Yamazaki, T., Arai, K., Sakai, K., Okura, K., Horikoshi, M., Nakaya, R., Toyoda, K., Geshi, T., Ueda, T., Fujibayashi, Y., Yonekura, Y.: Does the presence of augmented FDG uptake always indicate residual viability within infarct-related area? The 66th Annual Scientific Meeting of the Japanese Circulation Society, 2002,4, Sapporo. Circulation Journal, 66(suppl.1), 328, 2002,3.
 8. Toyoda, K., Lee, J-D., Shimizu, H., Nakano, A., Yamazaki, T., Sakai, K., Arai, K., Okura, K., Horikoshi, M., Nakaya, R., Ueda, T., Geshi, T., Yonekura, Y.: Impaired myocardial oxygen metabolism in non-infarct-related area during early after onset of myocardial infarction. The 66th Annual Scientific Meeting of the Japanese Circulation Society, 2002,4, Sapporo. Circulation Journal, 66(suppl.1), 329, 2002,3.
 9. Horikoshi, M., Lee, J-D., Shimizu, H., Nakano, A., Okura, K., Geshi, T., Toyoda,

- K., Ueda, T., Yonekura, Y.: Intravenous glucose-insulin-potassium administration can improve oxygen metabolism of stunned but viable myocardium after reperfusion therapy. The 66th Annual Scientific Meeting of the Japanese Circulation Society, 2002,4, Sapporo. Circulation Journal, 66(suppl.1), 331, 2002,3.
10. Geshi, T., Lee, J-D., Shimizu, H., Nakano, A., Yamazaki, T., Arai, K., Sakai, K., Okura, K., Horikoshi, M., Nakaya, R., Toyoda, K., Ueda, T., Itoh, H., Yonekura, Y.: Usefulness of ECG gated N-13 ammonia positron emission tomography for assessing global and regional left ventricular function. The 66th Annual Scientific Meeting of the Japanese Circulation Society, 2002,4, Sapporo. Circulation Journal, 66(suppl.1), 454, 2002,3.
 11. 出村芳樹, 藤田匡邦, 水野史朗, 若林聖伸, 飴島慎吾, 宮森 勇, 石崎武志, 米倉義晴: 肺抗酸菌感染症における FDG-PET 画像の検討. 第 77 回日本結核病学会総会, 2002,4, 東京. 結核, 77(3), 296, 2002,3.
 12. Zubal, G., Fujibayashi, Y., Maruoka, N., Omata, N., Yonekura, Y.: Automated kinetic analysis of FDG uptake in living rat brain slices from dynamic positron autoradiography. Seventh International Radiopharmaceutical Dosimetry Symposium, 2002,4, Nashville(USA).
 13. 小幡篤史, 吉本光喜, 高松真二, 古川高子, 藤林靖久: 腫瘍における低酸素組織診断薬剤 Cu-ATSM の滞留とミクロソーム電子伝達系酸素の発現. 第 12 回金属の関与する生体関連反応シンポジウム-日々の生活と金属-, 2002,5, 京都. 講演要旨集, 108-109, 2002,4.
 14. Okura, K., Lee, J-D., Shimizu, H., Nakano, A., Horikoshi, M., Tsutani, H., Itoh, H., Fujibayashi, Y., Yonekura, Y., Ueda, T.: Increased washout rate in technetium-99m-tetrofosmin myocardial SPECT in patients with subcritical adriamycin-induced cardiotoxicity. 26th International Congress of Internal Medicine, 2002,5, Kyoto(Japan).
 15. 佐藤哲大, 菅 幹生, 湊小太郎, 豊田浩士, 柏倉健一, 米倉義晴, 栲沢宏之: 局所的非対称性を有する頭部 MR 画像の対称性検出法. 第 41 回日本エム・イー学会大会, 2002,5, 京都. 日本エム・イー学会誌, 40, 177, 2002,5.
 16. Fujibayashi, Y.: Molecular basis of hypoxia-targeted tumor imaging/radiotherapy. The 49th Annual Meeting of the Society of Nuclear Medicine Workshop "Modern Imaging

Technology: Basic Science in Medical Applications ” , 2002,6, Los Angeles(USA).

17. Zubal, G., Fujibayashi, Y., Maruoka, N., Omata, N., Yonekura, Y.: Automated spatial registration and regional analysis of living rat brain slices from dynamic FDG autoradiography. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 147P, 2002,5.
18. Okura, K., Lee, J-D., Shimizu, H., Nakano, A., Uzui, H., Horikoshi, M., Tsuchida, T., Nishizawa, S., Fujibayashi, Y., Yonekura, Y., Ueda, T.: Mitochondrial complex I activity is reduced in latent adriamycin-induced cardiotoxicity of rat. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 169P, 2002,5.
19. Zubal, G., Nishizawa, S., Fujibayashi, Y., Yonekura, Y.: Dual-isotope spect brain imaging using ^{123}I and $^{99\text{m}}\text{Tc}$ for two independent activation tasks. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 200P, 2002,5.
20. Maruoka, N., Murata, T., Omata, N., Fujibayashi, Y., Wada, Y., Yonekura, Y.: Induction of hypoxic tolerance in rat brain slices by pretreatment with 3-nitropropionic acid as revealed by positron autoradiography. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 238P, 2002,5.
21. Lewis, J.S., Ye, D., Connett, J.M., Fujibayashi, Y., Kim, J.Y., Engelbach, J.A., Laforest, R., Welch, M.J.: Intratumoral administration of ^{64}Cu -ATSM or ^{61}Cu -ATSM: therapeutic comparison in GW39 tumor. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 279P, 2002,5.
22. Toyohara, J., Hayashi, A., Sato, M., Gogami, A., Tanaka, H., Haraguchi, K., Yoshimura, Y., Yonekura, Y., Fujibayashi, Y.: Synthesis and biological evaluation of 5- ^{125}I -iodo-4'-thio-nucleoside derivatives as a novel iodinated proliferation marker. The 49th Annual Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA), The Journal of Nuclear Medicine, 43(5), 371P, 2002,5.
23. Fujibayashi, Y., Obata, A., McCarthy, D.W., Kasamatsu, S., Welch, M.J.: Production of therapeutic ^{64}Cu radionuclide, using a ultra-small cyclotron. The 49th Annual

Meeting of the Society of Nuclear Medicine, 2002,6, Los Angeles(USA). The Journal of Nuclear Medicine, 43(5), 373P, 2002,5.

24. Ohira, H., Nomura, M., Haneda, k., Iidaka, T., Sadato, N., Okada, T., Yonekura, Y.: Role of amygdala in subliminal priming of valenced face: further fMRI evidence of affective priming. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
25. Nomura, M., Iidaka, T., Kakehi, K., Okada, T., Sadato, N., Yonekura, Y.: Neural mechanism for matching tasks using the faces of clearly expressed facial emotions and typical gender. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
26. Matsumoto, A., Ohira, H., Iidaka, T., Nomura, M., Kashikura, K., Yonekura, Y.: Neural mechanisms of subliminal repetition priming on word stem completion task. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
27. Horiuchi, T., Nomura, M., Iidaka, T., Sadato, N., Okada, T., Yonekura, Y.: Differences between self-referent encoding and other encodings: An event related fMRI study. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
28. Kochiyama, T., Okada, T., Morita, T., Matsumura, M., Yonekura, Y., Sadato, N.: Correction and diagnosis of task-related heteroscedasticity in fMRI time-series using Independent component analysis. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
29. Kashikura, K., Sato, T., Toyoda, H., Nishizawa, S., Fujibayashi, Y., Yonekura, Y.: The frequency dependence of BOLD fMRI response induced in human V1 is influenced by different photic patterns. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
30. Kashikura, K., Sato, T., Toyoda, H., Nishizawa, S., Fujibayashi, Y., Yonekura, Y.: Brain hemodynamics during graded visual stimulation measured by near infrared spectroscopy (NIRS). 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).

31. Iidaka, T., Yamashita, K., Haneda, K., Kashikura, K., Yonekura, Y.: Spatial frequency of visual image modulated neural activities in the temporo-occipital regions: An event-related fMRI study. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
32. Sato, T., Toyoda, H., Kashikura, K., Hasan, K., Alexander, A., Yonekura, Y.: A segmentation method of human brain white matter using diffusion distance at 3.0 T MRI. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
33. Naito, E., Kochiyama, T., Kitada, R., Nakamura, S., Matsumura, M., Yonekura, Y., Sadato, N.: Internally simulated movement sensations during motor imagery activate cortical motor areas and the cerebellum. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
34. Naito, E., Kochiyama, T., Kitada, R., Morita, T., Nakamura, S., Yonekura, Y., Matsumura, M., Sadato, N.: Visual representation of self-limb movement modulates neuronal activity in the primary motor cortex during kinesthetic illusion. 8th International Conference on Functional Mapping of the Human Brain, 2002,6, Sendai(Japan).
35. 藤林靖久: 低酸素の画像化. 第 32 回日本医学放射線学会生物部会 放射線による制癌シンポジウム, 2002,6, 秋田.
36. 下司 徹, 李 鐘大, 清水寛正, 中野 顕, 荒井健哉, 酒井克哉, 大倉清隆, 中野玲子, 豊田清浩, 天谷直貴, 上田孝典, 米倉義晴: 障害心筋の病態把握における心電図同期アンモニア PET の有用性. 第 103 回日本循環器学会北陸地方会, 2002,7, 金沢.
37. Takeuchi, R., Yonekura, Y., Konishi, J.: Fully automated quantification of regional cerebral blood flow with three-dimensional stereotaxic ROI template: validation of the method using MRI. Annual Congress of the European Association of Nuclear Medicine, 2002,8, Vienna(Austria). European Journal of Nuclear Medicine and Molecular Imaging, 29(suppl.1), S276, 2002,8.
38. Nishizawa, S., Tsuchida, T., Yonekura, Y.: Evaluation of the dual table ARG method to quantify two sequential rCBFs in a single SPET session with IMP. Annual Congress of the European Association of Nuclear Medicine, 2002,8, Vienna(Austria). European Journal of Nuclear Medicine and Molecular Imaging, 29(suppl.1), S277, 2002,8.

39. Nishii, R., Kawai, K., Nishimura S., Kinuya, S., Uehara, T., Nagamachi, S., Arano, Y., Tonami, N., Tamura, S.: A novel tumor-seeking agent for malignant melanoma based on specific enzyme of melanin formation: 3-Iodo-4-hydroxyphenyl-cysteamine. Annual Congress of the European Association of Nuclear Medicine, 2002.8, Vienna(Austria). European Journal of Nuclear Medicine and Molecular Imaging, 29(suppl.1), S234, 2002,8.
40. Sato, T., Suga, M., Minato, K., Yonekura, Y., Kabasawa, H.: 局所的非対称性を考慮した頭部 MR 画像の対称軸検出アルゴリズム. 電子情報通信学会技術研究報告, 2002,9, 岐阜.
41. 木村浩彦, 椛沢宏之, 石森佳幸, 米倉義晴, 伊藤春海: CASL v.s. FAIR によるスピラベル法による MR 信号特性の違い: 3TCASL-perfusion imaging の現状をふまえて. 第 30 回日本磁気共鳴医学会大会, 2002,9, 東京. 日本磁気共鳴医学会雑誌, 22(suppl), 212, 2002,9.
42. 松田 豪, 木村浩彦, 石森佳幸, 米倉義晴, 伊藤春海: 1H MRS を用いての人脳における NAA, Glutamine, Glutamate 定量の試み. 第 30 回日本磁気共鳴医学会大会, 2002,9, 東京. 日本磁気共鳴医学会雑誌, 22(suppl), 249, 2002,9.
43. 角 弘諭, 木村浩彦, 越元佳朗, 伊藤春海, 米倉義晴: 高磁場 3T-MR マシンを用いた脳代謝物質の絶対集積量や局在性分布に関する検討. 第 30 回日本磁気共鳴医学会大会, 2002,9, 東京. 日本磁気共鳴医学会雑誌, 22(suppl), 282, 2002,9.
44. Shikano, N., Kawai, K., Nakajima, S., Miyamoto, T., Kubota, N., Ishikawa, N., Kubodera, A.: Biodistribution of 3-[¹²³I]iodo-alpha-methyl-L-tyrosine in human colon cancer DLD-1 implanted nude-mouse KSN-slc. 8th Congress of the World Federation of Nuclear Medicine and Biology, 2002,9, Santiago(Chile).
45. Nishii, R., Kawai, K., Nishimura, S., Kinuya, S., Uehara, T., Nagamachi, S., Arano, Y., Tonami, N., Tamura, S.: Synthesis and biodistribution study of 3-iodo-4-hydroxyphenyl-cysteamine for detection of malignant melanoma based on specific enzyme of melanin formation. 8th Congress of the World Federation of Nuclear Medicine and Biology, 2002,9, Santiago(Chile).
46. Shikano, N., Kawai, K., Nakajima, S., Miyamoto, T., Kubota, N., Ishikawa, N., Kubodera, A.: Transport selectivity of 3-[¹²³I]iodo-alpha-methyl-L-tyrosine in human L-type amino acid transporters. 8th Congress of the World Federation of

Nuclear Medicine and Biology, 2002,9, Santiago(Chile).

47. Shikano, N., Kawai, K., Nakajima, S., Miyamoto, T., Kubota, N., Ishikawa, N., Kubodera, A.: Transport of artificial amino acid into kidney epithelial cell line monolayer: 3-[¹²⁵I]iodo-alpha-methyl-L-tyrosine comparison with L-[¹⁴C]Tyr. 8th Congress of the World Federation of Nuclear Medicine and Biology, 2002,9, Santiago(Chile).
48. 竹谷 茂, 垣本和宏, 柁木龍一, 古川高子: (P)ABC-7 Transporter のへム合成への関与. 第 75 回日本生化学会大会, 2002,10, 京都. 生化学, 74(8), 1025, 2002,8.
49. 水谷昌志, 古川高子, 足立 靖, 宗川吉汪, 竹谷 茂: ジンクフィンガー蛋白質 PLAGL2 のアポトーシス誘導機構. 第 75 回日本生化学会大会, 2002,10, 京都. 生化学, 74(8), 1080, 2002,8.
50. 藤林靖久, 小幡篤史, 古川高子, 米倉義晴: 低酸素耐性の獲得とその画像化. 第 61 回日本癌学会総会, 2002,10, 東京.
51. 多田村栄二, 久保滋人, 豊田浩士, マメーデマルセロ, 小西淳二: ハンドグリップ負荷が ATP 注入時心筋血流に与える影響-カフェイン摂取前後の検討-. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 337, 2002,9.
52. 久保滋人, 多田村栄二, 豊田浩士, マメーデマルセロ, 向 高弘, 間賀田泰寛, 北野治廣, 玉木長良, 小西淳二: [0-15]H₂O PET を用いた ATP 及びジピリダモール負荷時心筋血流量の定量的評価-カフェイン制限、摂取時の比較-. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 337, 2002,9.
53. 吉本光喜, 川井恵一, 石田 康, 間賀田泰寛, 向 高弘, 小西淳二, 佐治英郎: 病態モデル動物における機能解析(1)パーキンソン病モデルラットの発症過程解析における PET の応用. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 340, 2002,9.
54. 土田龍郎, 伊藤春海, 出村芳樹, 西澤貞彦, 米倉義晴: 肺 FDG-PET における SUV 増加率 想定の有効性について. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 367, 2002,9.
55. 水上典子, 川井恵一, 西井龍一, 陣之内正史, 長町茂樹, 田村正三: 蛋白結合置換による放射性医薬品の動態制御(11) ¹²³I-IMP の脳集積促進に対する静注製剤の応用. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 377, 2002,9.

56. 西澤貞彦, 米倉義晴, 土田龍郎, 伊藤春海: IMP脳血流連続2回測定における dual-table ARG 法の精度. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 390, 2002,9.
57. 中島修一, 鹿野直人, 石川演美, 窪田宣夫, 畠山六郎, 川井恵一: 大腸癌細胞への 3-[¹²⁵I]iodo- α -methyl-L-tyrosine の取り込み特性の検討. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 408, 2002,9.
58. 鹿野直人, 中島修一, 窪田宣夫, 石川演美, 畠山六郎, 川井恵一, 久保寺昭子: 放射性医薬品の腎上皮細胞 LLC-PK1 モノレイヤーによる分泌・再吸収 in vitro 実験系の検討. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 408, 2002,9.
59. 鹿野直人, 中島修一, 畠山六郎, 石川演美, 川井恵一, 稲富 淳, 金井好克, 遠藤 仁, 平真己人, 村上朋史, 浜崎孝一: 3-Iodo- α -methyl-tyrosine の中性アミノ酸輸送蛋白アイソフォーム選択性. 第 42 回日本核医学会総会, 2002,11, 神戸. 核医学, 39(3), 410, 2002,9.
60. Ohtsubo, K., Minowa, M.T., Takamatsu, S., Yoshida, A., Takeuchi, M., Marth, J.D.: Production and characterization of mice lacking the N-glycan GlcNAcT-IV biosynthetic and branching glycosyltransferases encoded by the Magt4a and Mgat4b genes. The 7th Annual Conference of the Society for Glycobiology, 2002,11, Boston(USA). Glycobiology, 12(10), 693, 2002,10.
61. 安楽 誠, 丸山 徹, 川井恵一, 小田切優樹: ヒト血清アルブミンの構造と機能に及ぼす酸化の影響: In vitro-in vivo の相関性. 第 17 回日本薬物動態学会年会, 2002,11, 東京.
62. 小坂浩隆, 大森晶夫, 村田哲人, 飯高哲也, 岡田知久, 定藤規弘, 米倉義晴, 和田有司: 顔の反復提示による扁桃体と後部帯状回の賦活変化-fMRI による検討-. 第 32 回日本臨床神経生理学学会・学術大会, 2002,11, 福島.
63. 嵯峨 亮, 河合康幸, 田中延宜, 吉田正博, 加藤雅之, 正村克彦, 宮森 勇, 米倉義晴: 心室頻拍を呈した心サルコイド - シスの一例. 日本循環器学会東海第 119 回北陸第 104 回合同学術集会, 2002,11, 三重.
64. 天谷直貴, 李 鐘大, 清水寛正, 中野 顕, 豊田清浩, 下司 徹, 上田孝典, 伊藤春海, 米倉義晴: microvascular angina における冠微小循環障害と ATP 負荷タリウム心筋シンチ所見との関連. 日本循環器学会東海第 119 回北陸第 104 回合同学術集会, 2002,11, 三重.

65. 下司 徹, 李 鐘大, 清水寛正, 中野 顕, 豊田清浩, 天谷直貴, 上田孝典, 伊藤春海, 米倉義晴: ATP 負荷タリウム心筋シンチ正常例の予後. 日本循環器学会東海第 119 回北陸第 104 回合同学術集会, 2002,11, 三重.
66. 高村徳人, 帖佐悦男, 奥村 学, 緒方賢次, 藤田健一, 山崎啓之, 川井恵一, 有森和彦: 薬剤師のためのニューツール薬学的分布診断法. 第 66 回九州山口薬学大会, 2002,11, 沖縄.
67. 柏倉健一, 佐藤哲大, 豊田浩士, 西澤貞彦, 定藤規弘, 米倉義晴: fMRI と NIR 同時計測. 岡崎生理学研究所研究会「神経科学の道具としての fMRI」, 2002,11, 岡崎.
68. 佐藤哲大, 柏倉健一, 米倉義晴: テンソル画像. 岡崎生理学研究所研究会「神経科学の道具としての fMRI」, 2002,11, 岡崎.
69. 定藤規弘, 山田弘樹, 米倉義晴: 機能的 MRI をもちいた新生児脳代謝活動変化の画像化. 岡崎生理学研究所研究会「神経科学の道具としての fMRI」, 2002,11, 岡崎.
70. 岩尾康範, 安楽 誠, 川井恵一, 未永綾香, 小田切優樹: 部位特異的変異法によるヒト血清アルブミンの消失に関するアミノ酸残基の検索. 第 24 回生体膜と薬物の相互作用シンポジウム, 2002,11, 名古屋.
71. Tsuchida, T., Demura, Y., Itoh, H., Nishizawa, S., Yonekura, Y.: The utility of delayed scan and retention Index for the diagnosis of pulmonary lesion in FDG-PET. The Radiological Society of North America 88th Scientific Assembly and Annual Meeting, 2002,12, Chicago(USA).
72. 小林正和, 西村恭子, 吉本光喜, 西井龍一, 上原知也, 田村正三, 荒野 泰, 川井恵一: 腫瘍の診断・治療に用いる放射性医薬品(10)腫瘍の代謝亢進を利用した新規アミン化合物. 第 2 回放射性医薬品画像診断薬研究会, 2002,12, 京都.
73. 高村徳人, 帖佐悦男, 奥村 学, 緒方賢次, 日高宗明, 藤田健一, 山崎啓之, 児玉裕文, 川井恵一, 有森和彦: 薬剤師のためのニューツール薬学的分布診断法に基づく薬物投与設計. 第 19 回日本薬学会九州支部大会, 2002,12, 福岡.
74. 豊原 潤: 放射性ハロゲン標識ヌクレオシド誘導体による細胞増殖診断剤の開発. 第 2 回放射性医薬品画像診断薬研究会, 2002,12, 京都.