

Naito, Y.; Hirano, S.; Honjo, I.; Okazawa, H.; Ishizu, K.; Takahashi, H.; Fujiki, N.; Shiomi, Y.; Yonekura, Y.; Konishi, J.: Sound-induced activation of auditory cortices in cochlear implant users with post- and prelingual deafness demonstrated by positron emission tomography. *Adv. Otorhinolaryngol*, 52, 19-23, 1997.

Tanaka, F., Yonekura, Y., Ikeda, A., Terada, K., Mikuni, N., Nishizawa, S., Ishizu, K., Okazawa, H., Hattori, N., Shibasaki, H., Konishi, J., Onishi, Y.: Presurgical identification of epileptic foci with iodine-123 iomazaniil SPET: comparison with brain perfusion SPET and FDG PET. *European Journal of Nuclear Medicine*, 24(1), 27-34, 1997,1. #3.097

Hirano, S., Naito, Y., Okasawa, H., Kojima, H., Honjo, I., Ishizu, K., Yonekura, Y., Nagahama, Y., Fukuyama, H., Konishi, J.: Cortical activation by monaural speech sound stimulation demonstrated by positron emission tomography. *Experimental Brain Research*, 113(1), 75-80, 1997,1. #2.049

Saji, H., Watanabe, A., Magata, Y., Ohmomo, Y., Kiyono, Y., Yamada, Y., Iida, Y., Yonekura Y., Konishi, J., Yokoyama, Y.: Synthesis and characterization of radioiodinated (S)-5-iodonicotine: a new ligand for potential imaging of brain nicotinic cholinergic receptors by single photon emission computed tomography. *Chemical & Pharmaceutical Bulletin*, 45(2), 284-290, 1997,2. #1.309

Honda, M., Nagamine, T., Fukuyama, H., Yonekura, Y., Kimura, J., Shibasaki, H.: Movement-related cortical potentials and regional cerebral blood flow change in patients with stroke after motor recovery. *Journal of the Neurological Sciences*, 146(2), 117-126, 1997,3. #1.735

小笠原利行, 石井保雄, 北川善政, 山田哲史, 定藤規弘, 米倉義晴: 口腔悪性腫瘍における PET と他の画像診断との比較について. *日本口腔外科学會雑誌*, 43(3), 182-184, 1997,3.

Higuchi, Y., Maihara, T., Hattori, H., Furusho, K., Okazawa, H., Ishizu, K., Yonekura, Y.: [18F]-Fluorodeoxyglucose-positron emission tomography findings in preterm infants with severe periventricular leukomalacia and

hyparrhythmia. *Eur. J. Pediatr.*, 156, 236-238, 1997,5. #1.127

Tsuchida, C., Yamada, H., Maeda, M., Sadato, N., Matsuda, T., Kawamura, Y., Hayashi, N., Yamamoto, K., Yonekura, Y., Ishii, Y.: Evaluation of peri-infarcted hypoperfusion with T2*-weighted dynamic MRI. *Journal of Magnetic Resonance Imaging*, 7(3), 518-522, 1997,5-6.

Sadato, N., Ibanez, V., Campbell, G., Deiber, M.-P., Bihan, D. L., Hallett, M.: Frequency-dependent changes of regional cerebral blood flow during finger movements: Functional MRI compared to PET. *Journal of Cerebral Blood Flow and Metabolism*, 17(6), 670-679, 1997,6. #5.952

Takechi, H., Onoe, H., Shizuno, H., Yoshikawa, E., Sadato, N., Tsukada, H., Watanabe, Y.: Mapping of cortical areas involved in color vision in non-human primates. *Neuroscience Letters*, 230,17-20, 1997,6. #2.090

Fujibayashi, Y., Waki, A., Sakahara, H., Konishi, J., Yonekura, Y., Ishii, Y., Yokoyama, A.: Transient increase in glycolytic metabolism in cultured tumor cells immediately after exposure to ionizing radiation: from gene expression to deoxyglucose uptake. *Radiation Research*, 147(6), 729-734, 1997,6. #2.356

Naito, Y., Hirano, S., Honjo, I., Okazawa, H., Ishizu, K., Takahashi, H., Fujiki, N., Shiomi, Y., Yonekura, Y., Konishi, J.: Sound-induced activation of auditory cortices in cochlear implant users with post- and prelingual deafness demonstrated by positron emission tomography. *Acta Otolaryngol (Stockh)*, 117, 490-496, 1997,7. #0.572

Fujibayashi, Y., Tajima, N., Wada, K., Waki, A., Sakahara, H., Konishi, J., Yokoyama, A.: Radioiodinated - - iodophenyl-N-tert-butyl nitron as a radical detecting agent in vivo. *Nuclear Medicine & Biology*, 24(5), 399-403, 1997,7. #0.815

Fujibayashi, Y., Taniuchi, H., Yonekura, Y., Ohtani, H., Konishi, J., Yokoyama, A.: Copper-62-ATSM: a new hypoxia imaging agent with high membrane permeability and low redox potential. *Journal of Nuclear Medicine*,

38(7), 1155-1160, 1997,7. #3.929

Sadato, N., Carson, R. E., Daube-Witherspoon, M. E., Campbell, G., Hallett, M., Herscovitch, P.: Optimization of noninvasive activation studies with 15O-water and three-dimensional positron emission tomography. *Journal of Cerebral Blood Flow and Metabolism*, 17(7), 732-739, 1997,7. #5.952

Hirano, S., Kojima, H., Naito, Y., Honjo, I., Kamoto, Y., Okazawa, H., Ishizu, K., Yonekura, Y., Nagahama, Y., Fukuyama, H., Konishi, J.: Cortical processing mechanism for vocalization with auditory verbal feedback. *NeuroReport*, 8, 2379-2382, 1997,7. #2.487

Kojima, H., Hirano, S., Shoji, K., Naito, Y., Honjo, I., Kamoto, Y., Okazawa, H., Ishizu, K., Yonekura, Y., Nagahama, Y., Fukuyama, H., Konishi, J.: The role of the temporal coding system in the auditory cortex on speech recognition. *NeuroReport*, 8 (9-10), 2395-2398, 1997,7. #2.487

Taniuchi, H., Fujibayashi, Y., Yonekura, Y., Konishi, J., Yokoyama, A.: Hyperfixation of copper-62-PTSM in rat brain after transient global ischemia. *The Journal of Nuclear Medicine*, 37(7), 1130-1134, 1997,7. #3.929

Waki, A., Fujibayashi, Y., Sadato, N., Tsuchida, T., Ishii, Y., Yokoyama, A., Yonekura, Y.: Effects of antitumor agents on 3H-2-deoxyglucose uptake in tumor cells and their relationship with the main targets of the antitumor agents. *Annals of Nuclear Medicine*, 11(3), 183-188, 1997,8.

内田研造, 前沢靖久, 定藤規弘: PETを用いた頸髄グルコース代謝活性の画像診断と臨床応用. *整形外科*, 48(9), 1257-1258, 1997,8.

Yang, J.-T., Yamamoto, K., Sadato, N., Tsuchida, T., Takahashi, N., Hayashi, N., Yonekura, Y., Ishii, Y.: Clinical value of triple-energy window scatter correction in simultaneous dual-isotope single-photon emission tomography with 123I-BMIPP and 201Tl. *European Journal of Nuclear Medicine*, 24(9), 1099-1106, 1997,9. #3.097

Cohen, L. G., Celnik, P., Pascual-Leone, A., Corwell, B., Faiz, L.,

Dambrosia, J., Honda, M., Sadato, N., Gerloff, C., Catala, M. D., Hallett, M.: Functional relevance of cross-modal plasticity in blind humans. *Nature*, 389,180-183, 1997,9. #28.417

Dong, Y., Fukuyama, H., Nabatame, H., Yamauchi, H., Shibasaki, H., Yonekura, Y.: Assessment of benzodiazepine receptors using Iodine-123-labeled iomazenil single-photon emission computed tomography in patients with ischemic cerebrovascular disease. *Stroke*, 28(9), 1776-1782, 1997,9. #3.804

Takeuchi, R., Matsuda, H., Yonekura, Y., Sakahara, H., Konishi, J.: Noninvasive quantitative measurements of regional cerebral blood flow using technetium-99m-L,L-ECD SPECT activated with acetazolamide: quantification analysis by equal-volume-split 99mTc-ECD consecutive SPECT method. *Journal of Cerebral Blood Flow and Metabolism*, 17(10), 1020-1032, 1997,10. #5,952

Waki, A., Fujibayashi, Y., Yonekura, Y., Sadato, N., Ishii, Y., Yokoyama, A.: Reassessment of FDG uptake in tumor cells: high FDG uptake as a reflection of oxygen-independent glycolysis dominant energy production. *Nuclear Medicine & Biology*, 24(7), 665-670, 1997,10. #0.815

米倉義晴, 杉原秀樹, 谷口義光, 青木悦雄, 古市健治, 宮崎吉春: 非侵襲的マイクロスフェア法による IMP 脳血流 SPECT の定量化. *核医学*, 34,901-907, 1997,10.

Sihver, W., Sihver, S., Bergstrom, M., Murata, T., Matsumura, K., Onoe, H., Andersson, Y., Bjurling, P., Fasth, K. J., Westerberg, G., Ogren, M., Jacobson, G., Lundqvist, H., Oreland, L., Watanabe, Y., Langstrom, B.: Methodological aspects for in vitro characterization of receptor binding using 11C-labelled receptor ligands: a detailed study with the benzodiazepine receptor antagonist 11C-Ro15-1788. *Nuclear Medicine & Biology*, 24(8), 723-731, 1997,11.

Tsuchida, T., Yonekura, Y., Wada, Y., Sadato, N., Yamamoto, K., Waki, A., Nakano, A., Lee, J.-D., Hayashi, N., Ishii, Y.: Delayed enhancement of myocardial FDG uptake on glucose loading FDG-PET in NIDDM patient. *Annals*

of Nuclear Medicine, 11(4), 331-334, 1997,11.

Tsuchida, T., Sadato, N., Yonekura, Y., Yamamoto, K., Waki, A., Sugimoto, K., Yang, J.-T., Ishizu, K., Hayashi, N., Ishii, Y.: Quantification of regional cerebral blood flow with continuous infusion of technetium-99m-ethyl cysteinate dimer. The Journal of Nuclear Medicine, 38(11), 1699-1702, 1997,11. #3.929

Yamada, H., Sadato, N., Konishi, Y., Kimura, K., Tanaka, M., Yonekura, Y., Ishii, Y.: A rapid brain metabolic change in infants detected by fMRI. NeuroReport, 8(17), 3775-3778, 1997,12. #2.487

Sadato, N., Yonekura, Y., Waki, A., Yamada, H., Ishii, Y.: Role of the supplementary motor area and the right premotor cortex in the coordination of bimanual finger movements. The Journal Neuroscience, 17(24), 9667-9674, 1997,12. #3.908

Wang, J., Magata, Y., Hattori, N., Choi, S.R., Yonekura, Y., Tamaki, N., Tanaka, F., Matsuzaki, S., Konishi, J.: Observation on the effects of Chinese medicine Zhenxuanin for improving cerebral blood flow in rats with cerebral ischemia. Journal of Traditional Chinese Medicine, 17(4), 299-303, 1997,12.

西本康宏, 田中雅人, 福島哲弥, 指江浩之, 石田智一, 小室裕冉, 林信成, 定藤規弘, 石井靖, 牧野珠美, 小倉久和: DSA 画像における不均等移動補正を用いた registration 法の開発. 日本放射線技術学会雑誌, 53(12), 1795-1801, 1997,12.