

Publications 2008

Denholt, C. L. Development of new radiolabelled PET-ligands for a cancer specific epidermal growth factor receptor and their applications for cancer diagnosis. PhD thesis defended September 17th 2008 at Rigshospitalet.

Frøkjær VG. Relating cerebral serotonin 2A receptor and serotonin transporter binding to personality and familial risk for mood disorder. København. PhD-thesis defended June 11th 2008 at Copenhagen University, The Faculty of Health.

Gerlach C. Visual object recognition and category-specificity. DMSc thesis. Defended November 7th 2008 at Copenhagen University, The Faculty of Health.

Olesen, OV. "Motion correction on high resolution PET brain imaging". MSc thesis. Defended October 10th 2008 at Rigshospitalet, Copenhagen University Hospital, The Faculty of Health Sciences and DTU.

Andersen PA, Chakera AH, Klausen TL, Binderup T, Grossjohann HS, Friis E et al. Radiation exposure to surgical staff during F-18-FDG-guided cancer surgery. *Eur J Nucl Med Mol Imaging* 2008;35:624-9.

Bilde A, von BC, Therkildsen MH, Mortensen J, Kirkegaard J, Charabi B et al. Need for intensive histopathologic analysis to determine lymph node metastases when using sentinel node biopsy in oral cancer. *Laryngoscope* 2008;118:408-14.

Binderup T, Knigge U, Mellon MA, Palnæs Hansen C, Kjær A. Quantitative gene expression of somatostatin receptors and noradrenaline transporter underlying scintigraphic results in patients with neuroendocrine tumors. *Neuroendocrinology* 2008;87:223-32..

Chakera AH, Hansen LB, Lock-Andersen J, Drzewiecki KT, Hesse B. In-transit sentinel nodes must be found: implication from a 10-year follow-up study in melanoma. *Melanoma Res* 2008;18:359-64.

Crandall CG, Wilson TE, Marving J, Vogelsang TW, Kjær A, Hesse B et al. Effects of passive heating on central blood volume and ventricular dimensions in humans. *J Physiol* 2008;586:293-301.

Dümcke CW, Møller S. Autonomic dysfunction in cirrhosis and portal hypertension. *Scand J Clin Lab Invest* 2008;68:437-47.

Eckardt R, Andersen LI, Hesse B. Nuclear cardiology and coronary surgery. *Panminerva Med* 2008;50:119-27.

Engelholm SA, Højgaard L. Ny teknologi vil gavne danske kræftpatienter. *Kronik. Berlingske Tidende* 2008; 10. maj.

Erritzoe D, Rasmussen H, Kristiansen KT, Frøkjær VG, Haugbøl S, Pinborg L et al. Cortical and subcortical 5-HT_{2A} receptor binding in neuroleptic-naïve first-episode schizophrenic patients. *Neuropsychopharmacology* 2008;33:2435-41.

Fisker Hag AM, Pedersen SF, Kjær A. Gene expression of LOX-1, VCAM-1, and ICAM-1 in pre-atherosclerotic mice. *Biochem Biophys Res Commun* 2008;377:689-93.

Frøkjær VG, Pinborg LH, Madsen J, de NR, Svarer C, Wagner A et al. Evaluation of the Serotonin Transporter Ligand 123I-ADAM for SPECT Studies on Humans. *J Nucl Med* 2008;49:247-54.

Frøkjær VG, Mortensen EL, Nielsen FA, Haugbøl S, Pinborg LH, Adams KH et al. Frontolimbic serotonin 2A receptor binding in healthy subjects is associated with personality risk factors for affective disorder. *Biol Psychiatry* 2008;63:569-76.

Græbe M, Pedersen SF, Borgwardt L, Hojgaard L, Sillesen H, Kjær A. Molecular Pathology in Vulnerable Carotid Plaques: Correlation with [18]-Fluorodeoxyglucose Positron Emission Tomography (FDG-PET). *Eur J Vasc Endovasc Surg* 2008;December 26;E-pub.

Gutte H, Leth PC, Kjær A, Hesse B. Recent advances in nuclear cardiology. *Panminerva Med* 2008;50:105-18.

Hall NM, Gjedde A, Kupers R. Neural mechanisms of voluntary and involuntary recall: a PET study. *Behav Brain Res* 2008;186:261-72.

Hansen CL, Hansen PR, Pedersen N, Poulsen HS, Gillings N, Kjær A. Identification of amino acid residues in PEPHC1 important for binding to the tumor-specific receptor EGFRvIII. *Chem Biol Drug Des* 2008;72:273-8.

Hasselbach SG, Madsen K, Svarer C, Pinborg LH, Holm S, Paulson OB, Waldemar G, Knudsen GM. Reduced 5-HT_{2A} receptor binding in patients with mild cognitive impairment. *Neurobiol. Aging*. 2008;29:1830-8.

Hesse B, Lindhardt TB, Acampa W, Anagnostopoulos C, Ballinger J, Bax JJ et al. EANM/ESC guidelines for radionuclide imaging of cardiac function. *Eur J Nucl Med Mol Imaging* 2008;35:851-85.

Hesse B, Petersen CL, Marcassa C, Bax JJ, Bengel F, Reyes E, et al. Myocardial perfusion scintigraphy. Exact and cost-effective coronary disease imaging-secondary publication. *Ugeskr Laeger* 2008;170:3637-9.

Hesse B, Heuer J, Gebauer E. Rehabilitation in the View of Small and Midsized Enterprises: Knowledge, Appreciation and Possibilities to Cooperate - Results of the KoRB-Project. *Rehabilitation*. 2008;47:324-33.

Hove JD, Rasmussen R, Freiberg J, Holm S, Kelbæk H, Kofoed KE. Clinical evaluation of iterative reconstruction (ordered-subset expectation maximization) in dynamic positron emission tomography: quantitative effects on kinetic modeling with N-13 ammonia in healthy subjects. *J Nucl Cardiol* 2008;15:530-4.

Højgaard L. Stronger medical research in Europe? *Ugeskr Laeger* 2008;170:3633.

Højgaard L. Kvoter ingen løsning for kvinder på KU. *Universitetsavisen* 2008;9:22-3.

Højgaard L, Børsting A, Kjærgaard L, Adamsen L, Overgaard Andersen N, Dirkinck-Holmfeld L, Goldschmidt L, Gram L, Hougaard Jensen SE. Forskningspolitiske udfordringer – nye veje for dansk sundhedsvidenskabelig forskning. *Danmarks Forskningspolitiske Råd* 2008:1-104.

Højgaard L et al. *Advancing Systems Biology for Medical Applications*. European Science Foundation, Strasbourg, France 2008:1-12.

Højgaard L et al. *ESF-EMRC Position on the Proposed Revision of the Directive on the Protection of Animals Used for Experimental and Other Scientific Purposes*. European Science Foundation, Strasbourg, France 2008:1-4.

Højgaard L et al. *European Science Foundation calls for more and better medical imaging research*. *Medicine and Molecular Imaging* 35. European Science Foundation, Strasbourg, France 2008(9):1749-57.

Højgaard L et al. *Structural Medicine II: The Importance of Lipidomics for Health and Disease*. European Science Foundation, Strasbourg, France 2008:1-8.

Højgaard L et al. *Population Surveys and Biobanking*. European Science Foundation, Strasbourg, France 2008:1-10.

Iversen HK, Holm S, Friberg L, Tfelt-Hansen P. Intracranial hemodynamics during intravenous infusion of glyceryl trinitrate. *J Headache Pain* 2008;9:177-80.

Jensen MM, Jørgensen JT, Binderup T, Kjær A. Tumor volume in subcutaneous mouse xenografts measured by microCT is more accurate and reproducible than determined by ¹⁸F-FDG-microPET or external caliper. *BMC Med Imaging* 2008;8:16.

Johansen J, Buus S, Loft A, Keiding S, Overgaard M, Hansen HS et al. Prospective study of ¹⁸F-FDG-PET in the detection and management of patients with lymph node metastases to the neck from an unknown primary tumor. Results from the DAHANCA-13 study. *Head Neck* 2008;30:471-8.

Kalbitzer J, Frøkjær VG, Erritzoe D, Svarer C, Cumming P, Nielsen FA et al. The personality trait openness is related to cerebral 5-HTT levels. *Neuroimage* 2008;E-pub.

Kalialis LV, Drzewiecki KT, Mohammadi M, Mehlsen AB, Klyver H. Spontaneous regression of metastases from malignant melanoma: a case report. *Melanoma Res.* 2008;18:279-83.

Keller SH, Lauze F, Nielsen M. Deinterlacing using variational methods. *IEEE Trans Image Process* 2008;17:2015-28.

Knigge U, Hansen CP, Gustafsen J, Kjær A. Endoscopic ultrasonography in patients with suspected neuroendocrine tumors. *Ugeskr Laeger* 2008;170:2469.

Kornum BR, Lind NM, Gillings N, Marner L, Andersen F, Knudsen GM. Evaluation of the novel 5-HT₄ receptor PET ligand [¹¹C]SB207145 in the Gottingen minipig. *J Cereb Blood Flow Metab* 2009;29:186-96.

Kristiansen C, Loft A, Berthelsen AK, Graff J, Lindebjerg J, Bisgaard C et al. PET/CT and histopathologic response to preoperative chemoradiation therapy in locally advanced rectal cancer. *Dis Colon Rectum* 2008;51:21-5.

Kristoffersen US, Lebech AM, Gerstoft J, Hesse B, Petersen CL, Gutte H, et al. Right and left cardiac function in HIV-infected patients investigated using radionuclide ventriculography and brain natriuretic peptide: a 5-year follow-up study. *HIV Med* 2008;9:180-6.

Kupers R, Frøkjær VG, Naert A, Christensen R, Budtz-Joergensen E, Kehlet H et al. A PET [¹⁸F]altanserin study of 5-HT_{2A} receptor binding in the human brain and responses to painful heat stimulation. *Neuroimage* 2009;44:1001-7.

Lebech AM, Kristoffersen US, Wiinberg N, Kofoed K, Andersen O, Hesse B et al. Coronary and peripheral endothelial function in HIV patients studied with positron emission tomography and flow-mediated dilation: relation to hypercholesterolemia. *Eur J Nucl Med Mol Imaging* 2008;35:2049-58.

Lindegren S, Frost S, Back T, Haglund E, Elgqvist J, Jensen H. Direct procedure for the production of ²¹¹At-labeled antibodies with an epsilon-lysyl-3-(trimethylstannyl)benzamide immunoconjugate. *J Nucl Med* 2008;49:1537-45.

Lindquist SG, Holm IE, Schwartz M, Law I, Stokholm J, Batbayli M et al. Alzheimer disease-like clinical phenotype in a family with FTDP-17 caused by a MAPT R406W mutation. *Eur J Neurol* 2008;15:377-85.

Louring-Andersen J, Law I. The effects of bone erosion from aortic aneurysm on the regional uptake of FDG. *Clin Nucl Med* 2008;33:482-3.

Madsen JL, Graff J. Effects of the H₂-receptor antagonist ranitidine on gastric motor function after a liquid meal in healthy humans. *Scand J Clin Lab Invest* 2008;68:681-4.

Marcassa C, Bax JJ, Bengel F, Hesse B, Petersen CL, Reyes E, et al. Clinical value, cost-effectiveness, and safety of myocardial perfusion scintigraphy: a position statement. *Eur Heart J* 2008;29:557-63.

Marner L, Knudsen GM, Haugbøl S, Holm S, Baare W, Hasselbalch SG. Longitudinal assessment of cerebral 5-HT_{2A} receptors in healthy elderly volunteers: an [(¹⁸F)]-altanserin PET study. *Eur J Nucl Med Mol Imaging* 2008;E-pub

Mortensen J. Lung scintigraphy-SPECT/CT. The Danish Society of Clinical Physiology and Nuclear Medicine. *Ugeskr Laeger* 2008;170:1040.

Naert AL, Kehlet H, Kupers R. Characterization of a novel model of tonic heat pain stimulation in healthy volunteers. *Pain* 2008;138:163-71.

Pinborg LH, Arfan H, Haugbøl S, Kyvik KO, Hjelmberg JV, Svarer C et al. The 5-HT_{2A} receptor binding pattern in the human brain is strongly genetically determined. *Neuroimage* 2008;40:1175-80.

Ptito M, Schneider FC, Paulson OB, Kupers R. Alterations of the visual pathways in congenital blindness. *Exp Brain Res* 2008;187:41-9.

Ptito M, Fumal A, de Noordhout AM, Schoenen J, Gjedde A, Kupers R. TMS of the occipital cortex induces tactile sensations in the fingers of blind Braille readers. *Exp Brain Res* 2008;184:193-200.

Ptito M, Kupers R. *The Neurology of Consciousness*. Elsevier. 2008:360-74.

Risum S, Høgdall C, Loft A, Berthelsen AK, Høgdall E, Nedergaard L et al. Prediction of sub-optimal primary cytoreduction in primary ovarian cancer with combined positron emission tomography/computed tomography--a prospective study. *Gynecol Oncol* 2008;108:265-70.

Sørensen JB, Ravn J, Loft A, Brenø J, Berthelsen AK. Preoperative staging of mesothelioma by 18F-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography fused imaging and mediastinoscopy compared to pathological findings after extrapleural pneumonectomy. *Eur J Cardiothorac Surg* 2008;34:1090-6.

Stauss J, Franzius C, Pfluger T, Juergens KU, Biassoni L, Begent J, Kluge R, Amthauer H, Voelker T, Højgaard L, Barrington S, Hain S, Lynch T, Hahn K. Guidelines for 18F-FDG PET and PET-CT imaging in paediatric oncology. *Eur J Nucl Med Mol Imaging* 2008;35:1581-8.

Strålman K, Møllerup CL, Kristoffersen US, Elberg JJ. Long-term outcome after mastectomy with immediate breast reconstruction. *Acta Oncol*. 2008;47:704-8.

Strålman K, Kristoffersen US, Galatius H, Lanng C. Factors influencing sentinel lymph node identification failure in breast cancer surgery. *Breast* 2008;17:167-71.

Tagil K, Marving J, Lomsky M, Hesse B, Edenbrandt L. Use of neural networks to improve quality control of interpretations in myocardial perfusion imaging. *Int J Cardiovasc Imaging* 2008;24:841-8.

Tagil K, Bondouy M, Chaborel JP, Djaballah W, Franken PR, Grandpierre S et al. A decision support system improves the interpretation of myocardial perfusion imaging. *Eur J Nucl Med Mol Imaging* 2008;35:1602-7.

Therkelsen SK, Grønning BA, Kjær A, Svendsen JH, Boje JG. ANP and BNP in atrial fibrillation before and after cardioversion--and their relationship to cardiac volume and function. *Int J Cardiol* 2008;127:396-9.

Tuunanen H, Engblom E, Naum A, Nagren K, Scheinin M, Hesse B et al. Trimetazidine, a metabolic modulator, has cardiac and extracardiac benefits in idiopathic dilated cardiomyopathy. *Circulation* 2008;118:1250-8.

Vogelsang TW, Jensen RJ, Hesse B, Kjær A. BNP cannot replace gated equilibrium radionuclide ventriculography in monitoring of anthracycline-induced cardiotoxicity. *Int J Cardiol* 2008;124:193-7.

Vogelsang TW, Hanel B, Kristoffersen US, Petersen CL, Mehlsen J, Holmquist N et al. Effect of eight weeks of endurance exercise training on right and left ventricular volume and mass in untrained obese subjects: a longitudinal MRI study. *Scand J Med Sci Sports* 2008;18:354-9.