

Publications 2007

Haugbøl S. PhD Thesis. Imaging brain serotonin 2A receptors: Methodological and genetic aspects and involvement in Tourette's syndrome. København: Eget forlag 2007:1-79. Defended February 2007 at Copenhagen University, The Faculty of Health Sciences.

Hutchings M. PhD Thesis. FDG-PET and FDG-PET/CT in Hodgkin lymphoma. Diagnostic, prognostic and clinical value in staging, treatment monitoring, and radiotherapy planning. John Wiley & Sons, Ltd. 2006;1-38. Defended 2006 at Copenhagen University, The Faculty of Health Sciences.

Law I. DMSc Thesis. Human brain mapping under increasing cognitive complexity using regional cerebral blood flow measurements and positron emission tomography. Copenhagen, Lægeforeningens Forlag 2007:1-94. Defended August 31st 2007 at Copenhagen University, The Faculty of Health Sciences.

Almqvist Y, Steffen AC, Lundqvist H, Jensen H.J, Tolmachev V, Sundin A. Biodistribution of ²¹¹At-labeled humanized monoclonal antibody A33. Cancer Biother Radiopharm. 2007;22:480-7.

Bastholt L, Specht L, Jensen K, Brun E, Loft A, Petersen J, Kastberg H, Eriksen JG. Phase I/II clinical and pharmacokinetic study evaluating a fully human monoclonal antibody against EGFR (HuMax-EGFR) in patients with advanced squamous cell carcinoma of the head and neck. Radiother Oncol. 2007;85:24-8.

Bering S, Sjøltov L, Wrisberg SS, Berggren A, Alenfall J, Jensen M, Højgaard L, Tetens I, Bukhave K. Viable, lyophilized lactobacilli do not increase iron absorption from a lactic acid-fermented meal in healthy young women, and no iron absorption occurs in the distal intestine. Br J Nutr. 2007;98:991-7.

Berthelsen AK, Dobbs J, Kjellén E, Landberg T, Möller TR, Nilsson P, Specht L, Wambersie A. What's new in target volume definition for radiologists in ICRU Report 71? How can the ICRU volume definitions be integrated in clinical practice? Cancer Imaging 2007;7:104-16.

Billig H, Blakemore C, Bouillion R, Bréchet C, Brunetti A, Gruart A, Højgaard L, Moquin-Patthey C, Peatfield T, Röllinghoff M, Schölmerich J, Stolpe M, Vasar E. Present Status and Future Strategy for Medical Research in Europe. European Science Foundation, Strasbourg 2007;1-51.

Borgwardt L, Loft A, Højgaard L. Special considerations in pediatric PET/CT and SPECT/CT scanning. Clinical Molecular Anatomical Imaging 2nd edition, ed. Gustav von Schulthess. Lippencotte, Williams & Wilkins 2007;66:574-82.

Burton CM, Carlsen J, Mortensen J, Andersen CB, Milman N, Iversen M. Long-term survival after lung transplantation depends on development and severity of bronchiolitis obliterans syndrome. J Heart Lung transplant 2007;26:681-6.

Burton CM, Iversen M, Milman N, Zemtsovski M, Carlsen J, Steinbruchel D, Mortensen J, Andersen CB. Outcome of lung transplanted patients with primary graft dysfunction. Eur J Cardiothorac Surg 2007;31:75-82.

Burton CM, Iversen M, Mortensen J, Carlsen J, Andersen CB, Milman N, Scheike T. Post-transplant Baseline FEV₁ and the development of bronchiolitis obliterans syndrome: an important confounder? *J Heart Lung Transplant* 2007;26:1127-34.

Chebat DR, Chen JK, Schneider F, Ptito A, Kupers R, Ptito M. Alterations in right posterior hippocampus in early blind subjects. *Neuroreport* 2007;18:329-33.

Chebat DR, Rainville C, Kupers R, Ptito M. Tactile-'visual' acuity of the tongue in early blind individuals. *Neuroreport*. 2007;18:1901-4.

Cheng J, Ekberg T, Engström M, Nestor M, Jensen HJ, Tolmachev V, Anniko M. Radioimmunotherapy with ²¹¹Astatine, using chimeric monoclonal antibody U36 in head and neck squamous cell carcinoma. *Laryngoscope*. 2007;117:1013-8.

Crandall CG, Wilson TE, Marving J, Vogelsang TW, Kjaer A, Hesse B, Secher NH. Effects of passive heating on central blood volume and ventricular dimensions in humans. *J Physiol* 2007;586:293-301.

Dümcke C, Madsen JL. Usefulness of SPECT/CT in the diagnosis of intrathoracic goiter versus metastases from cancer of the breast. *Clin Nucl Med*. 2007;32:156-9.

Elfving B, Madsen J, Knudsen GM. Neuroimaging of the serotonin reuptake site requires high-affinity ligands. *Synapse* 2007;61:882-8.

Elgqvist J, Andersson H, Back T, Claesson I, Hultborn R, Jensen HJ, Lindegren S, Olsson M, Palm S, Warnhammar E, Jacobsson L. Fractionated radioimmunotherapy of intraperitoneally growing ovarian cancer in nude mice with (211)At-MX35 F(ab')(2): therapeutic efficacy and myelotoxicity. *Nucl Med Biol*. 2006;33:1065-72.

Elgqvist J, Andersson H, Bernhardt P, Back T, Claesson I, Hultborn R, Jensen HJ, Johansson BR, Lindegren S, Olsson M, Palm S, Warnhammar E, Jacobsson L. Administered activity and metastatic cure probability during radioimmunotherapy of ovarian cancer in nude mice with (211)At-MX35 F(ab')(2). *Int J Radiat Oncol Biol Phys*. 2006;66:1228-37.

Elgqvist J, Andersson H, Bäck T, Claesson I, Hultborn R, Jensen HJ, Johansson BR, Lindegren S, Olsson M, Palm S, Warnhammar E, Jacobsson L. Alpha-radioimmunotherapy of intraperitoneally growing OVCAR-3 tumors of variable dimensions: outcome related to measured tumor size and mean absorbed dose. *J Nucl Med*. 2006;47:1342-50.

Eskild-Jensen A, Holm S, Kragh L, Martiny L, Mortensen J, Oturai P, Rasmussen S, Møller S; Bestyrelsen for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin . [25th anniversary of the Danish Society of Physiology and Nuclear Medicine]. *Ugeskr. Laeg*. 2007;169:1114.

Fischer BM, Mortensen J, Langer SW, Loft A, Berthelsen AK, Petersen BI, Daugaard G, Lassen U, Hansen HH. A prospective study of PET/CT in initial staging of small-cell lung cancer: comparison with CT, bone scintigraphy and bone marrow analysis. *Ann Oncol*. 2007;18:338-45.

Gallamini A, Hutchings M, Rigacci L, Specht L, Merli F, Hansen M, Patti C, Loft A, Di Raimondo F, D'Amore F, Biggi A, Vitolo U, Stelitano C, Sancetta R, Trentin L, Luminari S,

Iannitto. Early interim 2-[¹⁸F]fluoro-2-deoxy-D-glucose positron emission tomography is prognostically superior to international prognostic score in advanced-stage Hodgkin's lymphoma: a report from a joint Italian-Danish study. *J Clin Oncol.* 2007;25:3746-52.

Gutte H, Jakobsson D, Olofsson F, Ohlsson M, Valind S, Loft A, Edenbrandt L, Kjaer A. Automated interpretation of PET/CT images in patients with lung cancer. *Nucl Med Commun.* 2007;28:79-84.

Gutte H, Mortensen J, Jensen C, von der Recke P, Kristoffersen US, Kjær A. Added value of combined simultaneous lung ventilation-perfusion SPECT/multislice-CT angiography in two patients suspected of having acute pulmonary embolism. *The Clinical Respiratory Journal* 2007;1:52-5.

Haugbøl S, Pinborg LH, Arfan HM, Frøkjær V, Madsen J, Dyrby TB, Svarer C, Knudsen GM. Reproducibility of 5-HT_{2A} receptor measurements and sample size estimations with [¹⁸F]altanserin PET using a bolus/infusion approach. *Eur J Nucl Med Mol Imaging* 2007;34:910-5.

Haugbøl S, Pinborg LH, Regeur L, Hansen ES, Bolwig TG, Nielsen FA, Svarer C, Skovgaard LT, Knudsen GM. Cerebral 5-HT_{2A} receptor binding is increased in patients with Tourette's syndrome. *Int J Neuropsychopharmacol* 2007;10:245-52.

Hesse B, Chakera AH. Sentinel node diagnostik. *Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udviking.* 2007;14:50-52.

Holm S, Borgwardt L, Loft A, Graff J, Law I, Højgaard L. Pediatric doses-a critical appraisal of the EANM paediatric dosage card. *Eur J Nucl Med Mol Imaging.* 2007;34:1713-8.

Holm S. PET/SPECT – CT – Hybridteknikker. *Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udviking.* 2007;11:41-3.

Hornum M, Burton CM, Iversen M, Hovind P, Hilsted L, Feldt-Rasmussen B, Decline in ⁵¹Cr labelled EDTA measured Glomerular Filtration Rate following Lung Transplantation. *Nephrol Dial Transplant* 2007;22:3616-22.

Hovind P, Lamberts S, Hop W, Deinum J, Tarnow L, Parving H-H, and Janssen JAMJL, An Insulin-like Growth Factor-I gene polymorphism modifies the risk of developing persistent microalbuminuria in Type 1 diabetes, *Eur J Endocrinol* 2007;156:83-90.

Hovind P. Progression of microalbuminuria and diabetic nephropathy. *International Diabetes Monitor* 2007;2:3-10.

Hutchings M, Loft A, Hansen M, Berthelsen AK, Specht L. Clinical impact of FDG-PET/CT in the planning of radiotherapy for early-stage Hodgkin lymphoma. *Eur J Haematol* 2007;78:206-12.

Hutchings M, Borgwardt L, Loft A, Højgaard L. PET/CT and SPECT/CT in pediatric tumors and infections. *Clinical Molecular Anatomical Imaging* 2nd edition, ed. Gustav von Schulthess. Lippencott, Williams & Wilkins 2007;67:583-96.

Højgaard L, Specht L. PET/CT in head and neck cancer. *Eur J Nucl Med Mol Imaging*. 2007; 34:1329-33.

Højgaard L, Borgwardt L. PET/CT and SPECT/CT in non-neoplastic, non-inflammatory pediatric diseases. *Clinical Molecular Anatomical Imaging* 2nd edition, ed. Gustav von Schulthess. Lippincott, Williams & Wilkins 2007;68:597-601.

Højgaard L. Forskning inden for nuklearmedicin: Nutid og fremtid. Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udvikling. 2007;17:60-2.

Jørgensen EA, Knigge U, Warberg J, Kjaer A. Histamine and the regulation of body weight. *Neuroendocrinology* 2007;86:210-4.

Kjaergaard J, Svendsen JH, Sogaard P, Chen X, Nielsen HB, Kober L, Kjaer A, Hassager C. Advanced Quantitative echocardiography in arrhythmogenic right ventricular cardiomyopathy. *J Am Soc Echocardiogr* 2007;20:27-35

Kristensen CA, Kjaer-Kristoffersen F, Sapru W, Berthelsen AK, Loft A, Specht L. Nasopharyngeal carcinoma. Treatment planning with IMRT and 3D conformal radiotherapy. *Acta Oncol*. 2007;46:214-20.

Kupers R, Maeyaert J, Boly M, Faymonville M-L, Laureys S. Naloxone-insensitive epidural placebo analgesia in a chronic pain patient. *Anesthesiology* 2007;106:1239-42.

Kupers R, Pappens M, Ptito M, Fumal A. rTMS of the occipital cortex abolishes Braille reading and repetition priming in blind subjects. *Neurology* 2007;68:691-3.

Law I, Borgwardt L, Højgaard L. Brain tumors: Other primary tumors, metastases and radiation injury imaged with PET and SPECT. *Clinical Molecular Anatomical Imaging*, 2nd edition, ed. Gustav von Schulthess. Lippincott Williams & Wilkins; 2007;23:164-74.

Lebech AM, Kristoffersen US, Mehlsen J, Wiinberg N, Petersen CL, Hesse B, Gerstoft J, Kjaer A. Autonomic Dysfunction in HIV Patients on Antiretroviral Therapy: Studies of Heart Rate Variability. *Clin Physiol Funct Imaging* 2007; 27: 363-7.

Lebech AM, Wiinberg N, Kristoffersen US, Hesse B, Petersen CL, Gerstoft J, Kjaer A. Carotid intima-media thickness in non-smoking HIV patients treated with antiretroviral therapy: focus on lipid profile. *Clin Physiol Funct Imaging* 2007;27:173-9.

Loft A, Berthelsen AK, Roed H, Ottosen C, Lundvall L, Knudsen J, Nedergaard L, Højgaard L, Engelholm SA. The diagnostic value of PET/CT scanning in patients with cervical cancer: A prospective study. *Gynecol Oncol*. 2007;106:29-34.

Loft A, Højgaard L. PET til onkologi. Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udvikling. 2007;13:47-9.

Madsen JL, Fuglsang S, Graff J. Single photon emission computed tomography for gastric volume assessment: a method with observer-defined regions of interest. *Nucl Med Commun*. 2007;28:135-40.

Marks J, Højgaard L. Medical Imaging for Improved Patientcare. Science Polify Briefing European Science Foundation, Strasbourg 2007;28:1-8.

Marthin JK, Mortensen J, Pressler T, Nielsen KG. Pulmonary radioaerosol mucociliary clearance in diagnosis of primary ciliary dyskinesia. *Chest* 2007;132:966-976.

Mortensen J, Fischer BM. Nuclear Medicine Techniques and Applications in pulmonology with a special emphasis on PET. *Turkiye Klinikleri J Int Med Sci* 2006;2:68-74.

Mortensen J, Loft A, Baslund B. 18F-Fluoro-deoxyglucose PET for monitoring treatment in sarcoidosis. *The Clinical Respiratory Journal* 2007;1:124-6.

Mortensen J. Lungeundersøgelser. Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udviking. 2007;3:14-16.

Oturai PS. Endokrinologi. Jubilæumsskrift 1982-2007. 25 år for Dansk Selskab for Klinisk Fysiologi og Nuklearmedicin. Status og udviking. 2007;8:31-3.

Palm S, Bäck T, Claesson I, Danielsson A, Elgqvist J, Frost S, Hultborn R, Jensen HJ, Lindegren S, Jacobsson L. Therapeutic efficacy of Astatine-211-labeled Trastuzumab on radioresistant SKOV-3 tumors in nude mice. *Int J Radiat Oncol Biol Phys.* 2007;69:572-9.

Patil S, Biassoni L, Borgwardt L. Nuclear medicine in pediatric neurology and neurosurgery: epilepsy and brain tumors. *Semin Nucl Med.* 2007 Sep; 37 (5): 357-81. Review

Persson M, Gedda L, Jensen HJ, Lundqvist H, Malmström PU, Tolmachev V. Astatinated trastuzumab, a putative agent for radionuclide immunotherapy of ErbB2 expressing tumors. *Oncol Rep.* 2006;5:673-80.

Petersen AM, Penkowa M, Iversen M, Frydelund-Larsen L, Andersen JL, Mortensen J, Lange P, Pedersen BK. Elevated Levels of IL-18 in Plasma and Skeletal Muscle in Chronic Obstructive Pulmonary Disease. *Lung* 2007;185:161-71.

Peyron R, Kupers R, Jehl JL, Garcia-Larrea L, Convers P, Barral FG, Laurent B. Central representation of the RIII flexion reflex associated with overt motor reaction: an fMRI study. *Neurophysiol Clin.* 2007;37:249-59.

Ponsaing LG, Kiss K, Loft A, Jensen LI, Hansen MB. Diagnostic procedures for submucosal tumors in the gastrointestinal tract. *World J Gastroenterol.* 2007;13:3301-10.

Popkov A, Nádvořník M, Žborská PK, Lyčka A, Lehel S, Gillings N. Towards stereoselective radiosynthesis of α -[¹¹C]methyl-substituted aromatic α -amino acids - a challenge of creation of quaternary asymmetric centre in a very short time. *J Label Compd Radiopharm* 2007;50:370-4.

Rappeport ED, Loft A, Berthelsen AK, von der Recke P, Larsen PN, Mogensen AM, Wettergren A, Rasmussen A, Hillingsoe J, Kirkegaard P, Thomsen C. Contrast-enhanced FDG-PET/CT vs. SPIO-enhanced MRI vs. FDG-PET vs. CT in patients with liver metastases from colorectal cancer: a prospective study with intraoperative confirmation. *Acta Radiol.* 2007;48:369-78.

Rappeport ED, Loft A. Liver metastases from colorectal cancer: imaging with superparamagnetic iron oxide (SPIO)-enhanced MR imaging, computed tomography and positron emission tomography. *Abdom Imaging*. 2007;32:624-34.

Risum S, Høgdall C, Loft A, Berthelsen AK, Høgdall E, Nedergaard L, Lundvall L, Engelholm SA. The diagnostic value of PET/CT for primary ovarian cancer - a prospective study. *Gynecol Oncol*. 2007;105:145-9.

Schou M, Gustafsson F, Corell P, Kistorp CN, Kjaer A, Hildebrandt PR. The relationship between N-terminal pro-brain natriuretic peptide and risk for hospitalization and mortality is curvilinear in patients with chronic heart failure. *Am Heart J* 2007;154:123-9.

Schou M, Gustafsson F, Kistorp CN, Correll P, Kjaer A, Hildebrandt PR. Anaemia and NT-proBNP carry independent prognostic information in chronic heart failure patients. *Am J Cardiol* 2007;100:1571-6.

Schou M, Gustafsson F, Kistorp CN, Correll P, Kjaer A, Hildebrandt PR. The effects of body-mass-index and age on N-terminal-pro-Brain-Natriuretic-Peptide are associated with glomerular filtration rate in chronic heart failure patients. *Clin Chem* 2007;53:1928-35.

Schou M, Gustafsson F, Kjaer A, Hildebrandt PR. Long-term clinical variation of NT-proBNP in stable chronic heart failure patients. *Eur Heart J* 2007;28:177-82.

Schou M, Gustafsson F, Nielsen PH, Madsen LH, Kjaer A, Hildebrandt PR. Unexplained week-to-week variation of BNP and NT-proBNP is low in chronic heart failure patients during steady state. *Eur J Heart Fail* 2007;9:68-74.

Shaker SB, Dirksen A, Bach KS, Mortensen J. Imaging in chronic obstructive pulmonary disease. *COPD* 2007;4:143-61.

Vogelsang TW, Jensen RJ, Monrad AL, Russ K, Olesen UH, Hesse B, Kjaer A. Independent effects of both right and left ventricular function on plasma brain natriuretic peptide *Eur J Heart Fail* 2007;9:892-6.

Wang Y, Ripa RS, Jørgensen E, Hesse B, Mortensen S, Kastrup J: Mobilization of haematopoietic and non-haematopoietic cells in severe coronary artery disease. *Scand Cardiovasc J*. 2007;8:1-8

| |
|--|
| The publications from 2006 were not listed in the 2006 Annual Report |
|--|