

Curriculum Vitae

Professor Liselotte Højgaard, MD DMSc

Department of Clinical Physiology, Nuclear Medicine & PET,
Rigshospitalet, University of Copenhagen
Phone: +45 3545 4215 or +45 3545 1792
E-mail: lottepet@rh.dk



Present positions

Head of Department Rigshospitalet, Department of Clinical Physiology, Nuclear Medicine & PET, University of Copenhagen from 2000. <https://goo.gl/v634er>
Professor in Medical Technology, University of Copenhagen, Faculty of Health Sciences.
Adjunct Professor in Advanced Imaging, DTU, The Technical University of Denmark.
Chairman of The Board of The Danish National Research Foundation.
<http://issuu.com/dnrf/docs/dnrf-annual-report-2014>

Bibliography

Born in Copenhagen 1957, Baccalaureate Denmark 1975, MD University of Copenhagen 1982. Clinical education Copenhagen University hospitals in medical gastroenterology and clinical physiology & nuclear medicine. Specialist in clinical physiology & nuclear medicine 1990. Doctor of Medical Sciences, University of Copenhagen 1991.
Consultant Hvidovre Hospital 1994, Dept. of Clinical Physiology & Nuclear medicine.
Consultant Rigshospitalet 1998, Dept. of Clinical Physiology, Nuclear Medicine and PET.
Head of Department, Chief Physician from 2000.

Editor-in-chief Ugeskrift for Læger, the national medical journal in Denmark 1996-2002. Member of the Vancouver group (ICMJE), Chair in 2000 when the authorship criteria were changed in Copenhagen. Author of the "Uniform Requirements" Vancouver guidelines 2001.

Active in teaching pre- and postgraduate since 1980'ies. Founder of the new education at DTU and University of Copenhagen in biomedical engineering. A broad portfolio of positions in Danish and international medical societies, government councils and advisory boards.

International positions: Chair of ESFRI BMS Working Group in Clinical and Translational research. Chair of The Standing Committee of The European Medical Research Councils, EMRC, at ESF, The European Science Foundation, Strasbourg, France, 2006-2012.

Chair of the EU Science Advisory Board The European Commission, Health Research, 2010-2012.

Chair of the Science Advisory Board, The European Commission from 2012, *Health, Demographic Changes & Wellbeing*.

From 2013 Chairman of the Board of The Danish National Research Foundation.

<http://issuu.com/dnrf/docs/dnrf-annual-report-2014>

In 2015 chair of the Danish National Task Force for strengthening women in science, appointed by the Danish Minister.

Knighthood (Ridder af Dannebrog), Denmark, 2007. Chevalier de la Légion d'Honneur, France, 2015.

Research

Research active since medical school in medical technology related to gastroenterology, pathophysiology, clinical physiology, nuclear medicine and PET. Has been one of the pioneers developing and implementing advanced diagnostic imaging with PET/CT and PET/MRI for cancer diagnosis. Supervision of >30 Bachelor-, Master- and PhD candidates. >200 peer review publications, in total 350 publications. International scientific lectures: >100 as invited/key-note speaker. 20 book chapters. Evaluator of numerous master, PhD and DMSc thesis in Denmark and internationally

Leadership

Formal education: High level leadership courses for chief physicians, Danish Medical Association, Center for Leadership and INSEAD Fontainebleau, AWIRA, 2001-2002. Bestyrelses Akademiet 2014. Practical experience: Editor-in-chief Ugeskrift for Læger, the national medical journal in Denmark 1996-2002. Weekly circulation 25,000 and PubMed indexed. Head of Dept. Rigshospitalet from 2000 – 2016. The department is *Global Excellence*, has 160 publications annually, 120,000 patient investigations, staff 250, no waiting list and the highest score on staff satisfaction in Rigshospitalet. International experience as chair of EMRC with office in Strasbourg and international staff. Member and chair of committees, academies and boards in Denmark and internationally, and from 2013 Chairman of the board of The Danish National Research Foundation, a public independent foundation for excellent research of all types in Denmark, responsible for investments of 6 bio. DKK and with an annual budget 0.5 bio DKK. <http://issuu.com/dnrf/docs/dnrf-annual-report-2014>

Awards and Honours

- The Grant of Honour of Kathrine and Jakob Madsen 1999
- The Grant of Honour of Minister Erna Hamilton for Science and Art 2000
- The Prize of Honour for Clinical Physiology and Nuclear Medicine, DK, 2001
- The Medico Prize, DK, 2004
- The Niels A. Lassen Prize, 2005
- The Klein Award, The Medical Society of Copenhagen 2010
- The Ib Henriksen Prize, 2011.

Knighthood (Ridder af Dannebrog), Denmark, 2007.

Chevalier de la Légion d'Honneur, France. 2015.

International Positions, overview

ESFRI

- Danish Member of ESFRI BMS Working Group 2003-2006
- Chair of the Expert Group on Clinical and Translational Medical Research under ESFRI, The European Strategy Forum on Research Infrastructure.

EMRC

- Chair of The Standing Committee of the European Medical Research Councils EMRC, ESF, The European Science Foundation, Strasbourg, 2006-2012.
- Member of The Science Advisory Board, ECRIN, Paris, 2006-2012.
- Member of The Science Advisory Board, ESF, 2007-2011.

Research Policy Advice

- Member of BioVision, The World Life Sciences Forum, France, from 2010.
- Member of the Science Advisory Board, Deutsche Krebsforschungs Zentrum, DKFZ, Heidelberg, 2011-2015.
- Member of the Science Advisory Board, VUMC, Free University Medical Center, Amsterdam, Bioimaging, 2009.
- Member OECD Global Science Forum. Clinical Research, 2009-11.
- Chair, Copenhagen Research Forum, from 2011.
- Member of ESOF Steering Committee, 2012-2014.
- Member of WHO, European Research Advisory Committee, 2013-2014.
- Chair of the Advisory Board, Health Research for The European Commission, Bruxelles, 2010-2012. Budget ~ 1 bio € annually.
- Member of the Science Advisory Board, IMI, The Innovative Medicines Initiative, Bruxelles, from 2008-2011.
- Membre Conseil d'Administration, INSERM, "*Institut national de la santé et de la recherche médicale*", France from 2009. Annual Budget ~ 1 bio €.
- Chair of the Horizon 2020 Advisory Group, the European Commission, Societal Challenge 1: "*Health, Demographic Change and Wellbeing*" from 2013. Budget ~ 1 bio € annually.
- Member of Olav Thon Foundation, Fagrådet.
- Advisor to the French Government 2015-2016: "*Medicin du future*", strategic High Level Group to the Ministers of Health, Science and Economy.

Research councils and advice, Denmark

- President of The Royal Medical Society of Copenhagen, founded 1772. President 2000-2002.
- Medical expert The Danish Medicinal Agency 1987-1993.
- Medical expert for Consultant for The European Medicinal Agency 1990-1993 for the mutual recognition process of Radiopharmaceuticals.

- Member of The Danish Ministry of Justice, Animal Research Council, from 1999.
- Member of The Danish Cancer Society, Medical and Science Advisory Board 2000-2006.
- Member of The Danish Research Policy Council, from 2004.
- Member of AFI, Working group for Research Infrastructure in Denmark, 2003-2006.
- Member ESOF Copenhagen 2014.
- Member of the Cancer Steering Committee, Danish Regions, 2010-
- Member of Advisory Board, KU life, Dept. of Food Science, Faculty of Life Science, 2008-2011.
- Member of Advisory Board, DTU, IMM, 2010-2012.
- Science Advisory Board of the Niels Bohr Archive from 2014
- Member of the Board of The Arvid Nilssons' Foundation, from 2010 Denmark.
- Member of the Board of The BRF Foundation, from 2016, capital 7 mio DKK.
- Member of the Board of The Crown Prince Frederik and Crown Princess Mary's Foundation

Member of Scientific Societies

- Elected member of the Royal Danish Academy of Sciences and Letters.
- Elected member of ATV, The Academy of Technical Sciences, Denmark
- Elected member of The European Academy of Cancer Science
- Elected member of The European Cancer Concord
- The Medical Society of Copenhagen
- Danish Society for Clinical Physiology & Nuclear Medicine
- Danish Society for Gastroenterology
- Danish Society for Hepatology
- Danish Society for Magnetic Resonance
- The Society for Theoretical and Applied Therapy (Selskabet for Teoretisk og Anvendt Terapi)
- Scandinavian Association for Gastroenterology and Endoscopy
- EANM (European Society of Nuclear Medicine & Molecular Imaging)
- SNM (Society of Nuclear Medicine, US)
- The American Society for Molecular Imaging

Grants and research funding

Grants and research funding from private and public Danish and international foundations and research councils app. 350 mio DKK. Most recent years: In 2007 24.8 mio DKK from The Danish Research Council: High Technology Foundation, together with Prof. Andreas Kjær, and the Danish biotech company TopoTarget. In 2007 received 20.5 mio DKK from The John and Birthe Meyer Foundation for a new HRRT dedicated brain PET scanner. 2011 from The John and Birthe Meyer Foundation 35 mio DKK for an integrated PET/MRI scanner.

Research Evaluation – Peer Review Panels

- Member of the peer review panel for the medical program, ESRF, The European Synchrotron Radiation Facility, Grenoble.
- Member of the peer review panel for DKFZ, Deutsches Krebs Forschungs Zentrum, Heidelberg
- Member of the peer review panel for Diagnostic Imaging and Radiation Therapy, University of Zürich
- Evaluator for several Danish and international research foundations and prize committees.
- Professor- and lecture evaluations in Denmark and internationally.
- Chair The Scientific Committee KFJ-Award, The Faculty of Health Sciences, University of Copenhagen.
- Professor, Clinical Physiology & Nuclear Medicine, Lunds University, 2011.
- Professor, Clinical Physiology & Nuclear Medicine, Oslo University, 2011.
- Professor, Clinical Physiology & Nuclear medicine, Medical University of Vienna, 2012.
- Center of Excellence, Guy's & St. Thomas Charity, London.

Master, PhD and Dr.Med.Sci. supervision

- OSVAL II study, Medical Student Peter Hovind 1995, "*Abdominal angina*".
- MD Helle Westergren Hendel, "*Galdestenspatogenetiske faktorer i relation til kropssammensætning og fedtvævs topografi, glukosetolerance og insulinsensitivitet hos adipositas patienter*". PhD grade, University of Copenhagen 1997.
- MD Helle Vestergaard, "*Galdestensmerter og galdemotilitet*", PhD grade University of Copenhagen 1999.
- Scholarstipend, Medical Student Birgitte Klee, "*PET og kliniske undersøgelser af hjernetumorer*", 2000.
- MD Erik Feldager Hansen, PhD "*Endoskopisk ultralyd*", University of Copenhagen 2000.
- MD Annika Eigtved, "*¹⁸F DHT in PET*", PhD University of Copenhagen 2001.
- OSVAL II studie, Medical Student Malene Bjerrregaard Fischer. "*PET og lungecancer, et litteraturstudie*". Published Lancet Oncology.
- OSVAL I study, Medical Student Camilla Bardram. "*PET diagnostic*".2005.
- Minna Vibe, Specialist study in human biology. "*Ekspression af regulatorer involvereti i sukkestofskifte og angiogenese i småcellet lungecancer in vivo og in vitro*" (mark A+ or in Danish 13). Published Neoplasia. PhD University of Copenhagen 2006: "*Evaluation and modulation of angiogenesis and tumor physiology*".
- MD Lise Borgwardt, "*PET with MRI co-registration and image fusion in children with CNS-tumors*". PhD University of Copenhagen. 2004.
- Scholar stipend, Medical Student Julie Bjerglund Andersen, "*MIBG scintigraphy and SPECT/CT compared to PET/CT for diagnosis, staging and treatment monitoring in children with neuroblastom*", 2007, KU.
- Master Student, Biomedical Engineer Oline Vinter Olesen, "*Motion correction in High Resolution PET brain imaging*", 2007, DTU + KU.

- MD, PhD Martin Græbe, *Identification of the vulnerable arterisclerotic plaque with PET/CT*, 2010
- Cand.Scient PhD Student Martin Bech, Niels Bohr Institute, co-supervisor. *"Compact Light Source for medical purposes"* 2009, NAT KU.
- Cand.Scient PhD Student Torben Hougaard Jensen. *"Compact Light Source for medical purposes"*, 2010, NAT KU.
- Master Students, Biomedical Engineers Benjamin Janjooa and Martin Lyngby Lassen, *"Non Invasive quantification of blood flow in the brain"*, 2010, DTU + KU.
- Master Student, Biomedical Engineer, Jawid Rezaie, *"Clinical Potentials and Dosimetric Accuracy of Rotational Sterotactic HybridArc™ Radiotherapy"*, 2011.
- Master Students, Biomedical Engineers Jonas S.Hermansen & Uffe T.Jørgensen, *"Lu-177 treatment of patients with neuroendocrine tumours: Aspects of dosimetry from consecutive gathered patients"*. 2010, KU.
- Master Student, Biomedical Engineer Bianca Bothmann, *"The importance of accurate measurements of radioactivity - actualized by the Fukushima accidentthered patients"*, 2011, DTU + KU.
- Bachelor Student, Biomedical Engineer, Cecilia Klyver & Joachim Simonsen, *"PET/MR phantom studies"*, 2011-2012, DTU + KU.
- Master Student, Biomedical Engineer Martin Erikshøj, *"Structured Light-Based Motion Correction System for MRI/PET brain imaging"*. 31 May 2012.
- Bachelor Student, Maria Danielsen, *"PET/CT til diagnostik af muligt melanom, metaanalyse"*2012.
- PhD Oline Vinter Olesen *"Markerless 3D Head Tracking for Motion Correction in High Resolution PET Brain Imaging"*. University of Copenhagen 2011.
- PhD, Biomedical Engineer Christian Hollensen, *"Planning and Evaluation of Radio-Therapeutic Treatment of Head- and Neck Cancerusing PET/CT scanning"*.
- MD, PhD Julie Marie Grüner, *"Functional diagnostic imaging for brain tumor characterization"*, start 2007, KU, together with Dr. Ian Law.
- Master, Biomedical Engineer Student Martin Christian Axelsen. *"Calibration of Fast 3D Head Tracking Structured Light System"*, 2013.
- Master, Biomedical Engineer Student Kristian Frostholt Røeboe. *"Calibration of Fast 3D Head Tracking Structured Light System"*, 2013.
- PhD Michala Reichkandler. *"Dosis-respons effect of physical exercise on metabolic risk parameters in obese men, KU 2013.*
- MD, PhD Bodil Engelmann, *"Colonic cancer ¹⁸F-FDG PET/CT and molecular markers for staging, prognosis and relapse"*, KU 2014.
- Master thesis, medical student, Kristian Klinkby: *Evaluation of $\alpha v\beta 3$ expression in human U87MG xenograft under microfractionated radio therapy: is $\alpha v\beta 3$ a potential therapeutic target?* University of Copenhagen, 2014.
- Bachelor thesis, Louise Krogager og Hannah Lundbak: *Attenuation correction of 13-C MR coils for simultaneous hyperpolarized MRSI and PET"*. University of Copenhagen, 25th of June 2015.
- Bachelor thesis, David Enslev Nyrnberg, *"Attenuation correction of head-neck board in PET/MR: Application for radiotherapy"*. University of Copenhagen, 28th of November 2015.
- MD, PhD Julie Bjerglund Andersen, *"MIBG scintigraphy and SPECT/CT compared to PET/CT for diagnosis, staging and treatment monitoring in children with neuroblastom"*, start 2007, together with Professor Gorm Greisen. University of Copenhagen, KU 2016.
- Bachelor of medicine, Caroline Espersen, start 2016, *Imaging of liver function*, together with consultant Lise Borgwardt, MD PhD.

- Masters of bioengineering Louise Sølvsten Ørum og Rikke , start 2016. *Implementation af to systemer til texturanalyse ved PET/CT af sarkomer*, sammen med Flemming Andersen MD,

Present PhD students

- PhD Student, Biomedical Engineer Jakob Wilm, *"Motion Correction in brain PET & MRI"*. Together with DTU & Harvard Medical School 2012.
- PhD Student, KU, Computer Scientist, Claes Nøhr Ladefoged, *"Improvement of quantitative PET/MRI for better diagnostics in cancer imaging and neurological diseases"*, start January 2015.

Editorial experience

- Member of the Editorial Board, European Journal of Nuclear Medicine & Molecular Imaging from 2000-
- Member of the Editorial Board, Molecular Imaging and Radionuclide Therapy 2010-
- Member of the Editorial Board, Turkish Journal of Nuclear Medicine 2007-
- Editor Nuclear Medicine Sundhed.dk.
- Editor for The Oncologist, section editor cancer imaging.
- Assistant editor, Ugeskrift for Læger, (The Danish Medical Journal), 1991-1996.
- Editor-in-chief, Ugeskrift for Læger 1996–2002.
- Editor, Nordisk Medicin, 1996-2002.
- Editor, Bibliotek for læger 1996-2002.
- Member of The Vancouver Group, The Int. Committee of Medical Journal Editors, 1996-02
- Member of The Council of Science Editors (US), EASE, European Ass. of Science Editors 1999-2002.

Clinical medical experience

Danish specialist in Clinical Physiology & Nuclear Medicine. Broad competencies in nuclear medicine, PET and PET/CT. Special focus on pediatric PET and Nuclear Medicine, member of Pediatric Nuclear Medicine Network, the international telemedicine network for second opinion and transnational advice.

Hvidovre Hospital, Medical Gastroenterology Surgery, Gastroenterology: Intern and registrar	01.02.82 - 30.09.84
Hvidovre Hospital, Clinical Physiology & Nuclear Medicine Intern	01.10.84 - 30.09.86
Registrar	01.10.86 - 31.10.88
Bispebjerg Hospital, Clinical Physiology & Nuclear Medicine Registrar	01.11.88 - 31.01.89
FAC Hillerød, Clinical Physiology & Nuclear Medicine, Senior Registrar	01.02.89 - 28.02.90
Hvidovre Hospital, Clinical Physiology & Nuclear Medicine Senior Registrar	01.03.90 - 30.04.91
Rigshospitalet, Clinical Physiology & Nuclear Medicine Senior Registrar	01.05.91 - 30.06.94

Hvidovre Hospital, Clinical Physiology & Nuclear Medicine Consultant	01.08.94 - 21.05.98
Rigshospitalet, Dept. of Clinical Physiology & Nuclear Medicine and PET & Cyclotron Unit, KF 4011, Rigshospitalet. Consultant	01.06.98 – 28.02.00
Rigshospitalet, Dept. of Clinical Physiology & Nuclear Medicine and PET & Cyclotron Unit, KF 4011, Rigshospitalet. Head of Department, Klinikchef	01.03.2000

Education and Teaching

Pregraduate

- Censor in medical chemistry for medical students and dentistry students, University of Copenhagen 1991-2001.
- Clinical external lecturer, University of Copenhagen, Clinical Physiology & Nuclear Medicine 1984-87 and 1992-94.
- Censor, Faculty of Pharma from 1995-2002.
- Course Medical pedagogy for doctors, University of Copenhagen 1992.
- Lectures, Medical Chemistry, University of Copenhagen 1989-1999.
- Lectures, Human Pathophysiology for master students in Human Biology, University of Copenhagen 1995-2000.
- Clinical professor in medical technology, University of Copenhagen, Faculty of Health Sciences, from 2006.
- Adjunct professor in advanced imaging DTU, Technical University of Denmark, from 2009.

Biomedical engineering

University of Copenhagen, The Faculty of Health Sciences, coordinator for the new bachelor and master education in biomedical engineering called "Civilingeniør i medicin & teknologi", established 2002 in collaboration with DTU.

- Member of "Studieudvalget"; the Board of the education.
- Planner of curriculum, contact to Ministry of Research, PR plan etc.
- Member of The Contact Panel for Private-Public partnership for the education with medical industry representatives with establishment of sponsorships and bachelor & master positions with Radiometer, Novo, Coloplast etc.
- Chair of The Contact Panel for Hospital and Education Relations.
- Leader of course, 5 ECTS points, bachelor education, "Clinical practice in hospitals" with written essay examination.
- Leader of course, 10 ECTS points, master education, "Isotopes in medical practice" with written essay examination.
- Tutor for students.
- Participate in students' introductory course.
- Lectures in nuclear medicine, imaging, isotopes art, bachelor and master level.
- Supervisor for bachelor and master projects.

Postgraduate medical education

Member of the Course Council, Danish Society for Clinical Physiology & Nuclear Medicine 1985-1996. Course leader in hepatologi og gastroenterologi. Member Course Council, Danish Society of Gastroenterology 1989-1995. Member of and secretary for the Postgraduate Medical Education Board, Danish Society for Clinical Physiology & Nuclear Medicine 1989-1995. Course leader for the Danish Specialist education in Clinical Physiology & Nuclear Medicine 1994-1996. Responsible for the specialist education 1994-1998, Hvidovre Hospital. Member of "The National Council for Specialist Education" in Denmark 2000-2006. Member of the Council for Specialist Education (Målbeskrivelsesudvalget) The Danish National Board of Health, 2000-2006. "International Diagnostic Course in Davos" The University of Zürich, Professor Gustav von Schulthess.

Publications

Thesis

Dr.Med.Sc. University of Copenhagen: Højgaard L. Gastric potential difference measurements. Sc J Gas 1991;26:184. August 1991.

Original papers

1980

Højgaard L, Balsløv S, Krag E. Havreklids indvirkning på den intestinale transittid hos raske forsøgspersoner. Ugeskr Læger 1980;142:2625-6.

1981

Højgaard L, Arffmann S, Jørgensen M, Krag E. Tea consumption: A Cause of constipation? BMJ 1981;282:864.

Højgaard L, Arffmann S, Jørgensen M, Krag E. Tedrikkersyndromet. Ugeskr Læger 1981;143:2893-5.

Lauritzen JB, Højgaard L, Nielsen PE, Christiansen I. Rygevaner blandt danske læger. Ugeskr Læger 1981;143:2392-5.

1982

Højgaard L, Henriksen H, Lauritzen JB, Loft A. Superficial eosinophilic squamous epithelial cells in vagina/cervical smears from postmenopausal women. Acta Obstet Gynecol Scand 1982;61:429-31.

1983

Arffmann S, Højgaard L, Giese B, Krag E. Effect of oat bran on lithogenic index of bile acid metabolism. *Digestion* 1983;28:197-200.

Lauritzen JB, Højgaard L, Nielsen PE, Christiansen I. Scintigraphic measurements of gastric emptying corrected for differences in tissue attenuation. *Nucl Med Comm* 1983;4:335-41.

1985

Jacobsen O, Højgaard L, Hylander Møller E, Wielandt TO, Thale M, Jarnum S, Krag E. Effect of enterocoated cholestyramine on bowel habit after ileal resection: a double blind crossover study. *BMJ* 1985;290:1315-8.

Lauritzen JB, Højgaard L, Uhrenholdt A, Moesgaard F. The dynamic effect of chewing gum on gastric acid secretion. *Nucl Med Comm* 1985;6:220-33.

1987

Højgaard L, Andersen JR, Krag E. A new method for measurement of the electrical potential difference across the stomach wall. Clinical evaluation of the gastric mucosal integrity. *Scand J Gastroenterol* 1987;22:847-58.

Parallel publikation, *Kinesisk tidsskrift*, 1987:1-41.

Højgaard L, Krag E. Chronic ischaemic gastritis reversed after revascularization operation. *Gastroenterology* 1987;92:226-8.

Svendsen LB, Søndergaard J, Hegnhøj J, Højgaard L, Lauritzen JB, Bülow S, Horn T, Danes BS. In vitro tetraploidy in patients with ulcerative colitis. *Scand J Gastroenterol* 1987;22:601-5.

1988

Andersen JR, Bukhave K, Højgaard L, Rasmussen HS, Hermansen N, Worning H, Krag E. Decomposition of wheat bran and ispagula husk in the stomach and the small intestine of healthy men. *J Nutr* 1988;188:326-31.

Højgaard L, Ewald H, Holm IE, Bünger C, Krag E, Bülow JB. The effect of i.v. indometacin on the gastric mucosal electrical potential difference and blood flow in anaesthetized dogs. *Clin Physiol* 1988;8:433-42.

Højgaard L, Bülow JB, Madsen J, Christensen NJ. Gastric mucosal electrical potential difference and blood flow during high FFA/albumin ratios in anaesthetized Göttingen minipigs. *Acta Phys Scand* 1988;134:305-10.

Mogensen T, Højgaard L, Scott NB, Henriksen JH, Kehlet H. Epidural blood flow and regression of sensory analgesia during continuous postoperative epidural infusion of bupivacaine. *Anesth Analg* 1988;67:809-13.

1989

Højgaard L, Bendtsen F. Gastric potential difference and pH in ulcer patients and normal volunteers during Stroop's colour word conflict test. *Gut* 1989;30:782-5.

Jess P, von der Lieth L, Matzen P, Madsen P, Krag E, Knigge U, Højgaard L, Dejgård A, Christiansen PM, Bonnevie O. The personality pattern of duodenal ulcer patients in relation to spontaneous ulcer healing and relapse. *J Int Med* 1989;226:395-400.

1990

Büløw J, Madsen J, Højgaard L. Reversibility of the effects on local circulation of high lipid concentrations in blood. *Scand J Clin Lab Invest* 1990;50:291-6.

Højgaard L, Büløw JB, Madsen J. Gastric mucosal electrical potential difference, pH, blood flow and morphology during hypoxia and selective gastric ischemia with and without allopurinol pretreatment in anaesthetized dogs. *Acta Phys Scand* 1990;139:185-192.

Lundvall L, Højgaard L, Højgaard K, Lundvall F. Diagnostic value of an abnormal smear in non-pregnant women. *Acta Obstet Gynecol* 1990;69:147-51.

Rosenkilde-Gram B, Højgaard L, Kraglund K, Rune SJ. Identification of the pylorus from the intraluminal pH profile: Validation of the method by comparing it with transpyloric potential difference and pressure profile. *Scand J Gastroenterol* 1990;25:1181-4.

Torp-Pedersen S, Vyberg M, Smith E, Højgaard L, Hansen U, Stadeager C, Schlichting P, Juul N, Gluud C. Surecut[®] 0.6 mm liver biopsy in the diagnosis of cirrhosis. *Liver* 1990;10:217-20.

1991

Brøns JH, Damgaard B, Rasmussen SG, Juul N, Højgaard L, Kehlet H, Krag E, Matzen P, Stage JG, Stage P et al. Extracorporeal shockwave crushing of gallstones. Preliminary report. *Ugeskr Læger* 1991;153:332-5.

Fabrin B, Højgaard L, Mouridsen HT. Changes in the gastric potential difference during chemotherapy in patients with metastatic breast cancer. *Acta Oncol Scand* 1991;30:807-10.

Fabrin B, Højgaard L, Johansen A, Olesen P, Madsen J, Mouridsen HT. Electrical potential difference across the stomach wall and gastric morphology in anaesthetized pigs after intravenous administration of cytotoxic drugs. *Acta Oncol Scand* 1991;30:803-6.

1992

Jørgensen F, Hesse B, Tromholt N, Højgaard L, Stubgaard M. Oesophageal scintigraphy: Reproducibility and normal ranges. *J Nucl Medicine*, 1992;33:2106-9.

Rubinstein E, Gjørup I, Schulze S, Jonsson T, Højgaard L. Development of stress ulcers assessed by gastric electrical potential difference, pH of gastric juice, and endoscopy in patients in the intensive care unit. *Eur J Surg* 1992;158:361-4.

Tønnesen H, Petersen KR, Højgaard L, Stockholm KH, Nielsen HJ, Knigge U, Kehlet H. Postoperative morbidity among symptom-free alcohol misusers. *Lancet* 1992;340:334-7.

1993

Bak Andersen I, Monrad H, Grønvall S, Højgaard L. In vitro and in vivo accuracy of sonographic gallbladder volume determinations. *J Clin Ultrasound* 1993;21:157-62.

Rubinstein E, Højgaard L. The effect of i.v. omeprazole on the gastric and duodenal potential difference and pH in healthy subjects. *Digestion* 1993;54:15-8.

1994

Bak Andersen I, Monrad H, Grønvall S, Højgaard L. In vitro and in vivo accuracy of sonographic gallbladder volume determinations. *Ugeskr Læger* 1994;156:287-90.

Monrad H, Grønvall S, Højgaard L. Oral cholecystography compared to cholescintigraphy for evaluation of cystic duct patency prior to ESWL treatment. *Nucl Med Comm* 1994;15:47-9.

Sørensen TIA, Toftdahl DB, Højgaard L, Cantor P, Klein HC, Andersen B. Plasma cholecystokinin in obese patients before and after jejunoileal bypass with 3:1 or 1:3 jejunoileal ratio – no role in the increased risk of gallstone formation. *Dan Med Bull* 1994;41:469-72.

1995

Borly L, Stage JG, Grønvall S, Højgaard L. Cholescintigraphy in patients with acute cholecystitis before and after percutaneous gallbladder drainage. *Eur J Gastroenterology & Hepatology* 1995;11:1093-7.

Rosenfalck AM, Almdal T, Gotfredsen A, Højgaard L, Hilsted J. Validity of dual X-ray absorptiometry scanning for determination of body composition in IDDM patients. *Scand J Clin Lab Invest* 1995;55:691-9.

1996

Borly L, Højgaard L, Grønvall S, Stage JG. Human gallbladder pressure and volume: validation of a new direct method for measurements of gallbladder pressure in patients with acute cholecystitis. *Clin Phys* 1996;16:145-56.

Hendel HW, Gotfredsen A, Højgaard L, Andersen T, Hilsted J. Body composition during weight loss in obese patients estimated by dual energy X-ray absorptiometry and by total body potassium. *Int J Obesity*, 1996;20:1111-9.

Hendel HW, Gotfredsen A, Højgaard L, Andersen T, Hilsted J. Change in fat-free mass assessed by bioelectrical impedance, total body potassium and dual energy X-ray absorptiometry during prolonged weight loss. *Sc J Clin Lab Invest* 1996;56:671-9.

Højgaard L, Schulze S, Kristensen BR, Borgwardt A, Faarvang KL, Juhl E, Krag E, Leth K, Nielsen JM. Ugeskrift's 1995 survey of readers. A questionnaire study of random population of readers of *Ugeskrift*. *Ugeskr Læger* 1996;158:29-33.

Matzen P, Højgaard L, Krag E, Boesby S et al. Bile acid therapy versus placebo before and after extracorporeal shock wave lithotripsy of gallbladder stones. The East-Danish Gallstone Study Group. *Aliment Pharmacol Ther*, 1996;10:651-7.

Riber C, Højgaard L, Madsen IL, Rehfeld JF, Olsen O. Gallbladder emptying and cholecystokinin response to fish oil and trioleate ingestion. *Digestion* 1996;57:161-4.

Toftdal DB, Højgaard L, Winkler K. Dynamic cholescintigraphy: Induction and description of gallbladder emptying. *J Nucl Med* 1996;37:261-6.

1997

Mortensen P, Pedersen T, Nielsen N, Ringsted CV, Jacobsen IA, Lidegaard O, Walter S, Højgaard L. Continuing medical education via questionnaire studies. Three pilot projects for anesthesiology, cardiology and neurology. *Ugeskr Læger* 1997;159:3140-5.

1998

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