

# Arbejdsmedicinsk Klinik

## Overordnede forskningsområder

Arbejdsbetingede lidelser i bevægeapparatet

Computerarbejde

Indeklima

Psykosocialt arbejdsmiljø og sygefravær

Stress, udbrændthed og depression

## Videnskabelige medarbejdere

I 2005: 2 års eksternt finansieret og 0.5 års internt finansieret VIP-tid, i alt 2.5 års VIP-tid til forskning samt 2 Ph.d-studerende i 2005.

## Publikationer i 2005

### Originale videnskabelige publikationer

1. Bonde JP, Mikkelsen S, Andersen JH, Fallentin N, Baelum J, Svendsen SW, Thomsen JF, Frost P, Kaergaard A; PRIM Health Study Group. *Understanding work related musculoskeletal pain: does repetitive work cause stress symptoms?* *Occup Environ Med* 2005; 62: 41-8.
2. Lassen CF, Mikkelsen S, Kryger AI, Andersen JH. *Risk factors for persistent elbow, forearm and hand pain among computer workers.* *Scand J Work Environ Health* 2005; 31:122-31.
3. Andersen JH, Vilstrup I, Brandt LP, Lassen CF, Kryger AI, Overgaard E, Mikkelsen S. *Activity-based registration of computer use in epidemiological studies.* *Ugeskr Laeger* 2005; 167: 1377.
4. Lassen CF. *Computer work and development of pain and disorders in elbow, forearm, wrist and hand.* PhD Thesis. Copenhagen 2005.
5. Brauer C. *The sick building syndrome revisited.* PhD Thesis. Copenhagen 2005.
6. Meyer HW, Jensen KA, Nielsen KF, Kildesø J, Norn S, Permin H, Poulsen LK, Malling HJ, Gravesen S, Gyntelberg F. *Double blind placebo controlled exposure to moulds: Exposure system and clinical results. A project under the Danish Moulds in Buildings programme (DAMIB).* *Indoor Air* 2005; 15 Suppl 10: 73-80.
7. Meyer HW, Würtz H, Suadicani P, Valbjørn O, Sigsgaard T, Gyntelberg F. *Moulds in floor dust and building-related symptoms among adolescent school children: A problem for boys only?* *Indoor Air* 2005; 15 Suppl 10: 17-24.
8. Ebbenhøj NE, Meyer HW, Würtz H, Suadicani P, Valbjørn O, Sigsgaard T, Gyntelberg F. *Moulds in floor dust, building-related symptoms, and lung function among male and female school teachers.* *Indoor Air* 2005; 15 Suppl 10: 7-16.
9. Wurtz H, Sigsgaard T, Valbjørn O, Doekes G, Meyer HW. *The dustfall collector – a simple passive tool for long-term collection of airborne dust: a project under the Danish Mould in Buildings program (DAMIB).* *Indoor Air* 2005; 15 Suppl 9: 33-40.
10. Brauer C, Kolstad H, Orbaek P, Mikkelsen S. *No consistent risk factor pattern for symptoms related to the sick building syndrome: a prospective population based study.* *Int Arch Occup Environ Health.* DOI: 10.1007/s00420-005-0074-3.
11. Brauer C, Kolstad H, Orbaek P, Mikkelsen S. *The sick building syndrome: a chicken and egg situation?* *Int Arch Occup Environ Health.* DOI: 10.1007/s00420-005-0075-2.

# Børneafdelingen

## Overordnede forskningsområder

### *Diabetes mellitus hos børn og unge*

Den videnskabelige produktion har i perioden hovedsageligt været koncentreret omkring epidemiologiske, kvalitetssikringsmæssige og molekylærbioologiske emner vedrørende diabetes mellitus hos børn og unge.

### *Endokrinologi, herunder testis- og vækstforstyrrelser*

Væksthormonmangel og forstyrrelser i testis udvikling og – funktion, samt optimering af behandling af krypt-orkisme hører til afdelingens forskningsområder.

### *Nefro-urologi*

Optimering af behandling og forløb ved prænatale diagnosticerede nefro-urologiske anomalier.

### *Neuropædiatri.*

Særlige forskningsområder er Tourette Syndrom samt forskning indenfor mental retardering og genetik.

### *Neonatalogi*

## Videnskabelige medarbejdere

4 Ph.d.-studerende (3 i diabetologi, 1 i neuropædiatri) ansat på fondsmidler (4 VIP) samt 1 klinisk assistent-stilling (diabetologi), 1 MPH forskningssygeplejerske (diabetologi), en 1/2 projektassistent (diabetologi) ansat på fondsmidler (1 1/2 TAP). Fondsansatte i alt: 5 1/2 samt 1 klinisk assistent (2005).

Herudover: 1 professor, 1 klinisk forskningslektor samt 1 lektor ansat ved Københavns Universitet.

## Publikationer i 2005

### *Originale videnskabelige publikationer*

1. Broløs EJ, Cortes D, Thorup JM. *Late presentation of congenital diaphragmatic hernia. A diagnosis that should be remembered.* Ugeskr Læger 2005;167:1844-8.
2. Duchatelet S, Ostergaard E, Cortes D, Lemainque A, Julier C. *Recessive mutations in PTHR1 cause contrasting skeletal dysplasias in Eiken and Blomstrand syndromes.* Hum Mol Genet 2005 1;14:1-5.
3. Hahnemann JMD, Nir M, Friberg M, Engel U, Bugge M. *Trisomy 10 mosaicism and maternal uni-parental Disomy 10 in a liveborn infant with severe congenital malformations.* Am Med Gene A 2005;138A:150-4.
4. Lindquist SG, Kirchhoff M, Lundsteen C, Pedersen W, Erichsen G, Kristensen K, Lillquist K, Smedegaard HH, Skov L, Tommerup N, Brøndum-Nielsen K. *Further delineation of the 22q13 deletion syndrome.* Clin Dysmorphol 2005;14:55-60.
5. Mathiesen PR, Andersen J. *Hypernatremia and neurological complications in rotavirus gastroenteritis.* Ugeskr Læger 2005; 167:409-10.
6. Nordly S, Mortensen HB, Andreasen AH, Hermann N, Jorgensen T. *Factors associated with gly-caemic outcome of childhood diabetes care in Denmark.* Diabet Med 2005;22:1566-73.
7. Povlsen L, Olsen B, Ladelund S. *Diabetes in children and adolescents from ethnic minorities: barriers to education, treatment and good metabolic control.* J Adv Nurs 2005;50:576-82.
8. Povlsen L, Olsen B, Ladelund S. *Educating families from ethnic minorities in type I diabetes - experiences from a Danish intervention study.* Patient Educ Couns 2005;59:164-70.
9. Sogaard M , Tumer Z, Hjalgrim H , Hahnemann J, Friis B, Ledaal P, Pedersen VF , Baekgaard P , Tommerup N , Duno , Brøndum-Nielsen K . *Subtelomeric study of 132 patients with mental retardation reveals 9 chromosomal anomalies and contributes to the delineation of submicroscopic deletions of 1pter, 2qter, 4pter, 5qter and 9qter.* BMC Med Genet 2005;6:21.
10. Svensson J, Carstensen B, Mortensen HB, Borch-Johnsen K. *Early childhood risk factors associated with type 1 diabetes - is gender important?* Eur J Epidemiol 2005;20:429-34.
11. Nguyen KV, Ostergaard E, Ravn SH, Balslev T, Danielsen ER, Vardag A, McKiernan PJ, Gray G, Naviaux RK. *POLG mutations in Alpers syndrome.* Neurology. 2005 8;65:1493-5.
12. Østergaard E, Bradinova I, Ravn SH, Hansen FJ, Simeonov E, Christensen E, Wibrand F, Schwartz M. *Hypertrichosis in patients with SURF1 mutations.* Am J Med genet 2005;138A:384-8

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# Børne- og ungdomspsykiatrisk Center

## Overordnede forskningsområder

### *Børnepsykiatrisk epidemiologi*

Med udgangspunkt i fødselskohorten CCCC 2000 gennemføres aktuelt en række undersøgelser af psykopatologi i førskolealderen.

Neuropsykiatriske udviklingsforstyrrelse, primært autisme spektrum tilstande og ADHD.

Spæd- og småbarnspsykiatriske forstyrrelser, herunder spise- og trivselsforstyrrelser.

## Videnskabelige medarbejdere

2 ph.d-studerende ansat på fondsmidler.

1 lektor ansat ved Københavns Universitet.

## Publikationer i 2005

### *Akademiske afhandlinger*

1. Olsen EM. *Failure to Thrive in 0-1 year-old Children. Definition and predictors. A population study based on the Copenhagen County Child Cohort.* Ph.D afhandling, Københavns Universitet. 2005  
Originale videnskabelige publikationer
2. Olsen EM, Petersen J, Skovgaard AM, Jørgensen T, Weile B. *The growth pattern of 0-1-year-old Danish children, when screened by public health nurses -the Copenhagen County Child Cohort 2000.* Ann Hum Biol. 2005;32:297-315
3. Olsen EM. Failure to thrive-stil a problem of definition. Clinical Pediatrics 2005 45:1-6.
4. Skovgaard AM, Olsen EM, Houmann T, Christiansen E, Samberg V, Lichtenberg A, Jørgensen T. *The Copenhagen County Cohort – Design of a longitudinal Study of Child Mental Health.* Scand Public Health 2005;33:197-202.
5. Skovgaard AM, Houmann T, Christiansen E, Andreasen AH. *The Reliability of ICD 10 and DC 0-3 in an Epidemiological Sample of Children 11/2 years of Age.* Infant Mental Health Journal 2005; 26:470-480

# Forskningscenter for Forebyggelse og Sundhed

## Overordnede forskningsområder

### Befolkningsbaseret epidemiologi

Fordeling af og årsager til sygdomme i befolkningen. Forskningen tager hovedsagelig udgangspunkt i befolkningsstudier og sygdomsregistre.

### Klinisk epidemiologi

Analysen af årsager til gode og dårlige patientforløb. Forskningen tager hovedsagelig udgangspunkt i kliniske databaser.

### Sundhedstjenesteforskning og kvalitetsudvikling

Analyse af betydningen af sundhedsvæsenets struktur og organisation på patientforløb. Foretages ofte i rammerne af en medicinsk teknologivurdering.

Ovennævnte forskningsområder spænder over de fleste kroniske sygdomme.

## Videnskabelige medarbejdere

I 2005 har der været 30 videnskabelige medarbejdere (heraf 8 ph.d.-studerende) tilknyttet centret

## Publikationer i 2005

### Akademiske afhandlinger

1. Knudsen N. *Risk factors for benign thyroid diseases* (doktordisputats). Københavns Universitet, 2005.
2. Andersen G. *Human sequence variation in metabolic disease – investigation of the genes encoding PPAR, GLUT10, NCB5OR, and G 3*. (Ph.d.-afhandling). Københavns Universitet, 2005
3. Andersen I. *Social inequality in the risk of myocardial infarction – causes and mechanisms*. (Ph.d.-afhandling). Københavns Universitet, 2005.
4. Elberling J. *Ocular and respiratory symptoms elicited by perfume and fragrance products*. (Ph.d.-afhandling). Københavns Universitet, 2005.
5. Hamid YH. *Epidemiological and molecular studies of genetic variation in IL6, IL6R, LTA, ACDC and GPR40 in relation to phenotypes of the metabolic syndrome*. (Ph.d.-afhandling). Københavns Universitet, 2005.
6. Hansen SKP. *Studies of genetic risk factors in the pathogenesis of monogenic diabetes and polygenic type 2 diabetes*. (Ph.d.-afhandling). Københavns Universitet, 2005.
7. Hansen TW. *The prognostic significance of ambulatory blood pressure monitoring in a general population*. (Ph.d.-afhandling). Københavns Universitet, 2005.
8. Jacobsen MU. *Dietary fat intake and risk of coronary heart disease*. (Ph.d.-afhandling). Københavns Universitet, 2005.
9. Lauenborg J. *Gestational Diabetes Mellitus. Consequence & Inheritance*. (Ph.d.-afhandling). Københavns Universitet, 2005.
10. Nickelsen TN. *Treatment of colorectal cancer*. (Ph.d.-afhandling). Københavns Universitet, 2005.
11. Nielsen ED. *Molecular and epidemiological studies of genetic determinants of Type 2 diabetes: An experimental focus on the candidate genes encoding Kir6.2, PPAR, IGF-1, CDKN1C, and CDK4*. (Ph.d.-afhandling). Københavns Universitet, 2005.
12. Olsen EM. *Failure to thrive in 0-1-year-old children. Definition and predictors*. (Ph.d.-afhandling). Københavns Universitet, 2005
13. Strid MA. *Sero-response to salmonella enteritidis and typhimurium infections: antibody decay profiles and sero-epidemiology*. (Ph.d.-afhandling). Københavns Universitet, 2005.
14. Birkedal A. *Rygestop og sociale relationer. En klinisk kontrolleret intervention blandt kirurgiske patienter* (MPH-afhandling). Københavns Universitet, 2005.

### Originale videnskabelige artikler

15. Ambye L, Rasmussen S, Fenger M, Jørgensen T, Borch-Johnsen K, Madsbad S, Urhammer SA. *Studies of the Gly482Ser polymorphism of the peroxisome proliferator-activated receptor  $\mu$  coactivator 1 $\alpha$  (PGC-1 $\alpha$ ) gene in Danish subjects with the metabolic syndrome*. Diabetes Research and Clinical Practice 2005;67:175-179.
16. Andersen G, Overgaard J, Albrechtsen A, Glümer C, Borch-Johnsen K, Jørgensen T, Hansen T, Pedersen O. *Studies of the association of the GNB3 825C>T polymorphism with components of the metabolic syndrome in white Danes*. Diabetologia 2005;1-8.
17. Andersen G, Wegner L, Yanagisawa K, Rose CS, Lin J, Glümer C, Drivsholm T, Borch-Johnsen K, Jørgensen T, Hansen T, Spiegelmann BM, Pedersen O. *Evidence of an association between genetic variation of the coactivator PGC-1 $\beta$  (beta) and obesity*. J Medical Genetics 2005;42:402-407.
18. Andersen G, Wegner L, Jensen DP, Glümer C, Tarnow L, Drivsholm T, Poulsen P, Hansen SK, Nielsen E-MD, Ek J, Mouritzen P, Vaag A, Parving H-H, Borch-Johnsen K, Jørgensen T, Hansen T, Pedersen O. *PGC-1 $\alpha$  gly482Ser polymorphism associates with hypertension among Danish whites*. Hypertension 2005;45:565-570.

19. Andersen I, Gamborg M, Osler M, Prescott E, Diderichsen F. *Income as mediator of the effect of occupation on the risk of myocardial infarction: does the income measurement matter?* J Epidemiol Community Health 2005;59:1080-1085.
20. Andersen KL, Echwald SM, Larsen LH, Hamid YH, Glümer C, Jørgensen T, Borch-Johnsen K, Andersen T, Sørensen TIA, Hansen T, Pedersen O. *Variation of the McKusick-Kaufman gene and studies of the relationships with common forms of obesity.* J Clin Endocrin Metab 2005;90:225-230.
21. Andersen S, Hvingel B, Kleinschmidt K, Jørgensen T, Laurberg P. *Changes in iodine excretion in 50-60-y-old denizens of an Arctic society in transition and iodine excretion as a biomarker of the frequency of consumption of traditional Inuit foods.* Am J Clin Nutr 2005;81:656-63.
22. Barstad B, Sørensen TIA, Tjønneland A, Johansen D, Becker U, Andersen IB, Grønbæk M. *Intake of wine, beer and spirits and risk of gastric cancer.* Eur J Cancer Prevention 2005;14:239-243.
23. Bing C, Ambye L, Fenger M, Jørgensen T, Borch-Johnsen K, Madsbad S, Urhammer SA. *Large-scale studies of the Leu72Met polymorphism of the ghrelin gene in relation to the metabolic syndrome and associated quantitative traits.* Diabet Med 2005;22:1157-1160.
24. Bonnevie L, Thomsen T, Jørgensen T. *The use of computerised decision support systems in preventive cardiology – principal results from the national PRECARD® survey in Denmark.* Eur J Cardiovascular Prev and Rehab 2005;12:52-55.
25. Ek J, Schack CR, Jensen DP, Glümer C, Borch-Johnsen K, Jørgensen T, Pedersen O, Hansen T. *The Functional Thr130Ile and Val255Met Polymorphisms of the Hepatocyte Nuclear Factor-4 (HNF-4) Gene Associate with Type 2 Diabetes and Altered  $\beta$ -cell Function among Danes.* J Clin Endocrin Metabol 2005;90:3054-3059.
26. Elberling J, Linneberg A, Mosbech H, Dirksen A, Menné T, Nielsen NH, Madsen F, Frølund L, Johansen JD. *Airborne chemicals cause respiratory symptoms in individuals with contact allergy.* Contact Dermatitis 2005;52:65-72.
27. Elberling J, Linneberg A, Dirksen A, Johansen JD, Frølund L, Madsen F, Nielsen NH, Mosbech H. *Mucosal symptoms elicited by fragrance products in a population-based sample in relation to atopy and bronchial hyper-reactivity.* Clin Exp Allergy 2005; 35:75-81.
28. Eplov L, Jørgensen T, Birket-Smith M, Segel S, Johansen C, Mortensen EL. *Mental vulnerability as a predictor of early mortality.* Epidemiology 2005;16:226-232.
29. Evans A, Salomaa V, Kulathinal S, Asplund K, Cambien F, Ferrario M, Perola M, Peltonen L, Shields D, Tunstall-Pedoe H, Kuulasmaa K for the MORGAM project. *MORGAM (an international pooling of cardiovascular cohorts).* Int J Epidemiol 2005;34:21-27.
30. Færch K, Lau C, Tetens I, Pedersen O B, Jørgensen T, Borch-Johnsen K, Glümer C. *A statistical approach based on substitution of macronutrients provides additional information to models analyzing single dietary factors in relation to type 2 diabetes in Danish adults: the Inter99 study.* Nutritional Epidemiology 2005;135:1177-1182.
31. Glümer C, Borch-Johnsen K, Colagiuri S. *Can a screening programme for diabetes be applied to another population?* Diabetic Medicine 2005;22:1234-1238.
32. Godtfredsen NS, Prescott E, Osler M. *Effect of smoking reduction on lung cancer risk.* JAMA 2005;294:1505-1510.
33. Hamid YH, Rose CS, Urhammer SA, Glümer C, Nolsoe R, Kristiansen OP, Mandrup-Poulsen T, Borch-Johnsen K, Jørgensen T, Hansen T, Pedersen O. *Variations in the interleukin-6 promotor are associated with features of the metabolic syndrome in Caucasian Danes.* Diabetologia 2005;48:251-260.
34. Hamid YH, Vissing H, Holst B, Urhammer SA, Pyke C, Hansen SH, Glümer C, Borch-Johnsen K, Jørgensen T, Schwartz TW, Pedersen O, Hansen T. *Studies of relationships between variation of the human G protein-coupled receptor 40 Gene and Type 2 Diabetes and insulin release.* Diabetic Medicine 2005;22:74-80.
35. Hamid YH, Urhammer SA, Glümer C, Borch-Johnsen K, Jørgensen T, Hansen T, Pedersen O. *The common T60N polymorphism of the lymphotoxin-alpha gene is associated with type 2 diabetes and other phenotypes of the metabolic syndrome.* Diabetologia 2005;48:445-51.
36. Hansen SK, Nielsen ED, Ek J, Andersen G, Glümer C, Carstensen G, Mouritzen P, Drivsholm T, Borch-Johnsen K, Hansen T, Pedersen O. *Analysis of separate and combined effects of common variants in KCNJ11 and PPARG on risk of type 2 diabetes.* J Clin Endocrinol Metab 2005;90:3629-3637.
37. Hansen SK, Rose CS, Glümer C, Drivsholm T, Borch-Johnsen K, Jørgensen T, Pedersen O, Hansen H. *Variation near the Hepatocyte Nuclear Factor (HNF)-4 Gene Associates with Type 2 Diabetes in the Danish Population.* Diabetologia 2005;48:452-458.
38. Hansen TW, Jeppesen J, Rasmussen S, Ibsen H, Torp-Pedersen C. *Ambulatory blood pressure and mortality.* Hypertension 2005;45:499-504.
39. Harling H, Bülow S, Kronborg O, Møller LN, Jørgensen T and the Danish Colorectal Cancer Group. *Hospital volume and outcome of rectal cancer surgery in Denmark 1994-1999.* Colorectal Disease 2005;7:1-6.

40. Harling H, Nickelsen T. *Dansk Kolorektal Cancer Database*. Ugeskr Læger 2005;167:4187-4189.
41. Hein HO, Suadicani P, Gyntelberg F. *The Lewis blood group – a new genetic marker of obesity*. Int J Obes 2005;29:540-542.
42. Knudsen N, Laurberg P, Rasmussen LB, Bülow I, Perrild H, Ovesen L, Jørgensen T. *Small differences in thyroid function may be important for body mass index and the occurrence of obesity in the population*. J Clin Endocrinol Metab 2005;90:4019-4024.
43. la Cour P, Avlund K, Schultz-Larsen K. *Religion and survival in a secular region. A twenty year follow-up of 734 Danish adults born in 1914*. Social Science & Medicine 2005;62:157-164.
44. Lau C, Færch K, Glümer C, Tetens I, Pedersen O, Carstensen B, Jørgensen T, Borch-Johnsen K. *Dietary glycaemic index, glycaemic load, fiber, simple sugars and insulin resistance*. The Inter99 study. Diabetes Care 2005;28:1397-1403. Erratum: Diabetes Care 2005;28:2340-2341.
45. Lauenborg J, Damm P, Hansen T, Pedersen O, Mathiesen E, Borch-Johnsen K, Jørgensen T, Glümer C, Hornnes P. *The prevalence of the metabolic syndrome in a Danish population of women with previous GDM is 3-fold higher than in the general population*. J Clin Endocrinol Metab 2005;90:4004-4010.
46. Legarth KH, Ryan S, Avlund K. *The most important activity and the reasons for that experience expressed by a Danish population at age 75*. Br J Occup Ther 2005;68:501-508.
47. Linneberg A. *Hypothesis: urbanization and the allergy epidemic – a reverse case of immunotherapy?* Allergy 2005; 60: 538-9.
48. Lyngberg AC, Rasmussen BK, Jørgensen T, Jensen R. *Has the prevalence of migraine and tension-type headache changed over a 12-year period?* Eur J Epidemiol 2005;20:243-249.
49. Lyngberg AC, Rasmussen BK, Jørgensen T, Jensen R. *Incidence of primary headache: a Danish epidemiologic follow-up study*. Am J Epidemiol 2005;161:1066-1073.
50. Lyngberg AC, Rasmussen BK, Jørgensen T, Jensen R. *Prognosis of migraine and tension-type headache*. Neurology 2005;65:580-585.
51. Lyngberg C, Rasmussen BK, Jørgensen T, Jensen R. *Secular changes in health care utilization and work absence for migraine and tension-type headache: A population based study*. Eur J Epidemiol 2005;20:1007-1014.
52. Løkkegaard E, Epløv LF, Køster A, Garde K. *Cardiovascular risk factors in a cohort of Danish women born in 1936 prior to use of hormone therapy*. Maturitas 2005;51:221-226.
53. Nickelsen TN, Jørgensen T, Kronborg. *Lifestyle and 30-day mortality to surgery for colorectal cancer*. Acta Oncologica 2005;44:218-223.
54. Nickelsen TN, Jørgensen T, Kronborg O. *Thirty-day mortality after surgery for colorectal cancer in Denmark*. Colorectal Disease 2005;7:500-506.
55. Nielsen EM, Hansen L, Stissing T, Yanagisawa K, Borch-Johnsen K, Poulsen P, Vaag A, Hansen T, Pedersen O. *Studies of variations of the cyclin-dependent kinase inhibitor 1C and the cyclin-dependent kinase 4 genes in relation to type 2 diabetes mellitus and related quantitative traits*. J Mol Med 2005;83:353-361.
56. Nordly S, Mortensen HM, Andreassen AH, Hermann N, Jørgensen T. *Factors associated with glycaemic outcome of childhood diabetes care in Denmark*. Diabetic Medicine 2005;22:1566-1573.
57. Olsen EM, Petersen J, Skovgaard AM, Thomsen BL, Jørgensen T, Weile B. *The growth pattern of 0-1-year-old Danish children, when screened by public health nurses – The Copenhagen County Child Cohort 2000*. Ann Hum Biol 2005;32:297-315.
58. Olsen J, Willaing I, Ladelund S, Jørgensen T, Gundgaard J, Sørensen J. *Cost-effectiveness of nutritional counseling for obese patients and patients at risk of ischaemic heart disease*. Int J Technol Assess Health Care 2005;21:194-202.
59. Olsen MH, Hansen TW, Christensen MK, Gustafsson F, Rasmussen S, Wachtell K, Borch-Johnsen K, Ibsen H, Jørgensen T, Hildebrandt T. *N-terminal pro brain natriuretic peptide is inversely related to metabolic cardiovascular risk factors and the metabolic syndrome*. Hypertension 2005;46:660-666.
60. Owen CG, Whincup PH, Cook DG. *Are early life factors responsible for international differences in adult blood pressure? An ecological study*. Int J Epidemiol 2005;34:649-654.
61. Pedersen IB, Laurberg P, Knudsen N, Jørgensen T, Perrild H, Ovesen L, Rasmussen LB. *A population study of the association between thyroid autoantibodies in serum and abnormalities in thyroid function and structure*. Clinical Endocrinology 2005; 62:713-720.
62. Pisinger C, Vestbo J, Borch-Johnsen K, Thomsen T, Jørgensen T. *Acceptance of the smoking cessation intervention in a large randomised population based study. The Inter99 study*. Scand J Pub Health 2005;33:138-145.
63. Pisinger C, Vestbo J, Borch-Johnsen K, Jørgensen T. *It is possible to help smokers in early motivational stages to quit. The Inter99 study*. Preventive Medicine 2005;40:278-284.
64. Pisinger C, Vestbo J, Borch-Johnsen K, Jørgensen T. *Smoking reduction intervention in a large population based study. The Inter99 study*. Preventive Medicine 2005;40:112-118.

65. Pisinger C, Vestbo J, Borch-Johnsen K, Jørgensen T. *Smoking cessation intervention in a large randomised population based study. The Inter99 study.* Preventive Medicine 2005;40:285-292.
66. Rose CR, Ek J, Urhammer SA, Glümer G, Borch-Johnsen K, Jørgensen T, Pedersen O, Hansen T. *A-30G>A polymorphism of the  $\beta$ -cell-specific glucokinase promoter associates with hyperglycemia in the general population of whites.* Diabetes 2005;54:3026-3031.
67. Rose CR, Andersen G, Hamid YH, Glümer C, Drivsholm T, Borch-Johnsen K, Jørgensen T, Pedersen OB, Hansen T. *Studies of relationships between the GLUT10 Ala206Thr polymorphism and impaired insulin secretion.* Diabetic Medicine 2005;22:946-949.
68. Rosenbaum B, Valbak K, Harder S, Knudsen P, Køster A, Lajer M, Lindhardt A, Winther G, Petersen L, Jørgensen P, Nordentoft M, Andreasen AH. *The Danish National Schizophrenia Projekt: prospective, comparative longitudinal treatment study of first-episode psychosis.* Br J Psychiatry 2005;186:394-399.
69. Schnohr P, Grønbaek M, Petersen L, Hein HO, Sørensen TIA. *Physical activity in leisure-time and risk of cancer: 14-year follow-up of 28,000 Danish men and women.* Scan J Public Health 2005;33:244-249.
70. Settnes A, Andreasen AH, Jørgensen T. *Hypertension is associated with an increased risk for hysterectomy. A Danish cohort study.* Eur J Obstet Gynecol Reprod Biol 2005;122:218-224.
71. Skovgaard AM, Olsen EM, Houman T, Christiansen E, Samberg V, Lichtenberg A, Jørgensen T. *The Copenhagen County child cohort: Design of a longitudinal study of child mental health.* Scand J Public Health 2005;33:197-202.
72. Skovgaard AM, Houmann T, Christiansen E, Andreasen AH. *The reliability of the ICD-10 and the DC 0-3 in an epidemiological sample of children 11/2 years of age.* Infant Mental Health Journal 2005;26:470-480.
73. Stage KG, Middelboe T, Pisinger C. *Depression and chronic obstructive pulmonary disease (COPD). Impact of survival.* Acta Psychiatr Scand 2005;111:320-3.
74. Suadcani P, Hein HO, Gyntelberg F. *Airborne occupational exposure, ABO phenotype, and risk of obesity.* Int J Obes 2005;29:689-696.
75. Suadcani P, Hein HO, Gyntelberg F. *Lifestyle, social class, and obesity – the Copenhagen Male Study.* Eur J Cardiovasc Prev Rehab 2005;12:236-242.
76. Sørensen LT, Møller LN, Wille-Jørgensen P, Jørgensen T, Kjærgaard J, Kallehave FL. *Risk factors for tissue and wound complications in gastrointestinal surgery.* Ann Surg 2005;241:654-658.
77. Sørensen LT, Hemmingsen UB, Kirkeby LT, Kallehave F, Jørgensen LN. *Smoking is a risk factor for incisional hernia.* Arch Surg 2005;140:119-123.
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85. Verschuur M, Jellema A, Bladbjerg EM, Feskens EJM, Mensink RP, Møller L, Vos HL, de Maat MPM. *The plasminogen activator inhibitor-1 (PAI-1) promoter haplotype is related to PAI-1 plasma concentrations in lean individuals.* Atherosclerosis 2005;181:275-284.
86. Willaing I, Ladelund S. *Nurse counselling of patients with an over consumption of alcohol.* J Nurs Scholarsh 2005;37:30-35.
87. Wolf HK, Kuulasmaa K, Tolonen H, Sans S, Molarius A, Eastwood BJ. *Effect of sampling frames on response rates in the WHO MONICA risk factor surveys.* Eur J Epidemiol 2005;20:293-299.

### Oversigtsartikler, bøger, kapitler, ledere

88. Eplov LF, Kistrup KR, Lajer IMK, Poulsen HD, Svendsen A-MB. *Recovery og rehabilitering i psykiatrien. Gammel vin på nye flasker eller nyskabelse med indhold?* Ugeskrift for Læger 2005;167:1269-1271.
89. Hansen TW, Jeppesen J, Ibsen H. *Letter regarding article by Sega et al. Prognostic value of ambulatory and home blood pressures compared with office blood pressure in the general population.* Circulation 2005;112:e244.
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93. Jørgensen T. *Præsentation og publikation*. I: Jørgensen T, Christensen E, Kampmann JP (eds.). *Klinisk Forskningsmetode 2*. udgave. Munksgaard Danmark 2005. p.207-215. ISBN 87-628-0513-4.
94. Jørgensen T, Bach KF. *Den videnskabelige undersøgelse. Procedurer og lovgivning*. I: Jørgensen T, Christensen E, Kampmann JP (eds.). *Klinisk Forskningsmetode 2*. udgave. Munksgaard Danmark 2005. p.111-125. ISBN 87-628-0513-4.
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### Rapporter

101. *Landsdækkende klinisk register for børn og unge med diabetes under 18 år. Årsrapport 2003 og 2004*. Dansk Børnediabetes Register, 2005.
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  105. Pisinger C. *Praktiserende lægers implementering af rygeafvænnning – med hovedfokus på barrierer mod implementering*. Sundhedsstyrelsen, 2005.
  106. Mikkelsen S. *National kortlægning af rygestopaktiviteter og niveauer for røgfrihed på danske sygehuse*. Netværk af forebyggerne i Danmark, Nationalt Center for Rygestop, 2005.
  107. Willaing I, Folmann N, Gisselbæk AB. *Patientskoler og gruppebaseret patientundervisning – en litteraturgennemgang med fokus på metoder og effekter*. Sundhedsstyrelsen, 2005.
- ### Andre publikationer
108. Johannesen A. *Hverdagslivet for svækkede gamle*. Gerontologi 2005;1:50-56.
  109. Johannesen A. *85-årige med overskud til at klare fysisk svækkelse*. Gerontologi 2005;1:16-19
  110. Johannesen A. *Svækkede gamle med vellykket aldring*. Sygekassernes Helsefonds årsskrift 2004. 2005;44-48.
  111. Jørgensen T. *Metodeovervejelser ved vurdering af betydningen af passiv rygning*. I: Clemmensen IH (eds.). *Passiv rygning*. Hvidbog om passiv rygning udgivet af 16 sundhedsfaglige organisationer. 2005;13.
  112. Jørgensen T (ansvarshavende redaktør). *Nyhedsblad for Københavns Amts Forskningscenter for Forebyggelse og Sundhed. Registerforskning – muligheder og begrænsninger*. Nyt om Forebyggelse 2005;9.
  113. Jørgensen T, Borch-Johnsen K. *Forebyggelse uden styring*. Kronik i Weekendavisen 2005;21.-27. okt;9.

114. Kristensen AH, Nøhr LS. *Inter99 – en metode til forebyggelse af livsstilssygdomme*. Kandidatafhandling. Institut for Idræt. Københavns Universitet. 2005.
115. Linneberg A. *Changes in atopy over 25 years: allergy epidemic has spread to old age*. BMJ 2005; 331:352.
116. Olsen J, Willaing I, Jørgensen T. *Kostvejledning ved diætist eller praktiserende læge – sundhedsøkonomiske aspekter*. Diætisten 2005;76:24-29.
117. Pisinger C, Godtfredsen N. *Sammenhæng mellem passiv rygning og luftvejssygdomme*. I: Clemmensen IH (eds.). *Passiv rygning. Hvidbog om passiv rygning udgivet af 16 sundhedsfaglige organisationer*. 2005;16.
118. Pisinger C, Jørgensen T. *Rygeintervention*. Ugeskr læger 2005;167:1193-1196.
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120. Willaing I. *Forskning – vejen til evidensbaseret forebyggelse*. Liv 2005;1:14-17.
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## Geriatrisk/reumatologisk afd. B

### Overordnede forskningsområder

Afdelingens forskningsvirksomhed ligger primært inden for apopleksia cerebri, faldforebyggelse, demens, bindevævslidelser, osteoporose og andre calciummetaboliske sygdomme.

### Videnskabelige medarbejdere

1 læge, 2 x 1/2 sygeplejerske, 3 x 1/2 fysioterapeut, 1 ergoterapeut og 6 timer sekretær.

Herudover: 1 professor samt 2 lektorer ansat ved Københavns Universitet.

### Publikationer

1. *Pelvic floor muscle training is effective in women with urinary incontinence after stroke. A randomised, controlled blinded study*. Neurourol Urodyn 2005; 24: 348-57.
2. Winther K, Apel K, Thamsborg G: *A powder made from seeds and shells of rose-hip subspecies (Rosa canina) reduces symptoms of knee and hip osteoarthritis: a randomized, double-blind, placebo-controlled clinical trial*. Scand J Rheumatol 2005; 34:302 - 8.
3. Thamsborg G, Florescu A, Oturai P, Fallentin E, Tritsaris K, Dissing S: *Treatment of knee osteoarthritis with pulsed electromagnetic fields: a randomized, double-blind, placebo-controlled study*. OsteoArthritis and Car-tillage 2005; 13: 575-81.

# Gynækologisk/obstetrisk afd. G

## Overordnede forskningsområder

Urogynækologi  
Endometriose  
Endoskopi  
Perinatal medicin/obstetrik

## Videnskabelige medarbejdere

Klinisk professor, 5 ph.d.-studerende (1 + 1 fælles med narkoseafdelingen).

## Publikationer i 2005

### Originale videnskabelige publikationer

1. Brostrom S. *Can neurogenic incontinence be evaluated using functional magnetic stimulation?* Nature Clin Prac Urology. 2005; 2: 224-5.
2. Gimbel H, Zobbe V, Andersen BM, Filtenborg T, Jakobsen K, Sorensen HC, Sidenius K, et al. *Lower urinary tract symptoms after total and subtotal hysterectomy: results of a randomized control led trial.* Int Urogynecol 2005;16:257-62.
3. Jensen DM, Ovesen P, Beck-Nielsen H, Molsted-Pedersen L, Sorensen B, Vinter C, et al. *Gestational weight gain and pregnancy outcomes in 481 obese glucose-tolerant women.* Diabetes Care 2005 ;28:2118-22.
4. Klarskov N, Rasmussen SB, Lose G. *Pressure reflectometry: in vitro recordings with a new technique for simultaneous measurement of cross-sectional area and pressure in a collapsible tube.* Physiol Meas 2005;26:269-80.
5. Lamont RF, Khan KS, Beattie B, Roura LC, Di Renzo GC, Dudenhausen JW, Svare J, et al. *The quality of nifedipine studies used to assess tocolytic efficacy: a systematic review.* J Perinat Med 2005;33:287-95.
6. Lose G. *Desmopressin - A viewpoint.* Drugs 2005;65:108.
7. Lose G. *The burden of stress urinary incontinence.* European Urology Supplements 2005;4:5-10.
8. Moller LM. [Complications of gynaecological operations. A one-year analysis of a hospital database]. Ugeskr Laeger 2005;167: 4654-9.
9. Mouritsen L. *Classification and evaluation of prolapse.* Best Pract Res Clin Obstet Gynaecol 2005 ;19:895-911.
10. O'Donnell M, Lose G, Sykes D, Voss S, Hunskaar S. *Help-seeking behaviour and associated factors among women with urinary incontinence in France, Germany, Spain and the United Kingdom.* Eur Urol 2005;47:385-92.
11. Papanicolaou S, Hunskaar S, Lose G, Sykes D. *Assessment of bothersomeness and impact on quality of life of urinary incontinence in women in France, Germany, Spain and the UK.* BJU Int 2005;96:831-8.
12. Settnes A, Andreasen AH, Jorgensen T. *Hypertension is associated with an increased risk for hyster-ectomy - A Danish cohort study.* Eu Obstet Gynecol and Reprod Biol 2005;122:218-24.
13. Wagg A, Andersson KE, Cardozo L, Chapple C, Kirby M, Kelleher C, Lose G, et al. *Nocturia: morbidity and management in adults.* Int J Clin Pract 2005;59:938-45.
14. Lose G, Fischer-Rasmussen V. *Nedsyknning af genitalier (prolapsus genitalis).* In: Ottesen B, Mogensen O, Forman A, editors. Gynækologi. 3. udgave ed. Kbh.: Munksgaard Danmark; 2005. p. 278-87.
15. Lose G, Fischer-Rasmussen V. *Urininkontinens (incontinentia urinae).* In: Ottesen B, Mogensen O, Forman A, editors. Gynækologi. 3. udgave ed. Kbh.: Munksgaard Danmark; 2005. p. 288-304.
16. Fischer-Rasmussen W, Lose G. *Fistler til genitaltraktus.* In: Ottesen B, Mogensen O, Forman A, editors. Gynækologi. 3. udgave ed. Kbh.: Munksgaard Danmark; 2005. p. 384-5.
17. Clevin L, Kjer JJ, Ottesen B: *Operativ Gynækologi.* Gads Forlag, 2005.

# Kirurgisk afd. D

## Overordnede forskningsområder

### *Minimal invasiv kirurgi*

Den gastroenterologiske sektionens væsentligste forskningsområde, hvor der fokuseres på fysiologiske og patofysiologiske problematikker samt videreudvikling og evaluering af minimalt invasive procedurer indenfor såvel endoskopi som laparoskopi.

Forskningen omfatter såvel dyreeksperimentelle som klinisk humane undersøgelser samt evaluering af færdighedsuddannelse (simulatorer). Nye operationsmetoder evalueres med henblik på at optimere det perioperative forløb.

### *Tarmkanalens neurofysiologi*

Afdelingen har i laboratoriet en langvarig tradition for undersøgelser af specielt den øvre mave-/tarmkanals fysiologi og problematik omkring neurofysiologi med diverse hormoneffekter. Der foregår et formaliseret samarbejde med øvrige laboratorier om dette område.

### *Kolorektal kirurgi*

Forskningen koncentrerer sig om problematikker omkring stadieinddeling såvel udredningsmæssigt som på et mere eksperimentelt plan, hvor afdelingen f.eks. huser en vævsbank i samarbejde med Klinisk Biokemisk afd. Der foretages for øjeblikket kun undersøgelser på væv fra patienter med kolorektal cancer.

## Videnskabelige medarbejdere

Kirurgisk afd. D har ingen eksterne eller fuldtidsansatte videnskabelige medarbejdere.

## Publikationer i 2005

### *Originale videnskabelige publikationer*

1. Adamsen S, Funch-Jensen PM, Drewes AM, Rosenberg J, Grantcharov TP. *A comparative study of skills in virtual laparoscopy and endoscopy.* Surg Endos 2005;19:229-34.
2. Albrethsen J, Bogebo R, Gammeltoft S, Olsen J, Winther B, Raskov H. *Upregulated expression of human neutrophil peptides 1, 2 and 3 (HNP 1-3) in colon cancer serum and tumours: a bio marker study.* BMC Cancer 2005;19:5.
3. Bay-Nielsen M, Kehlet H. *Inguinal herniorrhaphy in women.* Hernia 2005; 25:1-4.
4. Bisgaard T, Rosenberg J, Kehlet H. *From acute to chronic pain after laparoscopic cholecystectomy: A prospective follow-up analysis.* Scand J Gastroenterol 2005;40:1358-64.
5. Carter FJ, Schijven MP, Aggarwal R, Grantcharov T, Francis NK, Hanna GB, et al. *Consensus guide-lines for validation of virtual reality surgical simulators.* Surg Endos 2005;19:1523-32.
6. Eriksen JR, Grantcharov T. *Objective assessment of laparoscopic skills using a virtual reality simulator.* Surg Endos 2005;19:1216-9.
7. Eriksen JR, Kristiansen VB, Hjortso NC, Rosenberg J, Bisgaard T. *Effect of laparoscopic cholecystectomy on the quality of life of patients with uncomplicated socially disabling gallstone disease.* Ugeskr Læger 2005; 167:2654-6.
8. Grantcharov TP, Carstensen L, Schulze S. *Objective assessment of gastrointestinal endoscopy skills using a virtual reality simulator.* JSLS 2005;9:130-3.
9. Grantcharov TP, Rosenberg J. *Laparoscopic appendectomy.* Ugeskr Læger 2005;167:2879-82.
10. Grantcharov TP, Schulze S. *Diagnostic laparoscopy under local anaesthesia.* Ugeskr Læger 2005;167:4360-2.
11. Gyrttrup HJ, Crone PO, Olsen JA. *Implementation of laparoscopic resection of the sigmoid colon, initial results and experiences.* Ugeskr Læger 2005;167:3682-4.
12. Jakobsen HL, Rosenberg J, Schulze S, Kristiansen VB. *Treatment of gallstone pancreatitis in Denmark.* Ugeskr Læger 2005;167:2651-3.
13. Nagell CF, Pedersen CR, Gyrttrup HJ. *Complications after stoma closure. A retrospective study of 11 years' experience.* Ugeskr Læger 2005;167:1742-5.
14. Schulze S, Kristiansen VB, Hansen BF, Rosenberg J. *Biological tissue adhesive for mesh-application in pigs - An experimental study.* Surg Endos 2005;19:342-4.

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15. Wara P, Bay-Nielsen M, Juul P, Bendix J, Kehlet H. *Prospective nationwide analysis of laparoscopic versus Lichtenstein repair of inguinal hernia*. Br J Surg 2005;92:1277-81.
16. Bardram, L, Rosenberg J, Kristiansen VB. *The Danish cholecystectomy Database – DCD*. Ugeskr Læger 2005; 167: 2618-20.
17. Bisgaard T, Kehlet H. Letter: *Randomized clinical trial of the effects of oral preoperative carbohydrates on postoperative nausea and vomiting after laparoscopic cholecystectomy*. Br J Surg 2005; 92: 415-421.
18. Christensen M, Milland T, Rasmussen, V, Schulze S., Rosenberg J. *ECG changes during endoscopic retrograde cholangio-pancreatography and coronary artery disease*. Scand J Gastroenterol 2005;40:713-20.
19. Carter FJ, Schijven MP, Aggarwal R, Grantcharov T, Francis NK, Hanna GB, Jakimowicz JJ. *Work Group for Evaluation and Implementation of Simulators and Skills Training Programmes*. Surg Endosc 2005;19:1523-32.
20. Hansen JM, Schmidt PN, Gyrtrup HJ, Matzen P, Bytzer P. *Appropriateness of colonoscopy. Are Euro-pean standards applicable to a Danish population?* Ugeskr Læger 2005;167:1738.
21. Hansen JM, Schmidt PN, Gyrtrup HJ, Matzen P, Bytzer P. *Kvaliteten af kolonoskopi i Danmark*. Ugeskr Læger 2005; 167:1733.
22. Trap R, Bechsgaard P. *Gallstone pains in general practice*. Ugeskr Læger 2005; 167: 2636.

#### **Bogkapitler**

23. Schulze S. *Kapitlet indledning. Basisbog i sygdomslære*. 1. udgave ed. Kbh.: Munksgaard Danmark; 2005.

#### **Bøger**

24. Schulze S, Schroeder TV. *Basisbog i sygdomslære*. 1. udgave ed. Kbh.: Munksgaard Danmark; 2005.

# Klinisk Biokemisk afd.

## Overordnede forskningsområder

**Molekylær cellebiologi** (hormoner og vækstfaktorers signal mekanismer i normale og syge celler).

**Proteomics** (struktur og funktion af protein kinaser og identifikation af phosphorylerede proteiner).

**Bioinformatik** (identifikation af nye proteiner, strukturanalyse af proteiner og påvisning af modifikationer).

**Molekylær neurobiologi** (signal mekanismer i hjernens blodkar ved hovedpine).

**Molekylær genetik** (arvelige årsager til type I diabetes hos børn og unge).

**Cancer diagnostik** (biomarkører i serum/plasma for colon cancer).

## Videnskabelige medarbejdere i 2005

**Ledende overlæge, dr.med Steen Gammeltoft,.**

**1. reservelæge dr.med Søren Sheikh.**

**Seniorforsker, kemiker, ph.d. Malene Brandt.**

**Seniorforsker, biokemiker, ph.d. Tia Sorsa.**

**Ph.d.-studerende, biokemiker Majbrit Hjerrild.**

**Ph.d.-studerende, biokemiker Jakob Albrechtsen.**

**Ph.d.-studerende, agronom Rikke Bøgebo.**

**Ph.d.-studerende, biokemiker Lotte Brøndum Nielsen.**

**Ph.d.-studerende, human biolog Lars Schack Kruse.**

**Ph.d.-studerende, biolog Gitte Lund Christensen  
(fra d. 1.4.2005).**

**Specialestuderende, stud.scient. Morten Eskildsen,  
(fra d. 1.5.2005).**

## Publikationer 2005

1. Albrechtsen J, Bøgebo R, Gammeltoft S, Olsen J, Winther B, Raskov H. *Upregulated expression of human neutrophil peptides 1, 2 and 3 (HNP 1-3) in colon cancer serum and tumours: a bio marker study.* BMC Cancer 2005;5:8.
2. Dummler BA, Hauge C, Silber J, Yntema HG, Kruse LS, Kofoed B, Hemmings BA, Alessi DR, Frodin M. *Functional characterization of RSK4, a new 90 kDa ribosomal S6 kinase, reveals constitutive activation in most cell types.* J Biol Chem 2005;280:13304-14
3. Artus J, Vandormael-Pournin S, Frodin M, Nacerddine K, Babinet C, Cohen-Tannoudji M. *Impaired mitotic progression and preimplantation lethality in mice lacking OMCG1, a new evolutionarily conserved nuclear protein.* Mol Cell Biol 2005;25:6289-302.
4. Fiory F, Alberobello AT, Miele C, Oriente F, Esposito I, Corbo V, Ruvo M, Tizzano B, Rasmussen TE, Gammeltoft S, Formisano P, Beguinot F. *Tyrosine phosphorylation of phosphoinositide-dependent kinase 1 by the insulin receptor is necessary for insulin metabolic signaling.* Mol Cell Biol 2005;25:10803-14.

# Klinisk Eksperimentel Forskningsafd.

## Overordnede forskningsområder

Professor dr.med. Lars Edvinsson og medarbejdere. Klinisk Eksperimentel Forskningsafdeling. Blodkarrenes regulation i cerebrale og perifere blodkar studeres ved forskning i signal-transduktions mekanismer og receptor regulering ved sygdom. Emnerne er dels kardiologiske, dels neurologiske herunder hovedpineforskning og forskning i apoplexi. Der samarbejdes med neurologisk og neurokirurgisk afd. klinisk fysiologisk/nuklearmedicinsk afd. samt med Universitetet i Lund.

Professor dr.med. Jes Olesen og seniorforsker Inger Jansen Olesen. Neurologisk afd. N. In vivo studier af tilgrundlæggende vaskulære mekanismer ved migræne udføres i en såkaldt "lukket kranievinduemodel" på henholdsvis rotter. In vitro forsøg med henblik på at analysere cerebrovaskulære effekter af migræne relevante stoffer og molekulære udtryk af receptorer og ionkanaler i kranielle blodkar. Der samarbejdes med neurokirurgisk afd., Danmarks Farmaceutiske universitet samt Panum Institutet. Desuden forskes der i immunologiske studier ved dissemineret sclerose.

Interface Biotech A/S dyrker autologe bruskceller til implantation i knæled til reparation af bruskskader hos mennesker. Der forskes i anvendelse af humane knogleceller samt mesenchymale stamceller til reparation af vævsskader. Der samarbejdes med Fysiurgisk/Reumatologisk afd. og Ortopædkirurgisk afd. i Glostrup og Gentofte, Frederikssund Idrætsklinik samt Slagelse Sygehus.

## Videnskabelige medarbejdere

*Med tilknytning til Klinisk Eksperimentel Forskningsafdeling:*

1 professor, overlæge, dr.med.

1 post doc ph.d.

2 ph.d.-studerende

1 MSc, ph.d.

1/2 sekretær

1 medicinstuderende

*Med tilknytning til Neurologisk afd.:*

1 seniorforsker, cand.pharm. dr.med.

2 ph.d.-studerende

1 laborant

## Publikationer i 2005

- Jansen-Olesen I, Zhou M, Zinck T, Xu CB, Edvinsson L. *Expression of inducible nitric oxide synthase in trigeminal ganglion cells during culture.* Basic Clin Pharmacol Toxicol 2005;97:355-63.
- Beg SA, Hansen-Schwartz JA, Vikman PJ, Xu CB, Edvinsson LI. *ERK1/2 inhibition attenuates cerebral blood flow reduction and abolishes ET(B) and 5-HT(1B) receptor upregulation after subarachnoid hemorrhage in rat.* J Cereb Blood Flow Metab. 2005 Nov 2; [Epub ahead of print]
- Andersson SE, Edvinsson ML, Edvinsson L. *Reduction of homo cysteine in elderly with heart failure improved vascular function and blood pressure control but did not affect inflammatory activity.* Basic Clin Pharmacol Toxicol. 2005;97:306-10.
- Zheng JP, Cao YX, Xu CB, Edvinsson L. *Vasodilation effect of atropine on rat mesenteric artery* Yao Xue Xue Bao. 2005;40:402-5. Chinese.
- Kruuse C, Khurana TS, Rybalkin SD, Birk S, Engel U, Edvinsson L, Olesen J. *Phosphodiesterase 5 and effects of sildenafil on cerebral arteries of man and guinea pig.* Eur J Pharmacol 2005 ;521:105-14.
- Cao YX, Zheng JP, He JY, Li J, Xu CB, Edvinsson L. *Induces vasodilation of rat mesenteric artery in vitro mainly by inhibiting receptor-mediated Ca(2+)-influx and Ca(2+)-release.* Arch Pharm Res. 2005;28:709-15.
- Andersson SE, Edvinsson ML, Alving K, Edvinsson L. *Vasodilator effect of endothelin in cutaneous microcirculation of heart failure patients.* Basic Clin Pharmacol Toxicol. 2005;97:80-5.
- Edvinsson L, Uddman R. *Neurobiology in primary headaches.* Brain Res Brain Res Rev. 2005 ;48:438-56.
- Edvinsson L. *Clinical data on the CGRP antagonist BIBN4096BS for treatment of migraine attacks.* CNS Drug Rev 2005;11:69-76.
- Edvinsson L, Uddman E, Wackenfors A, Davenport A, Longmore J, Malmsjö M. *Triptan-induced contractile (5-HT1B receptor) responses in human cerebral and coronary arteries: relationship to clinical effect.* Clin Sci (Lond) 2005;109:335-42.
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# Klinisk Fysiologisk/nuklearmedicinsk afd.

## Overordnede forskningsområder

Det forhøjede blodtryk

Osteoporose

Binyrebarksygdomme

Funktionel MR

Prognostiske faktorer ved hjerte-kar-sygdomme

## Videnskabelige medarbejdere

Forskningsoverlæge Henrik BW Larsson

Ph.d-studerende, læge Marina Christensen

## Publikationer i 2005

### Tidsskriftartikler:

1. Frese A, Schilgen M, Edvinsson L, Frandsen E, Evers S. *Calcitonin gene-related peptide in cervi-cogenic headache*. Cephalalgia 2005;25:700-3
2. Melander O, Frandsen E, Magnusson M, Grubb A, Jovinge S, Groop L. *Nt-proANP in plasma, a marker of salt sensitivity, is reduced in type 2 diabetes patients*. J Intern Med 2005;257:281-8.
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5. Birk S, Petersen KA, Kruuse C, Guieu R, Jonassen O, Eisert W, et al. *The effect of circulating adenosine on cerebral haemodynamics and headache generation in healthy subjects*. Cephalalgia 2005;25:369-77.
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10. Johannsen TH, Mallet D, Petersen HD, Muller J, Main KM, Morel Y, et al. *Delayed diagnosis of congenital adrenal hyperplasia with salt wasting due to type II 3 beta-hydroxysteroid dehydrogenase deficiency*. J Clin Endocrinol Metab 2005;90:2076-80.
11. Tvedskov JF, Lipka K, Ashina M, Iversen HK, Schifter S, Olesen J. *No increase of calcitonin gene-related peptide in jugular blood during migraine*. Ann Neurol 2005;58:561-8.
12. Olsen MH, Hansen TW, Christensen MK, Gustafsson F, Rasmussen S, Wachtell K, Borch-Johnsen K, Ibsen H, Jorgensen T, Hildebrandt P. *N-terminal pro brain natriuretic peptide is inversely related to metabolic cardiovascular risk factors and the metabolic syndrome*. Hypertension 2005;46:660-6.
13. Olsen MH, Wachtell K, Neland K, Bella JN, Rokkedal J, Dige-Petersen H, Ibsen H. *Losartan but not atenolol reduce carotid artery hypertrophy in essential hypertension. A LIFE substudy*. Blood Press 2005;14(3):177-83.
14. Olsen MH, Wachtell K, Tuxen C, Fossum E, Bang LE, Hall C, Ibsen H, Rokkedal J, Devereux RB, Hildebrandt PR. *Opposite effects of losartan and atenolol on natriuretic peptides in patients with hypertension and left ventricular hypertrophy: a LIFE substudy*. J Hypertens. 2005 May;23(5):1083-90.
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### Lærebogskapitler:

17. Jensen LT. *Medicinske stråleskader. Kapitel 64, Medicinsk Kompendium Lommebog*. Nyt Nordisk Forlag Arnold Busck. ISBN 8717037794, 3. udgave, 1. oplag 2005.

# Klinisk Neurofysiologisk afd.

## Overordnede forskningsområder

### Dyreksperimentelle undersøgelser

- Hjernens blodgennemstrømning.
- Hjernens energistofskifte.
- Akutte hjerneskaders neurofysiologi og plasticitet.
- Neurofysiologiske mekanismer i cerebellum.
- Hypokretin-systemets betydning for regulation af søvn.
- Søvn og epilepsi.

### Kliniske undersøgelser

- Hjernebarkens elektriske aktivitet hos patienter med akut hjerne-sygdom undersøgt med elektrokortikografi.
- Søvn og søvnforstyrrelser hos patienter med epilepsi og Parkinson-sygdomme og andre neurodegenerative sygdomme.
- Søvn og nycturi.
- Narkolepsi - søvn, symptomer og csv-hypokretin.
- Perifer nervefunktion ved polyneuropati.
- Neurofysiologiske undersøgelser af 'critical illness' polyneuropati/myopati.
- Neurofysiologiske undersøgelser af smertesans.
- Neurofysiologiske undersøgelser af kortiko-spinale baner til urethrale og anale lukkemuskler.
- Neurofysiologiske undersøgelser af larynxmuskler efter struma operationer.
- Elektrofysiologiske aspekter ved registrering af sensoriske potentialer.
- Genotype-fænotype sammenhænge ved arvelige ionkanalsygdomme.

## Videnskabelige medarbejdere

*Professor, dr.med. Martin Lauritzen*

*Klinisk assistent, læge ph.d, Kirsten Thomsen*

*Post-doc, ph.d, cand.scient. Kirsten Caesar*

*ph.d.-studerende, cand.scient. Pia Enager*

*Post-doc, ph.d, cand.scient. Tina Rasmussen*

*Læge, ph.d.-studerende, Henning Piilgaard Hansen*

*Læge, ph.d.-studerende, Stine Knudsen*

*Læge, dr.med.-studerende Susanne Babara Fuhr, Humboldt Universität, Berlin.*

*Læge, dr.med.-studerende Nikolas Offenhauser, Humboldt Universität, Berlin.*

## Publikationer 2005

1. Lauritzen M. *Opinion: Reading vascular changes in brain imaging: is dendritic calcium the key?* Nat Rev Neuro-sci 2005;6:77-05.
2. Offenhauser N, Thomsen K, Caesar K. & Lauritzen M. *Activity-induced tissue oxygenation changes in rat cerebellar cortex: Interplay of postsynaptic activation and blood flow.* J Physiol 2005; 565(Pt 1):279-94.
3. Roed H, Frederiksen J, Langkilde A, Sørensen TL, Lauritzen M, Sellebjerg F. *Systemic T-cell activation in acute clinically isolated optic neuritis.* Neuroimmunol 2005;162:165-72.
4. Roed HG, Langkilde A, Sellebjerg F, Lauritzen M, Bang P, Mørup A, Frederiksen J. *A double-blind, randomized trial of IV immunoglobulin treatment in acute optic neuritis.* Neurology 2005;64:804-10.
5. Bastlund, J.F., Jennum, P., Mohapel, P., Penschuck, S., & Watson, W.P. *Spontaneous epileptic rats show changes in sleep architecture and hypothalamic pathology.* Epilepsia 2005;46:934-8.
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8. Jennum PJ, Tonnesen P, Rasmussen N, Norregaard O. *[Sleep-related respiration disorders. Definition, prevalence, pathophysiology and consequences].* Ugeskr Laeger 2005;167:2380-5.
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10. Larsen K, Smith T. *Tab af kæben som atypisk debutsymptom ved Kennedys syndrom.* Ugeskr Læger 2005; 167:3310-11.
11. Parkin M, Hopwood S, Jones DA, Hashemi P, Landolt H, Fabricius M, Lauritzen M, Boutelle MG, Strong AJ. *Dynamic changes in brain glucose and lactate in pericontusional areas of the human cerebral cortex, monitored with rapid sampling on-line microdialysis: relationship with depolarisation-like events.* J Cereb Blood Flow Metab 2005; 25:402-13
12. Lauritzen M, Kraig RP. *Spreading Depression.* Chapter 28, 269-274, in The Headaches, 3rd -Edition, edited by J Olesen, PJ Goadsby, NM Ramadan, P Tfelt-Hansen, KMA Welch. 2005

# Kæbekirurgisk afd. Z

## Overordnede forskningsområder

### *Kombineret ortodontisk-kirurgisk behandling*

Vækstbetingede kæbeanomalier (store under- og overbid), der ikke kan rettes med almindelig tandretning, kræver kombineret tandretning og kæbeflytningsoperation. Denne behandling er særdeles kompliceret og er baseret på computeranalyse af røntgenbilleder af kæber og kranium, samt planlægning af operation ved hjælp af modeller af kæberne. Projektet søger at optimere planlægning, simulering af operation samt kvalitetskontrol af kæbeoperationerne.

### *Ossøs rekonstruktion af kæber*

Patienter med svind af gummen efter mange års tandløshed har dårlig protese-funktion og kan ikke tygge maden. Ved hjælp af ossøs rekonstruktion af kæben med hofteknogle kan man opbygge en ny kæbekam. Der kan efterfølgende indsættes implantater i kæberne til fastholdelse af protese eller bro. Andre muligheder for rekonstruktion er osseo-distraktion samt indsættelse af kindbensimplantater (zygomaimplantater). Disse områder er under videreudvikling mhp. optimering.

### *Præmaligne mundslimhindelidelser/oral cancer*

Visse mundslimhindeforandringer (leukoplakier og erytroplakier) viser øget hyppighed af udvikling af oral cancer. Når disse læsioner udviser epiteldysplasi eller carcinoma in situ ved biopsi, bliver de fjernet kirurgisk. Projektet undersøger recidivfrekvens, risikofaktorer så som tobak og alkohol m.fl. samt søger at forebygge cancerudvikling i mundhulen.

### *Sjögrens syndrom*

Kæbekirurgisk afd. har i slutningen af 2003 indgået et globalt forskningsprojekt om Sjögrens syndrom mhp. at oprette en fælles international data- og vævbank mhp. udforskning af ætiologi og patogenese af Sjögrens syndrom. Projektet er støttet af National Institute of Health (NIH) og omfatter en række internationale samarbejdspartnere i USA, Asien, Sydamerika og Europa. Projektet skal løbe i 5 år.

## Videnskabelige medarbejdere

Tandlæge 12 timer/uge

Projektsygeplejerske 32 timer/uge

## Publikationer i 2005

1. Arx T, Broggin N, Jensen SS, Bornstein MM, Schenk RK, Buser D. *Membrane durability and tissue response of different bioresorbable barrier membranes: A histologic study in the rabbit calvarium.* Int. J Oral Maxillofac Implants 2005;20:843-853.
2. Asmussen K, Schiødt M, Johansen S. Sjögrens syndrom. I *Lærebog i Reumatologi.* FADL's forlag. 2. Udg. 2005 in press.
3. Flint S. & Schiødt M. *Necrotizing Sialometaplasia.* In: European Oral Medicine Textbook. European Association of Oral Medicine. 2005.
4. Gottrup F, Jensen SS, Andreasen JO. *Wound healing subsequent to injury.* In: *Textbook and Coloratlas of traumatic injuries to the teeth 4th edition.* Eds. Andreasen JO, Andreasen FM, Andersson L. Blackwell Munksgaard 2005;in press.
5. Jensen T, Worsaae N, Møller M. *Deformation of the mandible due to neonatal moulding: a 10-year follow-up.* Int J Oral Maxillofac Surg 2005;34:686-589.
6. Jensen SS, Broggin N, Weibrich G, Hjørting-Hansen E, Schenk R, Buser D. *Bone Regeneration in Standardized Bone Defects with Autografts or Bone Substitutes in Combination with Platelet Concentrate: A Histologic and Histomorphometric Study in the Mandibles of Minipigs.* Int J Oral Maxillofac Implants 2005; 20:703-712.
7. Jensen SS, Broggin N, Hjørting-Hansen E, Schenk R, Buser D. *Bone healing and graft resorption of autograft, anorganic bovine bone and synthetic -tricalcium phosphate. A histologic and histomorphometric study in the mandibles of minipigs.* Clin Oral Implants Res 2005;in press.
8. Schiødt M: *Mundhulen.* Lægemiddelkataloget. 2005.

# Medicinsk afd. M

## Overordnede forskningsområder

### Gastromedicinsk sektion M1

Syrerelateret dyspepsi

Inflammatoriske tarmsygdomme

Pancreatitis

### Kardiovaskulær sektion M2

Hypertension

Hyperlipidæmi

Hjertesvigt

Iskæmisk hjertesygdom

## Videnskabelige medarbejdere

1 klinisk assistent

2 sygeplejersker

1 bioanalytiker

## Publikationer i 2005

### Gastromedicinsk sektion – M1

1. Van Blankenstein M, Looman CW, Hop WC, Bytzer P. *The incidence of adenocarcinoma and squamous cell carcinoma of the esophagus: Barrett's esophagus makes a difference.* Am J Gastroenterol 2005;100:766-74.
2. Søndergaard B, Bytzer P. *Eradikationsbehandling for ulcus sygdom hos Helicobacter pylori-positive patienter.* Ugeskr Læger 2005;167:500-2.
3. Pedersen JF, Dakhil AZ, Jensen DB, Søndergaard B, Bytzer P. *Ab normal hepatic vein Doppler waveform in patients without liver disease.* Br J Radiol 2005;927:242-4.
4. Bytzer P. *Gastro-oesophageal reflux disease: Epidemiologic challenges (editorial).* Scand J Gastroenterol 2005;40:247-9.
5. Schmidt PN, Hansen JM, Bytzer P, Gyrtrup HJ, Matzen P. *Kvaliteten af kolonoskopi i Danmark. Resultater fra et europæisk kvalitets studie.* Ugeskr Læger 2005;167:1733-7.
6. Hansen JM, Schmidt PN, Matzen P, Gyrtrup HJ, Bytzer P. *Appropriateness af kolonoskopi. Værdien af europæisk udviklede kriterier for en dansk population.* Ugeskr Læger 2005;167:1738-42.
7. Bytzer P. *Dyspepsi og helicobacter – fra evidens til klinisk praksis (videnskabelig leder).* Ugeskr Læger 2005;167:4631.
8. Tack J, Müller-Lissner S, Bytzer P et al. *A randomised controlled trial assessing the efficacy and safety of repeated tegaserod therapy in women with irritable bowel syndrome with constipation.* Gut 2005;54:1707-13.

9. Vader J-P, Wietlisbach V, Harris J-K et al. *Gastroenterologists overestimate the appropriateness of colonoscopies they perform: An international observational study.* Endoscopy 2005; 37:840-6.
10. Hughes DA, Bodger K, Bytzer P, de Herdt D, Dubois D. *Economic analysis of on-demand maintenance therapy with proton pump inhibitors in patients with non-erosive reflux disease.* Pharmacoeconomics 2005;23:1031-41.
11. Bytzer P, O'Morain C. *Treatment of Helicobacter pylori.* Helicobacter 2005;10(Suppl 1):40-6.
12. Pedersen JF, Larsen VA, Bytzer P, Madsen LG, Hamberg O. *Hepatic transit time of ultrasound contrast in biopsy characterised liver disease.* Acta Radiologica 2005;46:557-60
13. Behrend L, Vibe-Petersen J, Perrild H. *Sildenafil in the treatment of erectile dysfunction in men with diabetes: demand, efficacy and patient satisfaction.* Int J Impot Res 2005;17:264-9.
14. Bytzer P, O'Morain C. *Treatment of Helicobacter pylori.* Helicobacter 2005;10:40-6.
15. Tack J, Muller-Lissner S, Bytzer P, Corinaldesi R, Chang L, Viegas A, et al. *A randomised controlled trial assessing the efficacy and safety of repeated tegaserod therapy in women with irritable bowel syndrome with constipation.* Gut 2005;54:1707-13.

### Kardiovaskulær sektion M 2

16. Olsen MH, Wachtell K, Bella JN, Gerds E, Palmieri V, Nieminen MS, Smith G, Ibsen H, Devereux RB. *Aortic valve sclerosis relates to cardiovascular events in patients with hypertension (a LIFE substudy).* Am J Cardiol 2005;95:132-6.
17. Olsen MH, Christensen MK, Wachtell K, Tuxen C, Fossum E, Bang LE, Wiinberg N, Devereux RB, Kjeldsen SE, Hildebrandt P, Dige-Petersen H, Rokkedal J, Ibsen H. *Markers of collagen synthesis is related to blood pressure and vascular hypertrophy: a LIFE substudy.* J Hum Hypertens 2005;19:301-7.
18. Wachtell K, Hornestam B, Lehto M, Slotwiner DJ, Gerds E, Olsen MH, Aurup P, Dahlof B, Ibsen H, Julius S, Kjeldsen SE, Lindholm LH, Nieminen MS, Rokkedal J, Devereux RB. *Cardiovascular morbidity and mortality in hypertensive patients with a history of atrial fibrillation: The Losartan Intervention For End Point Reduction in Hypertension (LIFE) study.* J Am Coll Cardiol 2005;45:705-11.
19. Wachtell K, Lehto M, Gerds E, Olsen MH, Hornestam B, Dahlof B, Ibsen H, Julius S, Kjeldsen SE, Lindholm LH, Nieminen MS, Devereux RB. *Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol: the Losartan Intervention For End Point Reduction in Hypertension (LIFE) study.* J Am Coll Cardiol 2005;45:712-9.

20. Hansen TW, Jeppesen J, Rasmussen S, Ibsen H, Torp-Pedersen C. *Ambulatory Blood Pressure and Mortality. A Population-Based Study.* Hypertension 2005;45:499-504.
21. Reims HM, Oparil S, Kjeldsen SE, Devereux RB, Julius S, Brady WE, Fyhrquist F, Ibsen H, Lindholm LH, Omvik P, Wedel H, Beevers G, de Faire U, Kristianson K, Lederballe-Pedersen O, Nieminen MS, Dahlof B; LIFE Study Group. *Losartan benefits over atenolol in non-smoking hypertensive patients with left ventricular hypertrophy: the LIFE study.* Blood Press 2005;13:376-84.
22. Olsen MH, Fossum E, Hoiieggen A, Wachtell K, Hjerkin E, Nesbitt SD, Andersen UB, Phillips RA, Gaboury CL, Ibsen H, Kjeldsen SE, Julius S. *Long-term treatment with losartan versus atenolol improves insulin sensitivity in hypertension: ICARUS, a LIFE substudy.* J Hypertens 2005;33:891-8.
23. Kjeldsen SE, Lyle PA, Kizer JR, Dahlof B, Devereux RB, Julius S, Beevers G, de Faire U, Fyhrquist F, Ibsen H, Kristianson K, Lederballe-Pedersen O, Lindholm LH, Nieminen MS, Omvik P, Oparil S, Snapinn SM, Harris KE, Wedel H; LIFE Study Group. *The effects of losartan compared to atenolol on stroke in patients with isolated systolic hypertension and left ventricular hypertrophy. The LIFE study.* J Clin Hypertens (Greenwich) 2005;7:152-8.
24. Fyhrquist F, Dahlof B, Devereux RB, Kjeldsen SE, Julius S, Beevers G, de Faire U, Ibsen H, Kristianson K, Lederballe-Pedersen O, Lindholm LH, Nieminen MS, Omvik P, Oparil S, Hille DA, Lyle PA, Edelman JM, Snapinn SM, Wedel H; LIFE Study Group. *Pulse pressure and effects of losartan or atenolol in patients with hypertension and left ventricular hypertrophy.* Hypertension 2005;45:580-5.
25. Olsen MH, Wachtell K, Tuxen C, Fossum E, Bang LE, Hall C, Ibsen H, Rokkedal J, Devereux RB, Hildebrandt PR. *Opposite effects of losartan and atenolol on natriuretic peptides in patients with hypertension and left ventricular hypertrophy: a LIFE substudy.* J Hypertens 2005;23:1083-90.
26. de Simone G, Wachtell K, Palmieri V, Hille DA, Beevers G, Dahlof B, de Faire U, Fyhrquist F, Ibsen H, Julius S, Kjeldsen SE, Lederballe-Pedersen O, Lindholm LH, Nieminen MS, Omvik P, Oparil S, Devereux RB. *Body build and risk of cardiovascular events in hypertension and left ventricular hypertrophy: the LIFE (Losartan Intervention For Endpoint reduction in hypertension) study.* Circulation 2005;111:1924-31.
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29. Olsen MH, Hansen TW, Christensen MK, Gustafsson F, Rasmussen S, Wachtell K, Borch-Johnsen K, Ibsen H, Jorgensen T, Hildebrandt P. *N-terminal pro brain natriuretic peptide is inversely related to metabolic cardiovascular risk factors and the metabolic syndrome.* Hypertension 2005; 46:660-6.
30. Fossum E, Moan A, Kjeldsen SE, Devereux RB, Julius S, Snapinn SM, Edelman JM, de Faire U, Fyhrquist F, Ibsen H, Kristianson K, Lederballe-Pedersen O, Lindholm LH, Nieminen MS, Omvik P, Oparil S, Wedel H, Dahlof B; LIFE Study Group. *The Effect of Losartan Versus Atenolol on Cardiovascular Morbidity and Mortality in Patients With Hypertension Taking Aspirin The Losartan Intervention for Endpoint Reduction in Hypertension (LIFE) Study.* J Am Coll Cardiol 2005;46:770-5.
31. Kjeldsen SE, Lyle PA, Tershakovec AM, Devereux RB, Oparil S, Dahlof B, de Faire U, Fyhrquist F, Ibsen H, Kristianson K, Lederballe-Pedersen O, Lindholm LH, Nieminen MS, Omvik P, Wedel H. *Targeting the renin-angiotensin system for the reduction of cardiovascular outcomes in hypertension: angiotensin-converting enzyme inhibitors and angiotensin receptor blockers.* Expert Opin Emerg Drugs 2005;10:729-45.
32. Olsen MH, Wachtell K, Bella JN, Palmieri V, Gerds E, Smith G, Nieminen MS, Dahlof B, Ibsen H, Devereux RB. *Aortic valve sclerosis and albuminuria predict cardiovascular events independently in hypertension: a losartan intervention for endpoint-reduction in hypertension (LIFE) substudy.* Am J Hypertens 2005;18:1430-6.
33. Carr AA, Kowey PR, Devereux RB, Brenner BM, Dahlof B, Ibsen H, Lindholm LH, Lyle PA, Snapinn SM, Zhang Z, Edelman JM, Shahinfar S. *Hospitalizations for new heart failure among subjects with diabetes mellitus in the RENAAL and LIFE studies.* Am J Cardiol 2005;96:1530-6.
34. Kjaer A, Meyer C, Wachtell K, Olsen MH, Ibsen H, Opie L, Holm S, Hesse B. *Positron emission tomographic evaluation of regulation of myocardial perfusion in physiological (elite athletes) and pathological (systemic hypertension) left ventricular hypertrophy.* Am J Cardiol. 2005;96:1692-8.
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36. Christensen M, Ibsen H, Worck R. *Effect of eprosartan on catecholamines and peripheral haemodynamics in subjects with insulin-induced hypoglycaemia*. Clin Sci 2005 Feb;108(2):113-9.
37. Wachtell K, Lehto M, Gerds E, Olsen MH, Hornestam B, Dahlöf B, et al. *Angiotensin II receptor blockade reduces new-onset atrial fibrillation and subsequent stroke compared to atenolol - The Losartan Intervention For Endpoint reduction in hypertension (LIFE) study*. J Am Coll Cardiol 2005;45:712-9.
38. Ibsen H, Olsen MH, Wachtell K, Borch-Johnsen K, Lindholm LH, Mogensen CE, et al. *Reduction in albuminuria translates to reduction in cardiovascular events in hypertensive patients - Losartan intervention for endpoint reduction in hypertension study*. Hypertension 2005;45:198-202.
39. Kizer JR, Dahlöf B, Kjeldsen SE, Julius S, Beevers G, de Faire U, et al. *Stroke reduction in hypertensive adults with cardiac hypertrophy randomized to losartan versus atenolol - The Losartan Intervention for Endpoint reduction in hypertension study*. Hypertension 2005;45:46-52
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# Neurokirurgisk afd. H

## Overordnede forskningsområder

*Subarachnoidalblødning fra aneurysme:  
Den tidlige fase. Fibrinolyse og antifibrinolytisk behandling.*

*CEDRIC:  
Cervikal diskusprotese versus cage ved cervical spondylose*

*Kronisk subduralt hæmatom:  
Skylledrænage versus standarddrænage*

*Selektiv perfusion af a. cerebri media:  
En ny eksperimentel model til forskning i cerebral iskæmi*

*SonoWand ultralydsguidet neuronavigation og optimering af  
hjernetumorkirurgi*

*Effekten af mikrovaskulær dekompression for trigeminusneu-  
ralgi:  
En retrospektiv analyse.*

*COSBID:  
Cortical spreading depression ved svær hjernelæsion*

## Videnskabelige medarbejdere

*Professor Jens Astrup*

## Publikationer i 2005

### *Originale videnskabelige publikationer*

1. Albeck MJ, Boge-Rasmussen T, Fedders O, Nielsen CJ, Lundberg J. *Spinal surgery organization. Danish Society of Neurosurgery. Ugeskr Laeger* 2005;167:1397
2. Bech-Azeddine R, Gjerris F, Waldemar G, Czosnyka M, Juhler M. *Intraventricular or lumbar infu-sion test in adult communicating hydrocephalus? Practical consequences and clinical outcome of shunt operation. Acta Neurochir (Wien)* 2005;147:1027-36.
3. Lohse N, Hansen AB, Jensen-Fangel S, Kronborg G, Kvinesdal B, Pedersen C, Larsen CS, Moller A, Willumsen L, Obel N. *Demogra- phics of HIV-1 infection in Denmark: results from the Danish HIV Cohort Study. Scand J Infect Dis* 2005;37:338-43.

# Neurologisk afd. N

## Overordnede forskningsområder

Hovedpine

Apopleksi

Sklerose

Epilepsi

## Videnskabelige medarbejdere

1 professor

9 overlæger

3 speciallæger

1 post.doc

1 seniorforsker

14 ph.d.-studerende

## Publikationer 2005

### Artikler

1. Andlin-Sobocki P, Jonsson B, Wittchen HU, Olesen J. *Cost of disorders of the brain in Europe*. Eur J Neurol 2005;12 suppl 1:1-17
2. Ashina M, Jorgensen M, Stallknecht B, Mork H, Bendtsen L, Pedersen JF, Olesen J, Jensen R. *No release of interstitial glutamate in experimental human model of muscle pain*. European Journal of Pain 2005;9:337-343.
3. Ashina S, Ashina M. *Headache in systemic mastocytosis: a case report with pathophysiological considerations*. Cephalalgia 2005;25:314-316.
4. Ashina S, Babenko L, Jensen R, Ashina M, Magerl W, Bendtsen L. *Increased muscular and cutaneous pain sensitivity in cephalic region in patients with chronic tension-type headache*. Eur J Neurol 2005;12:543-549.
5. Ashina S, Bendtsen L, Ashina M. *Pathophysiology of tension-type headache*. Curr Pain Headache Rep 2005;9:415-422.
6. Baandrup L, Jensen R. *Chronic post-traumatic headache - a clinical analysis in relation to the International Headache Classification 2nd Edition*. Cephalalgia 2005;25:132-138.
7. Birk S, Petersen KA, Kruuse C, Guieu R, Jonassen O, Eisert W, Olesen J. *The effect of circulating adenosine on cerebral haemodynamics and headache generation in healthy subjects*. Cephalalgia 2005;25:369-377.
8. Christensen MB, Bendtsen L, Ashina M, Jensen R. *Experimental induction of muscle tenderness and headache in tension-type headache patients*. Cephalalgia 2005;25:1061-1067.
9. Eriksen MK, Thomsen LL, Olesen J. *Sensitivity and specificity of the new international diagnostic criteria for migraine with aura*. Neurol Neurosurg Psychiatry 2005;76:212-217.
10. Eriksen MK, Thomsen LL, Olesen J. *The visual aura rating scale (VARS) for migraine aura diagnosis*. Cephalalgia 2005;25:801-810.
11. Freedman MS, Thompson EJ, Deisenhammer F, Giovannoni G, Grimsley G, Keir G, Ohman S, Racke MK, Sharief M, Sindic CJ, Sellebjerg F, Tourtellotte WW. *Recommended standard of cerebrospinal fluid analysis in the diagnosis of multiple sclerosis: a consensus statement*. Arch Neurol 2005;62:865-870.
12. Gozalov A, Petersen KA, Mortensen C, Jansen-Olesen I, Klaerke D, Olesen J. *Role of K-ATP channels in the regulation of rat dura and pia artery diameter*. Cephalalgia 2005;25:249-260.
13. Jansen-Olesen I, Mortensen CH, El-Bariaki N, Ploug KB. *Characterization of K-ATP-channels in rat basilar and middle cerebral arteries: Studies of vasomotor responses and mRNA expression*. Eur J Pharmacol 2005;523:109-118.
14. Jansen-Olesen I, Zhou M, Zinck T, Xu CB, Edvinsson L. *Expression of inducible nitric oxide synthase in trigeminal ganglion cells during culture*. Basic Clin Pharmacol Toxicol 2005;97:355-363.
15. Jensen J, Krakauer M, Sellebjerg F. *Cytokines and adhesion molecules in multiple sclerosis patients treated with interferon-beta 1b*. Cytokine 2005;29:24-30.
16. Kruuse C, Khurana TS, Rybalkin SD, Birk S, Engel U, Edvinsson L, Olesen J. *Phosphodiesterase 5 and effects of sildenafil on cerebral arteries of man and guinea pig*. Eur J Pharmacol 2005;521:105-114.
17. Lassen LH, Sperling B, Andersen AR, Olesen J. *The effect of i.v. L-N-G methylarginine hydrochloride (L-NMMA : 546C88) on basal and acetazolamide (Diamox ((R))) induced changes of blood velocity in cerebral arteries and regional cerebral blood flow in man*. Cephalalgia 2005;25:344-352.
18. Lim ET, Sellebjerg F, Jensen CV, Altmann DR, Grant D, Keir G, Thompson EJ, Giovannoni G. *Acute axonal damage predicts clinical outcome in patients with multiple sclerosis*. Mult Scler 2005;11:532-536.
19. Lyngberg AC, Rasmussen BK, Jorgensen T, Jensen R. *Has the prevalence of migraine and tension-type headache changed over a 12-year period? A Danish population survey*. Eur J Epidemiol 2005;20:243-249.
20. Lyngberg AC, Rasmussen BK, Jorgensen T, Jensen R. *Incidence of primary headache: A Danish epidemiologic follow-up study*. Am J Epidemiol 2005 Jun 1;161:1066-1073.

21. Lyngberg AC, Rasmussen BK, Jorgensen T, Jensen R. *Prognosis of migraine and tension-type headache - A population-based follow-up study.* Neurology 2005;65:580-585.
22. Lyngberg AC, Rasmussen BK, Jorgensen T, Jensen R. *Secular changes in health care utilization and work absence for migraine and tension-type headache: A population based study.* Eur J Epidemiol 2005;20:1007-1014.
23. McCrory DC, Gray RN, Tfelt-Hansen P, Steiner TJ, Taylor FR. *Methodological issues in systematic reviews of headache trials: Adapting historical diagnostic classifications and outcome measures to present-day standards.* Headache 2005;45:459-465.
24. Offenhauser N, Zinck T, Hoffmann J, Schiemann K, Schuh-Hofer S, Rohde W, Arnold G, Dirnagl U, Jansen-Olesen I, Reuter U. *CGRP release and c-fos expression within trigeminal nucleus caudalis of the rat following glyceryltrinitrate infusion.* Cephalalgia 2005;25:225-236.
25. Ogard C, Sorensen TL, Krogh E. *Increased CD40 ligand in patients with acute anterior uveitis.* Acta Ophthalmol Scand 2005;83:370-373.
26. Petersen KA, Birk S, Lassen LH, Kruuse C, Jonassen O, Lesko L, Olesen J. *The CGRP-antagonist, BIBN4096BS does not affect cerebral or systemic haemodynamics in healthy volunteers.* Cephalalgia 2005;25:139-147.
27. Petersen KA, Dyrby L, Williamson D, Edvinsson L, Olesen J. *Effect of hypotension and carbon dioxide changes in an improved genuine closed cranial window rat model.* Cephalalgia 2005;25:23-29.
28. Petersen KA, Lassen LH, Birk S, Lesko L, Olesen J. *BIBN4096BS antagonizes human alpha-calcitonin gene related peptide-induced headache and extracerebral artery dilatation.* Clinical Pharmacology & Therapeutics 2005;77:202-213.
29. Petersen KA, Nilsson E, Olesen J, Edvinsson L. *Presence and function of the calcitonin gene-related peptide receptor on rat pial arteries investigated in vitro and in vivo.* Cephalalgia 2005;25:424-432.
30. Petreinaite V, Sabers A, Hansen-Schwartz J. *Individual changes in lamotrigine plasma concentrations during pregnancy.* Epilepsy Res 2005;65:185-188.
31. Pinholt M, Frederiksen JL, Andersen PS, Christiansen M. *Apo E in multiple sclerosis and optic neuritis: the Apo E-epsilon 4 allele is associated with progression of multiple sclerosis.* Mult Scler 2005;11:511-515.
32. Ravnborg M, Blinkenberg M, Sellebjerg F, Ballegaard M, Larsen SH, Sorensen PS. *Responsiveness of the Multiple Sclerosis Impairment Scale in comparison with the Expanded Disability Status Scale.* Mult Scler 2005;11:81-84.
33. Reichmann H, Boas J, MacMahon D, Myllyla V, Hakala A, Reinikainen K. *Efficacy of combining levodopa with entacapone on quality of life and activities of daily living in patients experiencing wearing-off type fluctuations.* Acta Neurol Scand 2005;111:21-28.
34. Roed H, Frederiksen J, Langkilde A, Sorensen TL, Lauritzen M, Sellebjerg F. *Systemic T-cell activation in acute clinically isolated optic neuritis.* J Neuroimmunol 2005;162:165-172.
35. Roed HG, Langkilde A, Sellebjerg F, Lauritzen M, Bang P, Morup A, Frederiksen JL. *A double-blind, randomized trial of IV immunoglobulin treatment in acute optic neuritis.* Neurology 2005;64:804-810.
36. Sabers A. *Treatment of epilepsy--where are we now? Danish Society of Epilepsy.* Ugeskr Laeger 2005;167:1384.
37. Sellebjerg F, Barnes D, Filippini G, Midgard R, Montalban X, Rieckmann P, Selmaj K, Visser LH, Sorensen PS. *EFNS guideline on treatment of multiple sclerosis relapses: report of an EFNS task force on treatment of multiple sclerosis relapses.* Eur J Neurol 2005;12:939-946.
38. Sellebjerg F, Ross C, Koch-Henriksen N, Sorensen PS, Frederiksen JL, Bendtzen K, Sorensen TL. *CD26+CD4+T cell counts and attack risk in interferon-treated multiple sclerosis.* Mult Scler 2005;11:641-645.
39. Sorensen PS, Koch-Henriksen N, Ross C, Clemmesen KM, Bendtzen K. *Appearance and disappearance of neutralizing antibodies during interferon-beta therapy.* Neurology 2005;65:33-39.
40. Stoevring B, Jaliashvili L, Thougard AV, Ensinger C, Hogdall CK, Rasmussen LS, Sellebjerg F, Christiansen M. *Tetranectin in cerebrospinal fluid: Biochemical characterisation and evidence of intrathecal synthesis or selective uptake into CSF.* Clin Chim Acta 2005;359:65-71.
41. Tibaek S, Gard G, Jensen R. *Pelvic floor muscle training is effective in women with urinary incontinence after stroke: A randomised, controlled and blinded study.* NeuroUrol Urodyn 2005;24:348-357.
42. Tvedskov JF, Lipka K, Ashina M, Iversen HK, Schifter S, Olesen J. *No increase of calcitonin gene-related peptide in jugular blood during migraine.* Ann Neurol 2005;58:561-568.
43. Wittchen HU, Jonsson B, Olesen J. *Towards a better understanding of the size and burden and cost of brain disorders in Europe.* Eur Neuropsychopharmacol 2005;15:355-356.
44. Zeeberg P, Olesen J, Jensen R. *Efficacy of multidisciplinary treatment in a tertiary referral headache centre.* Cephalalgia 2005;25:1159-1167.

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### Videnskabelige afhandlinger

45. Petersen KA. *CGRP and CGRP-antagonism - An investigation of vascular headache pathophysiology and treatment* [Københavns Universitet. Det sundhedsvidenskabelige fakultet]. own; 2005.
46. Roed HG. *IVIG treatment and characterization of Tcell surface expression of inflammatory markers in patients with acute optic neuritis* [Københavns Universitet. Det sundhedsvidenskabelige fakultet]. FADL; 2005.
47. Tvedskov JF. *A human experimental migraine model using glyceryltrinitrate for evaluating prophylactic treatment*. FADL; 2005.

### Bøger

48. Olesen J. *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005.

### Bogkapitler m.v.

49. Ashina M. *Discussion summary, practical implementation and research*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 305-306.
50. Ashina S, Ashina M. *Headache diagnosis in systemic mastocytosis*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 242-245.
51. Bendtsen L, Jensen R. *Tension-type headache: What is new in the second edition of the international classification of headache disorders*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 101-108.
52. Jensen R. *Hovedpine*. In: Callesen T (ed.) *Den akutte patient*. 1. udgave ed. Kbh.: Munksgaard Danmark, 2005. 205-212.
53. Eriksen MK, Thomsen LL, Olesen J. *ICHD-2 applied to 362 patients*

- with migraine with aura according to ICHD-1*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 84-90.
54. Eriksen MK, Thomsen LL, Olesen J. *Migraine with aura and its borderlands*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 62-69.
55. Eriksen MK, Thomsen LL, Olesen J. *Validation of new diagnostic criteria (ICHD-2) for migraine with aura*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 91-97.
56. Jensen R. *Hovedpine*. In: Callesen T (ed.) *Den akutte patient*. 1. udgave ed. Kbh.: Munksgaard Danmark, 2005. 205-212.
57. Jensen R. *The international classification of headache disorders. 2nd edition (ICHD-2) and the 10th international classification of diseases, neurological adaption (ICD10NA) classification of headache disorders*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 12-19.
58. Jensen R, Bendtsen L. *Principles and tools: questionnaires, structured interviews, diaries and calendars*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 20-27.
59. Olesen J. *discussion summary, the secondary headaches: Part II*. In: Olesen J (ed.) *The classification and diagnosis of headache disorders*. Oxford: Oxford University Press, 2005. 250-252.

# Operations- og anæstesiologisk afd. Y

## Overordnede forskningsområder

Den aktuelle forskning på afd. Y er centreret omkring perioperativ medicin og smertebehandling:

- *Klinisk implementation af perioperative smertebehandlingsregimer.*
- *Systematiske litteraturgennemgange inden for området perioperativ medicin og smertebehandling.*
- *Kontraktforskning for industrien: Afprøvning af analgetika og antihyperalgetika i smertemodeller.*

## Videnskabelige medarbejdere

Én ph.d-studerende

Én fondslønnet projektkoordinator (sygeplejerske).

To lektorer ansat ved Københavns Universitet (heraf én ekstern lektor).

## Publikationer i 2005

1. Duedahl TH, Dirks J, Petersen KB, Rømsing J, Larsen N-E, Dahl JB. *Intravenous dextro-methorphan to human volunteers: Relationship between pharmacokinetics and anti-hyperalgesic effect.* Pain 2005; 113:360-368.
2. Hansen EH, Duedahl TH, Rømsing J, Hilsted KL, Dahl JB. *Intra-operative remifentanyl might influence pain levels in the immediate post-operative period after major abdominal surgery.* Acta Anaesthesiol Scand 2005;49:1464-70.
3. Rømsing J, Møiniche S, Mathiesen O, Dahl JB. *Reduction of opioid related adverse events using opioid sparing analgesia with cox-2 inhibitors lacks documentation. A systematic review.* Acta Anaesthesiol Scand 2005; 49:133-142.
4. Bell RF, Dahl JB, Moore A, Kalso E. *Peri-operative ketamine for acute post-operative pain: a quantitative and qualitative systematic review (Cochrane review).* Acta Anaesthesiol Scand 2005;49: 1405-28.
5. Dahl JB, Kehlet H. *Postoperative pain and its management.* I: McMahon SB, Koltzenburg M, eds. Wall and Melzack's Textbook of Pain. Elsevier: Churchill Livingstone, 2006: 635-651.
6. Cohen SL, Sprung CL, Sjøkvist P, Lippert A, et al and The Ethicus Study Group. *Communication of end of life decisions in European intensive care units.* Intensive Care Med 2005;31:1215-21.
7. Bülow HH, Lippert A, Sprung C et al. *Beslutninger om behandlingsniveau på intensive afdelinger i Europa. The Ethicus study sammenlignet med de danske delresultater.* Ugeskr Læger 2005: 167:1522-25.

# Ortopædkirurgisk afd. A

## Overordnede forskningsområder

- *Bruskforskning. Udvikling af teknikken omkring brusktransplantation i et samarbejde med Interface Biotech, Dep. Res. Glostrup.*
- *Biomekanik*

## Videnskabelige medarbejdere

Ingen.

## Publikationer i 2005

### Originale videnskabelige publikationer

1. Bernhoft IM, Steentoft A, Johansen SS, Klitgaard NA, Larsen LB, Hansen LB. *Drugs in injured drivers in Denmark.* Forensic Sci Int 2005;150:181-9.

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# Psykiatrisk Center og Tandlægeklinikken

## Overordnede forskningsområder

Skizofreni

Traumer

Selvordsforebyggelse

Psykoterapi

Demens og transkulturel psykiatri

Psykisk Sårbarhed

Mental Fitness

Antipsykotikas potentielle effekt cellulær overlevelse. In vitro undersøgelser på neurale kulturer.

## Videnskabelige medarbejdere

14 videnskabelige medarbejdere sv.t. 5,61 årsværk, herunder en ph.d.-studerende i forbindelse med igangværende projekter, der er støttet af Indenrigs- og Sundhedsministeriets Psykiatripulje.

## Publikationer i 2005

### Originale videnskabelige publikationer

1. Lublin H, Eberhard J, Levander S. *Current therapy issues and unmet clinical needs in the treatment of schizo-phrenia: a review of the new generation antipsychotics*. Int Clin Psychopharmacol 2005;20:183-98.
2. Munkner R, Haastrup S, Joergensen T, Kramp P. *Incipient offending among schizophrenia patients after first contact to the psychiatric hospital system*. Eur Psychiatry 2005;20:321-6.
3. Olsen CE, Poulsen HD, Lublin HKF. *Drug therapy of dementia in elderly patients. A review*. Nord J Psychiatry 2005;59:71-7.
4. Rosenbaum B. *Psychosis and the structure of homosexuality*. Scandinavian Psychoanalytic Review, 2005; 28: 82-9.

5. Rosenbaum B. *Phenomenology and psychoanalysis*. Scandinavian Psychoanalytic Review 2005; 28: 115-9.
6. Rosenbaum B, Valbak K, Harder S, Knudsen P, Koster A, Lajer M, et al. *The Danish National Schizophrenia Project: prospective, comparative longitudinal treatment study of first-episode psychosis*. Br J Psychiatry 2005;186:394-9.
7. Sorensen HJ, Jepsen PW, Haastrup S, Juel K. *Drug-use pattern, comorbid psychosis and mortality in people with a history of opioid addiction*. Acta Psychiatr Scand 2005;111:244-9.
8. Østergaard P, Mikkelsen O. *En kæmpe i profylaksens tjeneste fylder år*. Tandlægebladet 2005;109:898-9.

### Oversigtsartikler og ledere

9. Bunnage M. *Når hverdagen begynder at smuldre*. Videnscenter for Socialpsykiatri. Dec. 2005, 9-11.
10. Lindvig C. *Fokus på unge med nærpsykotiske oplevelser*. Social rådgiveren 2005, nr. 20/23 november.
11. Østergaard P. *Forebyggelse er en investering*. Tandplejeren 2005;30:16-7.

### Bøger eller bogkapitler

12. Lublin H. Skizofreni. In Poulsen HD, Munk-Jørgensen P, Bolwig TG (eds). *Psykiatri – en grundbog*, Munksgaard Danmark 2005, 104-42.

### Andet

13. Nordentoft M, Voldsgaard I, Jørgensen P, Lublin HKF, Balsløv KD, Bredkjær SR, Simonsen E, Vendsborg P, Lindhardt A, Sigsgaard A, Christensen TØ, Ahlstrand L, Johansen K, Christensen AM, Lorenz DJ. *NIP - Det Nationale Indikatorprojekt vedr. skizofreni. Skizofreni Standarder, Indikatorer og prognostiske faktorer*. Det Koordinerede Sekretariat, Århus Amt, 2005.

# Radiologisk afd.

## Overordnede forskningsområder

*Ultralyd af mave-Itarmkanal*

*MR af neuroområdet*

*Meurointervention*

## Videnskabelige medarbejdere

*Ingen*

## Publikationer i 2005

### *Originale videnskabelige publikationer*

1. Ashina M, Jorgensen M, Stallknecht B, Mork H, Bendtsen L, Pedersen JF, et al. *No release of in-terstitial glutamate in experimental human model of muscle pain.* Eur Pain 2005;9:337-43
2. Hoilund-Carlsen PF, Gadsboll N, Hein E, Stage P, Badsberg JH, Jensen BH. *Assessment of left ventricular systolic function by the chest x-ray: comparison with radionuclide ventriculography.* J Card Fail 2005;11:299-305.
3. Martinussen M, Fischl B, Larsson HB, Skranes J, Kulseng S, Vangberg TR, et al. *Cerebral cortex thickness in 15-year-old adolescents with low birth weight measured by an automated MRI-based method.* Brain 2005;128:2588-96.
4. Pedersen JF. *Sonographic comparison of gastric emptying of broth and water: Is there a promoting cephalic factor?* Acta Radiol 2005;46:132-4.
5. Pedersen JF, Dakhil AZ, Jensen DB, Sondergaard B, Bytzer P. *Abnormal hepatic vein Doppler waveform in patients without liver disease.* Br J Radiol 2005;78:242-4.
6. Pedersen JF, Larsen VA, Bytzer P, Madsen LG, Hamberg O. *Hepatic transit time of ultrasound contrast in biopsy characterized liver disease.* Acta Radiol 2005;46:557-60.
7. Thamsborg G, Florescu A, Oturai P, Fallentin E, Tritsarlis K, Dissing S. *Treatment of knee os-teoarthritis with pulsed electromagnetic fields: a randomized, double-blind, placebo-controlled study.* Osteoarthritis Cartilage 2005;13:575-81.
8. Ainsworth AP, Fallentin EM, Myschotzky PS. *Diagnostic imaging modalities for gallstones – where are we heading?* Ugeskr Laeger 2005;167:2615-7