

Research and scientific articles

From Steno Diabetes Center 2008



Achenbach P, Bonifacio E, Williams AJK, Ziegler AG, Gale EAM, Bingley PJ, ENDIT Group. Autoantibodies to IA-2 β improve diabetes risk assessment in high-risk relatives. *Diabetologia* 51: 488-492

Andersen G, Burgdorf KS, Sparso T, Borch-Johnsen K, Jorgensen T, Hansen T, Pedersen O. AHSB tag single nucleotide Polymorphisms associate with type 2 diabetes and dyslipidemia: Studies of metabolic traits in 7,683 white Danish subjects. *Diabetes* 2008;57(5):1427-32.

Andersen MV, Rosenberg T, la Cour M, Kiilgaard JF, Prause JU, Alsbirk PH, Borch-Johnsen K, Peto T, Carstensen B, Bird AC. Prevalence of age-related maculopathy and age-related macular degeneration among the inuit in Greenland. The Greenland Inuit Eye Study. *Ophthalmology*. 2008 Apr;115(4):700-707.

Andreasen CH, Mogensen MS, Borch-Johnsen K, Sandbaek A, Lauritzen T, Almind K, Hansen L, Jorgensen T, Pedersen O, Hansen T. Lack of association between PKLR rs3020781 and NOS1AP rs758490 and type 2 diabetes, overweight, obesity and related metabolic phenotypes in a Danish large-scale study: case-control studies and analyses of quantitative traits. *BMC Med Genet*. 2008 (Dec) 26; 9 (1): 118.

Andreasen CH, Mogensen MS, Borch-Johnsen K, Sandbaek A, Lauritzen T, Sorensen TI, Hansen L, Almind K, Jorgensen T, Pedersen O, Hansen T. Non-replication of genome-wide based associations between common variants in INSIG2 and PFKF and obesity in studies of 18,014 Danes. *PLoS ONE* 2008;3(8):e2872.

Andreasen CH, Stender-Petersen KL, Mogensen MS, Torekov SS, Wegner L, Andersen G, Nielsen AL, Albrechtsen A, Borch-Johnsen K, Rasmussen SS, Clausen JO, Sandbaek A, Lauritzen T, Hansen L, Jorgensen T, Pedersen O, Hansen T. Low physical activity accentuates the effect of the FTO rs9939609 polymorphism on body fat accumulation. *Diabetes* 2008;57(1):95-101.

Astrup AS, Tarnow L, Pietraszek L, Schalkwijk CG, Stehouwer CDA, Parving HH, Rossing P. Markers of endothelial dysfunction and inflammation in type 1 diabetic patients with or without diabetic nephropathy followed for 10 years - Association with mortality and decline of glomerular filtration rate. *Diabetes Care* 2008;31(6):1170-6.

Astrup AS, Kim WY, Tarnow L, Botnar RM, Simonsen C, Brix L, Pietraszek L, Hansen PR, Manning WJ, Parving HH. Relation of left ventricular function, mass, and volume to NT-proBNP in type 1 diabetic patients. *Diabetes Care* 2008;31(5):968-70.

Benzinou M, Creemers JWM, Choquet H, Lobbens S, Dina C, Durand E, Guerardel A, Boutin P, Jouret B, Heude B, Balkau B, Tichet J, Marre M, Potoczna N, Horber F, Le Stunff C, Czernichow S, Sandbaek A, Lauritzen T, Borch-Johnsen K, Andersen G, Kiess W, Korner A, Kovacs P, Jacobson P, Berentzen T, Kring SII, Holst C, Zimmermann E, Jess T, Hansen T, Pedersen O, Toubro S, Astrup A, Sorensen TIA. Lack of association of fatness-related FTO gene variants with energy expenditure or physical activity. *Journal of Clinical Endocrinology & Metabolism* 2008;93(7):2904-8.

Benzinou M, Creemers JWM, Choquet H, Lobbens S, Dina C, Durand E, Guerardel A, Boutin P, Jouret B, Heude B, Balkau B, Tichet J, Marre M, Potoczna N, Horber F, Le Stunff C, Czernichow S, Sandbaek A, Lauritzen T, Borch-Johnsen K, Andersen G, Kiess W, Körner A, Kovacs P, Jacobson P, Carlsson LM, Walley AJ, Jorgensen T, Hansen T, Pedersen O, Meyre D, Froguel P. Common nonsynonymous variants in PCSK1 confer risk of obesity. *Nat Genet*. 2008 (Aug); 40 (8): 943-945.

Boesgaard TW, Zilinskaite J, Vanttinen M, Laakso M, Jansson PA, Hammarstedt A, Smith U, Stefan N, Fritsche A, Haring H, Hribal M, Sesti G, Zobel DP, Pedersen O, Hansen T. The common SLC30A8 Arg325Trp variant is associated with reduced first-phase insulin release in 846 non-diabetic offspring of type 2 diabetes patients - the EUGENE2 study. *Diabetologia* 2008;51(5):816-20.

Brons C, Jensen CB, Storgaard H, Alibegovic A, Jacobsen S, Nilsson E, Astrup A, Quistorff B, Vaag A. Mitochondrial function in skeletal muscle is normal and unrelated to insulin action in young men born with low birth weight. *Journal of Clinical Endocrinology & Metabolism* 2008;93(10):3885-92.

Brorsson C, Bergholdt R, Sjogren M, Eising S, Sorensen KM, Hougaard DM, Orho-Melander M, Groop L, Pociot F. A non-synonymous variant in SLC30A8 is not associated with type 1 diabetes in the Danish population. *Mol Genet Metab* 2008;94(3):386-8.

Cardwell CR, Stene LC, Joner G, Cinek O, Svensson J, Goldacre MJ, Parslow RC, Pozzilli P, Brigis G, Stoyanov D, Urbonaite B, Sipetic S, Schober E, Ionescu-Tirgoviste C, Devoti G, de Beaufort CE, Buschard K, Patterson CC. Caesarean section is associated with an increased risk of childhood-onset type 1 diabetes mellitus: a meta-analysis of observational studies. *Diabetologia* 2008;51(5):726-35.

Carlsson LMS, Walley AJ, Jorgensen T, Hansen T, Pedersen O, Meyre D, Froguel P. Common nonsynonymous variants in PCSK1 confer risk of obesity. *Nat Genet* 2008;40(8):943-5.

Carstensen B, Simpson J, Gurrin LC. Statistical models for assessing agreement in method comparison studies with replicate measurements. *Int. J. Biostatistics*, 4(1): Article 16, 2008.

Carstensen B, Kristensen JK, Ottosen P, Borch-Johnsen K. The Danish National Diabetes Register: trends in incidence, prevalence and mortality. *Diabetologia* 2008;51(12):2187-96.

Carstensen B, Lindstrom J, Sundvall J, Borch-Johnsen K, Tuomilehto J. Measurement of blood glucose: comparison between different types of specimens. *Ann Clin Biochem* 2008;45:140-8.

Chen WM, Erdos MR, Jackson AU, Saxena R, Sanna S, Silver KD, Timpson NJ, Hansen T, Orru M, Piras MG, Bonycastle LL, Willer CJ, Lyssenko V, Shen HQ, Kuusisto J, Ebrahim S, Sestu N, Duren WL, Spada MC, Stringham HM, Scott LJ, Olla N, Swift AJ, Najjar S, Mitchell BD, Lawlor DA, Smith GD, Ben-Shlomo Y, Andersen G, Borch-Johnsen K, Jorgensen T, Saramies J, Valle TT, Buchanan TA, Shuldiner AR, Lakatta E, Bergman RN, Uda M, Tuomilehto J, Pedersen O, Cao A, Groop L, Mohlke KL, Laakso M, Schlessinger D, Collins FS, Altshuler D, Abecasis GR, Boehnke M, Scuteri A, Watanabe RM. Variations in the G6PC2/ABCB11 genomic region are associated with fasting glucose levels. *J Clin Invest* 2008;118(7):2620-8.

Christensen DL, Eis J, Hansen AW, Larsson MW, Mwaniki DL, Kilonzo B, Tetens I, Boit MK, Kaduka L, Borch-Johnsen K, Friis H. Obesity and regional fat distribution in Kenyan populations: Impact of ethnicity and urbanization. *Ann Hum Biol* 2008;35(2):232-49.

Clausen TD, Mathiesen ER, Hansen T, Pedersen O, Jensen DM, Lauenborg J, Damm P. High prevalence of type 2 diabetes and pre-diabetes in adult offspring of women with gestational diabetes mellitus or type 1 diabetes: the role of intrauterine hyperglycemia. *Diabetes Care* 2008; 31: 340-346.

Colagiuri S, Borch-Johnsen K, Wareham NJ. Back to the future--do IGT and IFG have value as clinical entities? *Diabetes Res Clin Pract.* 2008 (Aug); 81 (2): 131-133.

Colombo C, Porzio O, Liu M, Massa O, Vasta M, Salardi S, Beccaria L, Monciotti C, Toni S, Pedersen O, Hansen T, Federici L, Pesavento R, Cadario F, Federici G, Ghirri P, Arvan P, Lafusco D, Barbetti F; the Early Onset Diabetes Study Group of the Italian Society of Pediatric Endocrinology and Diabetes (SIEDP) (2008). Seven mutations in the human insulin gene linked to permanent neonatal/infancy-onset diabetes mellitus. *J Clin Invest* 118: 2148-2156

Concannon P, Onengut-Gumuscu S, Todd JA, Smyth DJ, Pociot F, Bergholdt R, Akolkar B, Erlich HA, Hillner JE, Julier C, Morahan G, Nerup J, Nierras CR, Chen WM, Rich SS. A human type 1 diabetes susceptibility locus maps to chromosome 21q22.3. *Diabetes* 2008;57(10):2858-61.

Coon JJ, Zurbig P, Dakna M, Dominicza AF, Decramer S, Fliser D, Frommberger M, Golovko I, Good DM, Herget-Rosenthal S, Jankowski J, Julian BA, Kellmann M, Kolch W, Massy Z, Novak J, Rossing K, Schanstra JP, Schiffer E, Theodorescu D, Vanholder R, Weissinger EM, Mischak H, Schmitt-Kopplin P. CE-MS analysis of the human urinary proteome for biomarker discovery and disease diagnostics. *Proteomics Clinical Applications* 2008;2(7-8):964-73.

Donath MY, Mandrup-Poulsen T. The use of interleukin-1-receptor antagonists in the treatment of diabetes mellitus. *Nature Clinical Practice Endocrinology & Metabolism* 2008;4(5):240-1.

Donath MY, Storling J, Berchtold LA, Billestrup N, Mandrup-Poulsen T. Cytokines and beta-cell biology: from concept to clinical translation. *Endocr Rev* 2008;29(3):334-50.

Ekbom P, Damm P, Feldt-Rasmussen B, Feldt-Rasmussen U, Jensen DM, Mathiesen ER. Elevated third-trimester haemoglobin A(1c) predicts preterm delivery in type 1 diabetes. *J Diabetes Complications* 2008;22(5):297-302.

Eldrup E, Toft AD. Outcomes of initiating different insulin regimens in patients with type 2 diabetes at the Steno Diabetes Center 2004-2006. *Diabetologia* 2008;51 suppl1:S403-4.

Erlich H, Valdes AM, Noble J, Carlson JA, Varney M, Concannon P, Mychalecyj JC, Todd JA, Bonella P, Fear AL, Lavant E, Louey A, Moonsamy P for the Type 1 Diabetes Genetics Consortium. HLA DR-DQ haplotypes and genotypes and type 1 diabetes risk. Analysis of the type 1 diabetes genetics consortium families. *Diabetes* 57: 1084-1092.

Faerch K, Vaag A, Holst JJ, Glumer C, Pedersen O, Borch-Johnsen K. Impaired fasting glycaemia vs impaired glucose tolerance: similar impairment of pancreatic alpha and beta cell function but differential roles of incretin hormones and insulin action. *Diabetologia* 2008;51(5):853-61.

Frederiksen CM, Hojlund K, Hansen L, Oakeley EJ, Hemmings B, Abdallah BM, Brusgaard K, Beck-Nielsen H, Gaster M. Transcriptional profiling of myotubes from patients with type 2 diabetes: no evidence for a primary defect in oxidative phosphorylation genes. *Diabetologia* 2008;51(11):2068-77.

Friedrich B, Weyrich P, Stancáková A, Wang J, Kuusisto J, Laakso M, Sesti G, Succurro E, Smith U, Hansen T, Pedersen O, Machicao F, Schäfer S, Lang F, Risler T, Ullrich S, Stefan N, Fritsche A, Häring HU. (2008) Variance of the SGK1 gene is associated with insulin secretion in different European populations: result from the TUEF, EUGENE2, and METSIM studies. *PLoS ONE* 3: e3506

Gaede P, Lund-Andersen H, Parving HH, Pedersen O. Effect of a multifactorial intervention on mortality in type 2 diabetes. *N Engl J Med* 2008;358(6):580-91.

Gaede P, Valentine WJ, Palmer AJ, Tucker DMD, Lammert M, Parving HH, Pedersen O. Cost-effectiveness of intensified versus conventional multifactorial intervention in type 2 diabetes - Results and projections from the Steno-2 study. *Diabetes Care* 2008;31(8):1510-5.

Gao W, Tuomilehto J, Jousilahti P, Lindström J, Laatikainen T, Peltonen M, Garancini MP, Calori G, Ruotolo G, Bouter LM, Dekker JM, Heine RJ, Nijpels G, Stehouwer CD, Pajak A, Kawalec E, Eliasson M, Stegmayr B, Lundberg V, Zethelius B, Wareham NJ, Unwin N, Ahmad N, Alberti KG, Hayes L, Qiao Q, Borch-Johnsen K, Balkau B; DECODE Study. Does the constellation of risk factors with and without abdominal adiposity associate with different cardiovascular mortality risk? *Int J Obes (Lond)*. 2008 (May); 32 (5): 757-762.

Gjesing AP, Andersen G, Borch-Johnsen K, Jorgensen T, Hansen T, Pedersen O. Association of the beta(3)-adrenergic receptor Trp64Arg polymorphism with common metabolic traits: Studies of 7605 middle-aged white people. *Mol Genet Metab* 2008;94(1):90-7.

Gonsorcikova L, Pruhova S, Cinek O, Ek J, Pelikanova T, Jorgensen T, Eiberg H, Pedersen O, Hansen T, Lebl J. Autosomal inheritance of diabetes in two families characterized by obesity and a novel H241Q mutation in NEUROD1. *Pediatric diabetes* 2008;9(4):367-72.

Grarup N, Andersen G, Krarup NT, Albrechtsen A, Schmitz O, Jorgensen T, Borch-Johnsen K, Hansen T, Pedersen O. Association testing of novel type 2 diabetes risk alleles in the JAZF1, CDC123/CAMK1D, TSPAN8, THADA, ADAMTS9, and NOTCH2 loci with insulin release, insulin sensitivity, and obesity in a population-based sample of 4,516 glucose-tolerant middle-aged Danes. *Diabetes* 2008;57(9):2534-40.

Grarup N, Andreasen CH, Andersen MK, Albrechtsen A, Sandbaek A, Lauritzen T, Borch-Johnsen K, Jorgensen T, Schmitz O, Hansen T, Pedersen O. The -250G > A promoter variant in hepatic lipase associates with elevated fasting serum high-density lipoprotein cholesterol modulated by interaction with physical activity in a study of 16,156 Danish subjects. *Journal of Clinical Endocrinology & Metabolism* 2008;93(6):2294-9.

Grarup N, Stender-Petersen KL, Andersson EA, Jorgensen T, Borch-Johnsen K, Sandbaek A, Lauritzen T, Schmitz O, Hansen T, Pedersen O. Association of variants in the sterol regulatory element-binding factor 1 (SREBF1) gene with type 2 diabetes, glycemia, and insulin resistance: A study of 15,734 Danish subjects. *Diabetes* 2008;57(4):1136-42.

Gudbjartsson DF, Walters GB, Thorleifsson G, Stefansson H, Halldorsson BV, Zusmanovich P, Sulem P, Thorlacius S, Gylfason A, Steinberg S, Helgadóttir A, Ingason A, Steinthorsdóttir V, Ólafsdóttir EJ, Ólafsdóttir GH, Jonsson T, Borch-Johnsen K, Hansen T, Andersen G, Jorgensen T, Pedersen O, Aben KK, Witjes JA,

Swinkels DW, den Heijer M, Franke B, Verbeek ALM, Becker DM, Yanek LR, Becker LC, Tryggvadottir L, Rafnar T, Gulcher J, Kiemenev LA, Kong A, Thorsteinsdottir U, Stefansson K. Many sequence variants affecting diversity of adult human height. *Nat Genet* 2008;40(5):609-15.

Gutierrez-Aguilar R, Froguel P, Hamid YH, Benmezroua Y, Jorgensen T, Borch-Johnsen K, Hansen T, Pedersen O, Neve B. Genetic analysis of Kruppel-like zinc finger 11 variants in 5864 Danish individuals: Potential effect on insulin resistance and modified signal transducer and activator of transcription-3 binding by promoter variant-1659G > C. *Journal of Clinical Endocrinology & Metabolism* 2008;93(8):3128-35.

Haugaard SB, Vaag A, Hoy CE, Madsbad S. Sex and muscle structural lipids in obese subjects - an impact on insulin action? *Eur J Clin Invest* 2008;38(7):494-501.

Helgadottir A, Thorleifsson G, Magnusson KP, Gretarsdottir S, Steinthorsdottir V, Manolescu A, Jones GT, Rinkel GJE, Blankensteijn JD, Ronkainen A, Jaaskelainen JE, Kyo Y, Lenk GM, Sakalihasan N, Kostulas K, Gottsater A, Flex A, Stefansson H, Hansen T, Andersen G, Weinsheimer S, Borch-Johnsen K, Jorgensen T, Shah SH, Quyyumi AA, Granger CB, Reilly MP, Austin H, Levey AI, Vaccarino V, Palsdottir E, Walters GB, Jonsdottir T, Snorraddottir S, Magnusdottir D, Gudmundsson G, Ferrell RE, Sveinbjornsdottir S, Hernesniemi J, Niemela M, Limet R, Andersen K, Sigurdsson G, Benediktsson R, Verhoeven ELG, Teijink JAW, Grobbee DE, Rader DJ, Collier DA, Pedersen O, Pola R, Hillert J, Lindblad B, Valdimarsson EM, Magnadottir HB, Wijmenga C, Tromp G, Baas AF, Ruigrok YM, van Rij AM, Kuivaniemi H, Powell JT, Matthiasson SE, Gulcher JR, Thorgeirsson G, Kong A, Thorsteinsdottir U, Stefansson K. The same sequence variant on 9p21 associates with myocardial infarction, abdominal aortic aneurysm and intracranial aneurysm. *Nat Genet* 2008;40(2):217-24.

Hendig D, Tarnow L, Kuhn J, Kleesiek K, Götting C. Identification of a xylosyltransferase II gene haplotype marker for diabetic nephropathy in type 1 diabetes. *Clin Chim Acta*. 2008 Dec;398(1-2):90-4.

Holmkvist J, Anthonsen S, Wegner L, Andersen G, Jorgensen T, Borch-Johnsen K, Sandbaek A, Lauritzen T, Pedersen O, Hansen T. Polymorphisms in AHI1 are not associated with type 2 diabetes or related phenotypes in Danes: non-replication of a genome-wide association result. *Diabetologia* 2008;51(4):609-14.

Husemoen LLN, Glumer C, Lau C, Pisinger C, Morch LS, Linneberg A. Association of obesity and insulin resistance with asthma and aeroallergen sensitization. *Allergy* 2008;63(5):575-82.

Huth C, Illig T, Herder C, Gieger C, Grallert H, Vollmert C, Rathmann W, Hamid YH, Pedersen O, Hansen T, Thorand B, Meisinger C, Doring A, Klopp N, Gohlke H, Lieb W, Hengstenberg C, Lyssenko V, Groop L, Ireland H, Stephens JW, Wernstedt Asterholm I, Jansson JO, Boeing H, Mohlig M, Stringham HM, Boehnke M, Tuomilehto J, Fernandez-Real JM, Lopez-Bermejo A, Gallart L, Vendrell J, Humphries SE, Kronenberg F, Wichmann HE, Heid IM. Joint analysis of individual participants' data from 17 studies on the association of the IL6 variant -174G >C with circulating glucose levels, interleukin-6 levels, and body mass index. *Ann Med*. 2008; Aug 27:1-21.

Ibsen H, Olsen MH, Eachtell K, Borch-Johnsen K, Lindholm LH, Mogensen CE. Reduction in albuminuria translates to reduction in cardiovascular events in hypertensive patients with left ventricular hypertrophy and diabetes. *J Nephrol*. 2008 (Jul-Aug); 21 (4): 566-569.

Jacobsen MLB, Rønn SG, Bruun C, Larsen CM, Eizirik DL, Mandrup-Poulsen T, Billestrup N. (2009) IL-1 β -induced chemokine and Fas expression are inhibited by suppressor of cytokine signalling-3 in insulin-producing cells. *Diabetologia* 52:281-288.

Jess T, Zimmermann E, Kring SII, Berentzen T, Holst C, Toubro S, Astrup A, Hansen T, Pedersen O, Sorensen TIA. Impact on weight dynamics and general growth of the common FTO rs9939609: a longitudinal Danish cohort study. *Int J Obes* 2008;32(9):1388-94.

Johannesen J, Eising S, Kohlwe S, Riis S, Beck M, Carstensen B, Bendtsen I, Nerup J. Treatment of Danish adolescent diabetic patients with CSII - a matched study to MDI. *Pediatric diabetes* 2008;9(1):23-8.

Jorgensen ME, Borch-Johnsen K, Bjerregaard P. A cross-sectional study of the association between persistent organic pollutants and glucose intolerance among Greenland Inuit. *Diabetologia* 2008;51(8):1416-22.

Jorgensen ME, Bjerregaard P, Kjaergaard JJ, Borch-Johnsen K. High prevalence of markers of coronary heart disease among Greenland Inuit. *Atherosclerosis* 2008;196(2):772-8.

Jorsal A, Tarnow L, Flyvbjerg A, Parving HH, Rossing P, Rasmussen LM. Plasma osteoprotegerin levels predict cardiovascular and all-cause mortality and deterioration of kidney function in type 1 diabetic patients with nephropathy. *Diabetologia* 2008;51(11):2100-7.

Jorsal A, Tarnow L, Frystyk J, Lajer M, Flyvbjerg A, Parving HH, Vionnet N, Rossing P. Serum adiponectin predicts all-cause mortality and end stage renal disease in patients with type I diabetes and diabetic nephropathy. *Kidney Int* 2008;74(5):649-54.

Jorsal A, Tarnow L, Lajer M, Ek J, Hansen T, Pedersen O, Parving HH. The PPAR gamma 2 Pro12Ala variant predicts ESRD and mortality in patients with type 1 diabetes and diabetic nephropathy. *Mol Genet Metab* 2008;94(3):347-51.

Joseph G, Tarnow L, Astrup AS, Hansen TK, Parving HH, Flyvbjerg A, Frystyk J. Plasma alpha-defensin is associated with cardiovascular morbidity and mortality in type 1 diabetic patients. *Journal of Clinical Endocrinology & Metabolism* 2008;93(4):1470-5.

Kapur K, Dunning T. A global survey of eating preferences, dietary habits and food beliefs - *Journal of Diabetes Nursing*, 2008. Vol. 12, No 2, 109-113.

Kapur K, Dunning T. Global nutritional recommendations: a combination of evidence and food availability? - *Practical Diabetes International and European Journal of Nursing*. 2008, Jan/Feb. Vol. 25 no.1, 19-26.

Kapur K, Kapur A, Ramachandran S, Mohan V, Aravind SR, Badgandi M, Srishyla MV. Barriers to changing dietary behavior. *The Journal of the Association of Physicians of India* 2008 Jan;56:27-32.

Kring SI, Holst C, Zimmermann E, Jess T, Berentzen T, Toubro S, Hansen T, Astrup A, Pedersen O, Sorensen T: FTO gene associated fatness in relation to body fat distribution and metabolic traits throughout a broad range of fatness. *PLoS ONE* 2008;3: e2958.

Kring SI, Larsen LH, Holst C, Trubro S, Hansen T, Astrup A, Pedersen O, Sørensen TI: Genotype-Phenotype associations in obesity dependent on definition of the obesity phenotype. *Obes facts*;2008: 1: 138-145.

Laakso M, Zilinskaite J, Hansen T, Boesgaard TW, Vanttinen M, Stancakova A, Jansson PA, Pellme F, Holst JJ, Kuulasmaa T, Hribal ML, Sesti G, Stefan N, Fritsche A, Haaring H, Pedersen O, Smith U. Insulin sensitivity, insulin release and glucagon-like peptide-1 levels in persons with impaired fasting glucose and/or impaired glucose tolerance in the EUGENE2 study. *Diabetologia* 2008;51(3):502-11.

Lajer M, Tarnow L, Jorsal A, Teerlink T, Parving HH, Rossing P. Plasma concentration of asymmetric dimethylarginine (ADMA) predicts cardiovascular morbidity and mortality in type 1 diabetic patients with diabetic nephropathy. *Diabetes Care* 2008;31(4):747-52.

Larsen K, Jensen T, Karlsmark T, Holstein PE. Incidence of bullosis diabeticorum--a controversial cause of chronic foot ulceration. *International wound journal* 2008 Oct;5(4):591-6.

Lau C, Glumer C, Toft U, Tetens I, Carstensen B, Jorgensen T, Borch-Johnsen K. Identification and reproducibility of dietary patterns in a Danish cohort: the Inter99 study. *Br J Nutr* 2008;99(5):1089-98.

Lee CM, Huxley RR, Woodward M, Zimmet P, Shaw J, Cho NH, Kim HR, Viali S, Tominaga M, Vistisen D, Borch-Johnsen K, Colagiuri S; Detect-2 Collaboration. Comparisons of metabolic syndrome definitions in four populations of the Asia-Pacific region. *Metab Syndr Relat Disord*. 2008 Spring; 6 (1): 37-46.

Lee CM, Huxley RR, Woodward M, Zimmet P, Shaw J, Cho NH, Kim HR, Viali S, Tominaga M, Vistisen D, Borch-Johnsen K, Colagiuri S. The metabolic syndrome identifies a heterogeneous group of metabolic component combinations in the Asia-Pacific region. *Diabetes Res Clin Pract* 2008;81(3):377-80.

Leth H, Andersen KK, Frystyk J, Tarnow L, Rossing P, Parving HH, Flyvbjerg A. Elevated levels of high-molecular-weight adiponectin in type 1 diabetes. *Journal of Clinical Endocrinology & Metabolism* 2008;93(8):3186-91.

Lund SS, Tarnow L, Astrup AS, Hovind P, Jacobsen PK, Alibegovic AC, Parving I, Pietraszek L, Frandsen M, Rossing P, Parving HH, Vaag AA. Effect of adjunct metformin treatment in patients with type-1 diabetes and persistent inadequate glycaemic control. A randomized study. *PLoS ONE* 2008;3(10):e3363.

Lund SS, Tarnow L, Frandsen M, Smidt UM, Pedersen O, Parving HH, Vaag AA. Impact of metformin versus the prandial insulin secretagogue, repaglinide, on fasting and postprandial glucose and lipid responses in non-obese patients with type 2 diabetes. *European Journal of Endocrinology* 2008;158(1):35-46.

Lund SS, Tarnow L, Stehouwer CDA, Schalkwijk CG, Teerlink T, Gram J, Winther K, Frandsen M, Smidt UM, Pedersen O, Parving HH, Vaag AA. Impact of metformin versus repaglinide on non-glycaemic cardiovascular risk markers related to inflammation and endothelial dysfunction in non-obese patients with type 2 diabetes. *European Journal of Endocrinology* 2008;158(5):631-41.

Lykke JA, Tarnow L, Parving HH, Hilsted J. A combined abnormality in heart rate variation and QT corrected interval is a strong predictor of cardiovascular death in type 1 diabetes. *Scandinavian Journal of Clinical & Laboratory Investigation* 2008;68(7):654-9.

Nathan DM, Kuenen J, Borg R, Zheng H, Schoenfeld D, Heine RJ. Translating the A1C assay into estimated average glucose values. *Diabetes Care* 2008;31(8):1473-8.

Nguyen TQ, Tarnow L, Jorsal A, Oliver N, Roestenberg P, Ito Y, Parving HH, Rossing P, van Nieuwenhoven FA, Goldschmeding R. Plasma connective tissue growth factor is an independent predictor of end-stage renal disease and mortality in type 1 diabetic nephropathy. *Diabetes Care*. 2008 Jun;31(6):1177-82.

Nielsen T, Burgdorf KS, Grarup N, Borch-Johnsen K, Hansen T, Jorgensen T, Pedersen O, Andersen G. The KCNMB1 Glu65Lys polymorphism associates with reduced systolic and diastolic blood pressure in the Inter99 study of 5729 Danes. *J Hypertens* 2008;26(11):2142-6.

Okin PM, Wachtell K, Devereux RB, Nieminen MS, Oikarinen L, Viitasalo M, Toivonen L, Ibsen H, Olsen MH, Borch-Johnsen K, Lindholm LH, Kjeldsen SE, Julius S, Dahlof B. Combination of the Electrocardiographic strain pattern and albuminuria for the prediction of new-onset heart failure in hypertensive patients: The LIFE study. *Am J Hypertens* 2008;21(3):273-9.

Parikh H, Nilsson E, Ling C, Poulsen P, Almgren P, Nittby H, Eriksson KF, Vaag A, Groop LC. Molecular correlates for maximal oxygen uptake and type 1 fibers. *American Journal of Physiology-Endocrinology and Metabolism* 2008;294(6):E1152-E1159.

Parnaud G, Bosco D, Berney T, Pattou F, Kerr-Conte J, Donath MY, Bruun C, Mandrup-Poulsen T, Billestrup N, Halban PA. Proliferation of sorted human and rat beta cells. *Diabetologia* 2008;51(1):91-100.

Parving HH, de Zeeuw D, Cooper ME, Remuzzi G, Liu N, Luncford J, Shahinfar S, Wong PH, Lyle PA, Rossing P, Brenner BM. ACE gene polymorphism and losartan treatment in type 2 diabetic patients with nephropathy. *J Am Soc Nephrol*. 2008 Apr;19(4):771-9. Epub 2008 Jan 16.

Parving HH, Persson F, Lewis JB, Lewis EJ, Hollenberg NK. Aliskiren combined with losartan in type 2 diabetes and nephropathy. *N Engl J Med* 2008;358(23):2433-46.

Persson F, Rossing P, Hovind P, Stehouwer CD, Schalkwijk CG, Tarnow L, Parving HH. Endothelial dysfunction and inflammation predict development of diabetic nephropathy in the Irbesartan in Patients with Type 2 Diabetes and Microalbuminuria (IRMA 2) study. *Scand J Clin Lab Invest* 2008;68(8):731-8.

Persson F, Rossing P, Schjoedt KJ, Juhl T, Tarnow L, Stehouwer CDA, Schalkwijk C, Boomsma F, Frandsen E, Parving HH. Time course of the antiproteinuric and antihypertensive effects of direct renin inhibition in type 2 diabetes. *Kidney Int* 2008;73(12):1419-25.

Pisinger C, Glumer C, Toft U, Smith LV, Aadahl M, Borch-Johnsen K, Jorgensen T. High risk strategy in smoking cessation is feasible on a population-based level. The Inter99 study. *Prev Med* 2008;46(6):579-84.

Pociot F. Simple, robust CD8+ T-cell assay to measure beta-cell autoimmunity in type 1 diabetes. (Commentary). *International Diabetes Monitor* 20:30-33.

Porksen S, Nielsen LB, Mortensen HB, Danne T, Kocova M, Castano L, Pociot F, Hougaard P, Ekstrom CT, Gammeltoft S, Knip M, Hansen L. Variation within the PPARG gene is associated with residual beta-cell function and glycemic control in children and adolescents during the first year of clinical type 1 diabetes. *Pediatric diabetes* 2008;9(4):297-302.

Rasmussen SS, Glumer C, Sandbaek A, Lauritzen T, Carstensen B, Borch-Johnsen K. Short-term reproducibility of impaired fasting glycaemia impaired glucose tolerance and diabetes The ADDITION study, DK. *Diabetes Res Clin Pract* 2008;80(1):146-52.

Rasmussen SS, Glumer C, Sandbaek A, Lauritzen T, Borch-Johnsen K. General effect on high-risk persons when general practitioners are trained in intensive treatment of type 2 diabetes. *Scand J Prim Health Care* 2008;26(3):166-73.

Rasmussen SS, Glumer C, Sandbaek A, Lauritzen T, Borch-Johnsen K. Determinants of progression from impaired fasting glucose and impaired glucose tolerance to diabetes in a high-risk screened population: 3 year follow-up in the ADDITION study, Denmark. *Diabetologia* 2008;51(2):249-57.

Reusens B, Sparre T, Kalbe L, Bouckenoghe T, Theys N, Kruhoffer M, Orntoft TF, Nerup J, Remacle C. The intrauterine metabolic environment modulates the gene expression pattern in fetal rat islets: prevention by maternal taurine supplementation. *Diabetologia* 2008;51(5):836-45.

Ribel-Madsen R, Friedrichsen M, Vaag A, Poulsen, P. Retinol-binding protein 4 in twins:regulatory mechanisms and impact of circulating and tissue expression levels on insulin secretion and action. *Diabetes* 58(1):54-60, 2008.

Ronn SG, Borjesson A, Bruun C, Heding PE, Frobose H, Mandrup-Poulsen T, Karlsen AE, Rasschaert J, Sandler S, Billestrup N. Suppressor of cytokine signalling-3 expression inhibits cytokine-mediated destruction of primary mouse and rat pancreatic islets and delays allograft rejection. *Diabetologia* 2008;51(10):1873-82.

Ronn T, Poulsen P, Hansson O, Holmkvist J, Almgren P, Nilsson P, Tuomi T, Isomaa B, Groop L, Vaag A, Ling C. Age influences DNA methylation and gene expression of COX7A1 in human skeletal muscle. *Diabetologia* 2008;51(7):1159-68.

Rossing K, Mischak H, Dakna M, Zurbig P, Novak J, Julian BA, Good DM, Coon JJ, Tarnow L, Rossing P. Urinary proteomics in diabetes and CKD. *J Am Soc Nephrol* 2008;19(7):1283-90.

Sadlir LG, Scheffer IE, Smith S, Carstensen B, Carlin J, Connolly MB, Farrell K. Factors influencing clinical features of absence seizures. *Epilepsia*. 2008 Dec;49(12):2100-7.

Sandbaek A, Griffin SJ, Rutten G, Davies M, Stolk R, Khunti K, Borch-Johnsen K, Wareham NJ, Lauritzen T. Stepwise screening for diabetes identifies people with high but modifiable coronary heart disease risk. The ADDITION study. *Diabetologia* 2008;51(7):1127-34.

Schjoedt KJ, Hansen HP, Tarnow L, Rossing P, Parving HH. Long-term prevention of diabetic nephropathy: an audit. *Diabetologia* 2008;51(6):956-61.

Schramm TK, Gislason GH, Kober L, Rasmussen S, Rasmussen JN, Abildstrom SZ, Hansen ML, Folke F, Buch P, Madsen M, Vaag A, Torp-Pedersen C. Diabetes patients requiring glucose-lowering therapy and non-diabetics with a prior myocardial infarction carry the same cardiovascular risk: A population study of 3.3 million people. *Circulation* 2008;117(15):1945-54.

Sparso T, Andersen G, Albrechtsen A, Jorgensen T, Borch-Johnsen K, Sandbaek A, Lauritzen T, Wasson J, Permutt MA, Glaser B, Madsbad S, Pedersen O, Hansen T. Impact of polymorphisms in WFS1 on prediabetic phenotypes in a population-based sample of middle-aged people with normal and abnormal glucose regulation. *Diabetologia* 2008;51(9):1646-52.

Sparso T, Andersen G, Nielsen T, Burgdorf KS, Gjesing AP, Nielsen AL, Albrechtsen A, Rasmussen SS, Jorgensen T, Borch-Johnsen K, Sandbaek A, Lauritzen T, Madsbad S, Hansen T, Pedersen O. The GCKR rs780094 polymorphism is associated with elevated fasting serum triacylglycerol, reduced fasting and OGTT-related insulinaemia, and reduced risk of type 2 diabetes. *Diabetologia* 2008;51(1):70-5.

Staiger H, Stancakova A, Zilinskaite J, Vanttinen M, Hansen T, Marini MA, Hammarstedt A, Jansson PA, Hammarstedt A, Smith U, Pedersen O, Laakso M, Stefan N, Fritsche A, Hadring HU. A candidate type 2 diabetes polymorphism near the HHEX locus affects acute glucose-stimulated insulin release in European populations - Results from the EUGENE2 study. *Diabetes* 2008;57(2):514-7.

Stancakova A, Pihlajamaki J, Kuusisto J, Stefan N, Fritsche A, Haering H, Andreozzi F, Succurro E, Sesti G, Boesgaard TW, Hansen T, Pedersen O, Jansson PA, Hammarstedt A, Smith U, Laakso M. Single-nucleotide polymorphism rs7754840 of CDKAL1 is associated with impaired insulin secretion in nondiabetic offspring of type 2 diabetic subjects and in a large sample of men with normal glucose tolerance. *Journal of Clinical Endocrinology & Metabolism* 2008;93(5):1924-30.

Tarnow L, Groop PH, Hadjadj S, Kazeem G, Cambien F, Marre M, Forsblom C, Parving HH, Tregouet D, Thevard A, Farrall M, Gut I, Gauguier D, Cox R, Matsuda F, Lathrop M, Vionnet N. European rational approach

for the genetics of diabetic complications - EURAGEDIC: patient populations and strategy. *Nephrology Dialysis Transplantation* 2008;23(1):161-8.

Toft U, Kristoffersen L, Ladelund S, Bysted A, Jakobsen J, Lau C, Jorgensen T, Borch-Johnsen K, Ovesen L. Relative validity of a food frequency questionnaire used in the Inter99 study. *Eur J Clin Nutr* 2008;62(8):1038-46.

Toft U, Kristoffersen L, Ladelund S, Ovesen L, Lau C, Borch-Johnsen K, Pisinger C, Jorgensen T. The impact of a population-based multi-factorial lifestyle intervention on changes in long-term dietary habits The Inter99 study. *Prev Med* 2008;47(4):378-83.

Toft U, Kristoffersen L, Ladelund S, Ovesen L, Lau C, Pisinger C, Smith LH, Borch-Johnsen K, Jørgensen T. The effect of adding group-based counselling to individual lifestyle counselling on changes in dietary intake. The Inter99 study - a randomized controlled trial. *Int J Behav Nutr Phys Act.* 2008 (Nov) 21; 5: 59.

Tregouet DA, Groop PH, McGinn S, Forsblom C, Hadjadj S, Marre M, Parving HH, Tarnow L, Telgmann R, Godefroy T, Nicaud V, Rousseau R, Parkkonen M, Hoverfalt A, Gut I, Heath S, Matsuda F, Cox R, Kazeem G, Farrall M, Gauguier D, Brand-Herrmann SM, Cambien F, Lathrop M, Vionnet N. G/T substitution in intron 1 of the UNC13B gene is associated with increased risk of nephropathy in patients with type 1 diabetes. *Diabetes* 2008;57(10):2843-50.

Unoki H, Takahashi A, Kawaguchi T, Hara K, Horikoshi M, Andersen G, Ng DPK, Holmkvist J, Borch-Johnsen K, Jorgensen T, Sandbaek A, Lauritzen T, Hansen T, Nurbaya S, Tsunoda T, Kubo M, Babazono T, Hirose H, Hayashi M, Iwamoto Y, Kashiwagi A, Kaku K, Kawamori R, Tai ES, Pedersen O, Kamatani N, Kadowaki T, Kikkawa R, Nakamura Y, Maeda S. SNPs in KCNQ1 are associated with susceptibility to type 2 diabetes in East Asian and European populations. *Nat Genet* 2008;40(9):1098-102.

Vielwerth SE, Jensen RB, Larsen T, Holst KK, Molgaard C, Greisen G, Vaag A. The effect of birthweight upon insulin resistance and associated cardiovascular risk factors in adolescence is not explained by fetal growth velocity in the third trimester as measured by repeated ultrasound fetometry. *Diabetologia* 2008;51(8):1483-92.

Vimaleswaran KS, Luan JA, Andersen G, Muller YL, Wheeler E, Brito EC, O'Rahilly S, Pedersen O, Baier LJ, Knowler WC, Barroso I, Wareham NJ, Loos RJF, Franks PW. The Gly482Ser genotype at the PPAR-GC1A gene and elevated blood pressure: a meta-analysis involving 13,949 individuals. *J Appl Physiol* 2008;105(4):1352-8.

Von Huth Smith L, Ladelund S, Borch-Johnsen K, Jorgensen T. A randomized multifactorial intervention study for prevention of ischaemic heart disease (Inter99): The long-term effect on physical activity. *Scandinavian journal of public health* 2008;36(4):380-8.

Wegner L, Hussain MS, Pilgaard K, Hansen T, Pedersen O, Vaag A, Poulsen P. Impact of TCF7L2 rs7903146 on insulin secretion and action in young and elderly Danish twins. *Journal of Clinical Endocrinology & Metabolism* 2008;93(10):4013-9.

Wagner AM, Cloos P, Bergholdt R, Eising S, Brorsson C, Christgau S, Nerup J, Pociot F. Posttranslational protein modifications in type 1 diabetes-genetic studies of PCMT1, encoding the repair enzyme protein isoaspartate methyltransferase (PIMT). *Rev Diabetic Studies* 5: 210-216.

Zaitseva II, Storling J, Mandrup-Poulsen T, Berggren PO, Zaitsev SV. The imidazoline RX871024 induces death of proliferating insulin-secreting cells by activation of c-jun N-terminal kinase. *Cell Mol Life Sci* 2008;65(7-8):1248-55.

Zeggini E, Scott LJ, Saxena R, Voight BF, Marchini JL, Hu T, de Bakker PIW, Abecasis GR, Almgren P, Andersen G, Ardlie K, Bostrom KB, Bergman RN, Bonnycastle LL, Borch-Johnsen K, Burtt NP, Chen H, Chines PS, Daly MJ, Deodhar P, Ding CJ, Doney ASF, Duren WL, Elliott KS, Erdos MR, Frayling TM, Freathy RM, Gianiny L, Grallert H, Grarup N, Groves CJ, Guiducci C, Hansen T, Herder C, Hitman GA, Hughes TE, Isomaa B, Jackson AU, Jorgensen T, Kong A, Kubalanza K, Kuruvilla FG, Kuusisto J, Langenberg C, Lango H, Lauritzen T, Li Y, Lindgren CM, Lyssenko V, Marville AF, Meisinger C, Midthjell K, Mohlke KL, Morken MA, Morris AD, Narisu N, Nilsson P, Owen KR, Palmer CNA, Payne F, Perry JRB, Pettersen E, Platou C, Prokopenko I, Qi L, Qin L, Rayner NW, Rees M, Roix JJ, Sandbaek A, Shields B, Sjogren M, Steinthorsdottir V, Stringham HM, Swift AJ, Thorleifsson G, Thorsteinsdottir U, Timpson NJ, Tuomi T, Tuomilehto J, Walker M, Watanabe RM, Weedon MN, Willer CJ, Illig T, Hveem K, Hu FB, Laakso M, Stefansson K, Pedersen O, Wareham NJ, Barroso I, Hattersley AT, Collins FS, Groop L, McCarthy MI, Boehnke M, Altshuler D. Meta-analysis of genome-wide

association data and large-scale replication identifies additional susceptibility loci for type 2 diabetes. *Nat Genet* 2008;40(5):638-45.

Zhang L, Qiao Q, Tuomilehto J, Hammar N, Alberti KG, Eliasson M, Heine RJ, Stehouwer CD, Ruotolo G; DECODE Study Group. Blood lipid levels in relation to glucose status in European men and women without a prior history of diabetes: the DECODE Study. *Diabetes Res Clin Pract*. 2008 (Dec); 82 (3): 364-377.

Review articles, textbooks etc

Astrup AS. Dipping in type II diabetes: autonomic and diuretics - Reply. *J Hypertens* 2008;26(4):826-7.

Bakker SJ, Alkhalaf A, Tarnow L, Navis G. Re: Exclusion of polymorphisms in carnosinase genes (CNDP1 and CNDP2) as a cause of diabetic nephropathy in type 1 diabetes: results of large case-control and follow-up studies. *Diabetes*. 2008 Dec;57(12):e16; author reply e17.

Billestrup N, Otonkoski T. Dedifferentiation for replication of human beta-cells - A division between mice and men? *Diabetes* 2008;57(6):1457-8.

Bingley PJ, Makon JL, Gale E, Schober E, Gorus FK, Dupre J, Mahon JL, Profozic V, Reimers JJ, Mandrup-Poulsen T, Knip M, Levy-Marchal C, Jaeger C, Bartsocas C, Vazeou A, Györko M, Soltesz G, Madacsy L, Pastore MR, Pozzilli P, Dahl-Jorgensen K, Jøner G, Kinalska I, Mrozikiewicz, Vaykhonsky Y, Leiva Ad, Martinez-Larrad MT, Mauricio D, Serrano-Rios M, Ludvigsson J, Schoenle EJ, Yilmaz MT, Carson DJ, Tennet H, Robertson K, Riley WJ. Insulin resistance and progression to type 1 diabetes in the european nicotinamide diabetes intervention trial (ENDIT). *Diabetes Care* 31:146-50

Carstensen B. Limits of agreement: How to use the regression of differences on averages. Technical Report 08.6, Department of Biostatistics, University of Copenhagen, http://www.pubhealth.ku.dk/bs/publikationer/Research_report_08-6.pdf, 2008.

Fourth Joint Task Force of the European Society of Cardiology and Other Societies on Cardiovascular Disease Prevention in Clinical Practice (Constituted by representatives of nine societies and by invited experts). Authors/Task Force Members, Graham I, Atar D, Borch-Johnsen K et al. European guidelines on cardiovascular disease prevention in clinical practice: executive summary: *Eur J Cardiovasc Prev Rehabil*. 2007 Vol. 14 Suppl 2, S1-113.

Gaede P, Parving HH, Pedersen O. Multifactorial intervention and mortality in type 2 diabetes - Reply. *N Engl J Med* 2008;358(21):2292-3.

Gaede P, Pedersen O. Rosiglitazone monotherapy for type 2 diabetes mellitus - too soon to ADOPT? Commentary. *Nature Clinical Practice Endocrinology & Metabolism* 2007;3(6):456-7.

Greenbaum CJ, Mandrup-Poulsen T, Battelino T, McGee PF, Haastert B, Ludvigsson J, Pozzilli P, Lachin JM, Kolb H. Randomized Comparisons of the Mixed Meal Tolerance Test versus the Glucagon Stimulation Test for the Assessment of Beta Cell Function in Type 1 Diabetes. *Diabetes Care* 31 1966-1971

Hansen T, Pedersen OB. Genetikken ved ikkeautoimmun diabetes. *Dansk Endokrinologisk Selskab. Ugeskrift for læger* 2008 Mar 17;170(12):1021.

Hansen T. Individualiseret behandling på basis af ny viden om genetikken ved ikke-autoimmun diabetes. *Behandlerbladet* 2007;25: 6-11.

Jorgensen ME, Christensen DL. Ethnicity and obesity: why are some people more vulnerable? *Int Diab Mon* 20, 202-209, 2008

Larsen CM, Mandrup-Poulsen T. Behandling af diabetes mellitus med biologiske lægemidler. *Ugeskr Laeger* 2008 Jun 9;170(24):2134-7.

Lauritzen T, Borch-Johnsen K, Sandbaek A. Is prevention of Type-2- diabetes feasible and efficient in primary care? A systematic PubMed review. *Primary Care Diabetes* 2007 (Feb); 1 (1): 5-11.

Mandrup-Poulsen TR. Glutaminsyre-decarboxylase-antistoffer og diabetes. *Ugeskrift for læger* 2007 Jan 22;169(4):300-4.

McGuire JN, Overgaard J, Pociot F. Mass spectrometry is only one piece of the puzzle in clinical proteomics. Briefings in functional genomics & proteomics 2008 Jan;7(1):74-83.

Nerup J, Pociot F. Onset of type 1 diabetes: A dynamic instability. Mathematic modelling of type 1 diabetes pathogenesis - where did it take us? Commentaries on Perspectives in Diabetes 3 (1998–2002): 165-166, 2007

Poulsen P, Esteller M, Vaag A, Fraga MF. The epigenetic basis of twin discordance in age-related diseases. *Pediatr Res* 2007;61(5):38R-42R.

Ronn SG, Billestrup N, Mandrup-Poulsen T. Diabetes and suppressors of cytokine signaling proteins. *Diabetes* 2007;56(2):541-8.

Rossing K. Progression and remission of nephropathy in type 2 diabetes: new strategies of treatment and monitoring. *Dan Med Bull* 2007;54(2):79-98.

Rossing K, Mischak H, Rossing P, Schanstra JP, Wiseman A, Maahs DM. The urinary proteome in diabetes and diabetes-associated complications: New ways to assess disease progression and evaluate therapy. *Proteomics Clinical Applications* 2008;2(7-8):997-1007.

Rossing P. Is renal Na⁺,K⁺-ATPase a new target for renin-angiotensin blocking agents in diabetic nephropathy? *The Journal of physiology* 2008 Nov 15;586(Pt 22):5283.

Rytter L, Borch-Johnsen K, Qvist P. Multifactorial organization of diabetic care. *Ugeskr Laeger*. 2008 (May) 19; 170 (21): 1803.

Sonne FP, Scheede-Bergdahl C, Olsen DB, Hojbjerg R, Alibegovic A, Nielsen NB, Stallknech B, Helge JW, Vaag A, Dela F. Effects of physical training on endothelial function and limb blood flow in type 2 diabetes. *Applied Physiology Nutrition and Metabolism-Physiologie Appliquee Nutrition et Metabolisme* 2007;32(5):936-41.

Vaag A. To be predisposed to insulin resistance and type 2 diabetes. *Journal of Physiology-London* 2008;586(10):2421.

Vaag A, Lund SS. Non-obese patients with type 2 diabetes and prediabetic subjects: distinct phenotypes requiring special diabetes treatment and (or) prevention? *Applied Physiology Nutrition and Metabolism-Physiologie Appliquee Nutrition et Metabolisme* 2007;32(5):912-20.

Vaag A, Poulsen P. Periconceptional nutrition, twinning and how this impacts on current understanding of the aetiology and pathophysiology of the metabolic syndrome. *Journal of Physiology-London* 2008;586(5):1203-4.

Vaag A, Poulsen P. Twins in metabolic and diabetes research: what do they tell us? *Current opinion in clinical nutrition and metabolic care* 2007 Sep;10(5):591-6.

PhD theses

Blaabjerg L. Cytokine signalling pathways in beta-cell apoptosis and effects of histone deacetylase inhibition.

Christensen DL. Glucose intolerance in to body composition, physical activity and other predictors among the Luo, Kamba and Maasai of Kenya. Københavns Universitet.

Eising S. Type 1 diabetes prediction at birth – is it possible? Københavns Universitet.

Grunnet LG. The Bcl-2 family of proteins in cytokine- and endoplasmic reticulum stress-induced β -cell apoptosis.

Rasmussen SSS. Progression from IFG and IGT to diabetes in a high-risk screened Danish population – prediction and prevention. The ADDITION Study. Københavns Universitet.

Rose CS. Genetic aspects of type 2 diabetes in relation to pancreatic β -cell dysfunction and related quantitative traits. Københavns Universitet.

Stender-Petersen KL. Aspects of the molecular pathogenesis of obesity, type 2 diabetes, and insulin resistance. Aarhus Universitet.

Taarnhoej NCBB. Heritability of Retinal Vascular Morphology in a Danish Twin Population. Københavns Universitet.

Toft UN. Improving dietary habits in a general adult population. Intervention effect and mediators of participation. The Inter99 study. Københavns Universitet.

Zobel DP. Studies of genetic risk factor in the pathogenesis of obesity and type 2 diabetes. Det Sundhedsvidenskabelige Fakultet, Københavns Universitet.

Doctoral theses (Doctor of Medical Science, DMSc)

Rossing K. Progression and remission of nephropathy in type 2-diabetes. Disputats. [Københavns Universitet. Det Sundhedsvidenskabelige Fakultet] 2007.

Master's Degree Dissertations

Andersson EA. Genetic epidemiological studies of variants in HHEX/LIF1 1/IDE, CDKN2A/B, IGFBP2, SREBF1 and mutation screening of INS.

Anthonsen S. Studies of genetic variants in AHI1, UCP2, and LMNA in relation to type 2 diabetes and obesity.

Berchtold LA. IL-1 antagonism and skeletal muscle gene expression in type 2 diabetes mellitus.

Frederichsen M. Low-grade inflammation in skeletal muscle.

Hansen ALS. Sammenligning af en subjektiv og en objektiv metode til estimering af fysisk aktivitet, i udvalgte kenyanske befolkningsgrupper. Københavns Universitet.

Hansen HG. Discovery of candidate peptide biomarkers for diabetic nephropathy.

Larsen C. 24 hour metabolic profile of young men born with a low birth weight.

Larsen S. Implementering af fysisk aktivitet i behandlingen af type 2 diabetikere.

Mogensen MS. Genetic aspects of Obesity and Non-Autoimmune Diabetes – Studies of Genetic Variation in INSIG2, FTO, PFKF, and PTF1A.

Mortensen B. Regulatory mechanisms of AMP-activated protein kinase gene expression and protein level in young and old twins.

Ribel-Madsen R. The role of RBP4 in insulin resistance.

Rolin B. Incidence of ischemic heart disease in diabetic subjects compared with healthy subjects during the period 1995 to 2005 in Denmark. Københavns Universitet.

Schick M. Sammenligning af en subjektiv og en objektiv metode til estimering af fysisk aktivitet, i udvalgte kenyanske befolkningsgrupper. Københavns Universitet.

Sorensen SM. Implementering af fysisk aktivitet i behandlingen af type 2 diabetikere.

Ziegler JH. 24 hour metabolic profile of young men born with a low birth weight.



Scientific publications 2008