

27th International Symposium on Diabetes and Nutrition

Potsdam, Germany, 25th - 28th of June 2009

Diabetes and Nutrition Study Group (DNSG) of the European Association for the Study of Diabetes (EASD)

Thursday, June 25th

Registration and Lunch

Opening: Chairman Andreas F. H. Pfeiffer

Session I: Lifestyle treatment of type 2 diabetes

Lecture	<u>Stefan Anker</u> , <i>Germany</i>	Weight loss – good for diabetes bad for life span? Who profits from weight loss?
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Discussion

	<u>C.Dimosthenopoulos</u> , et al., <i>Greece</i>	Nutritional results of a community lifestyle program to prevent type 2 diabetes in greece. The Deplan Study
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	<u>U.Julius</u> , A.Boehme, <i>Germany</i>	Adherence to recommended diet in patients treated with LDL apheresis
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	<u>C.De Natale</u> , A.A. Rivellese (on behalf of EDUCANDIA Project) <i>Italy</i>	Implementation of Nutritional Recommendations in type 2 diabetic patients: efficacy of an intensive dietary education program
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Coffee Break

Session II: Effects of protein on metabolism

Lecture	Hans Hauner, <i>Germany</i>	The role of protein in diabetes nutrition
	L.S.Mortensen, et al., <i>Denmark</i>	Differential effects of protein quality on postprandial lipemia in response to a fat-rich meal in type 2 diabetes: comparison of whey, casein, gluten and cod protein
	L.Brader, et al., <i>Denmark</i>	Acute effects of casein on postprandial lipemia and incretin responses in type 2 diabetic subjects

Discussion Recommendations for protein intake in type 2 diabetes

POSTER	C.Yi-Wen, K.Ming-Chein, <u>H.Ching-Hsia</u> , <i>Taiwan</i>	Cardiopulmonary alterations in fructose-fed diabetic rats during endotoxemia
POSTER	<u>C.Yu-Wen</u> , H.Pei-Ling, H.Ching-Hsia, <i>Taiwan</i>	Exercise training reduced peripheral neuropathy symptoms with heat shock protein 72 overexpression in streptozotocin-induced diabetic rats
POSTER	B.Thorand, A.Doering, <u>A.Zierer</u> , O.Lang, W.Koenig, <i>Germany</i>	Associations between nutrient intake and concentrations of C-reactive protein in serum-results from the MONICA/KORA Augsburg studies
POSTER	<u>V.A.Serhiyenko</u> , A.A.Serhiyenko, L.M.Serhiyenko, V.B.Sehin, <i>Ukraine</i>	Effects of co-administered w-3 polyunsaturated fatty acids and simvastatin on the metabolic and functional disturbances in type 2 diabetic patients with cardiomyopathy
POSTER	<u>Y.B.Lombardo</u> , D.Selenscig, M.E.Oliva, M.E.D'Alessandro, A.Chicco, <i>Argentina</i>	Soy protein improves visceral adiposity and insulin sensitivity in dyslipemic rats fed a sucrose rich diet

Welcome BBQ-Dinner at the hotel garden

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Friday, June 26th

Session III: Fiber types and Glycemic Index

Lecture	Natalie Delzenne, <i>Belgium</i>	Pro soluble fiber
	M.O. Weickert, <i>England</i>	Pro insoluble fiber
	T.MS Wolever, J. Fernandes, <i>Canada</i>	Serum acetate and acetate clearance in normal and hyperinsulinaemic subjects
	S.W.Rizkalla, et al., <i>France</i>	Does dietary fibre content influence the glycaemic index and the acceptability of French Bread?
	V.Vuksan, et al., <i>Canada</i>	Reduction of the glycemic index by the novel viscous polysaccharide, PGX [®] , when added or incorporated into commonly consumed foods
	M.B.Bacos, M.Björklund-Helgesson, <i>Denmark</i>	The effect of a diet with low Glycaemic Index on HbA1c and blood lipids in patients with type 1 diabetes. A randomized, controlled intervention study

Coffee Break

<u>C.W.C.Kendall</u> , et al., <i>Canada</i>	Effect of nuts on glycemic control and coronary heart disease risk factors in type 2 diabetes.
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A. Kohl et al., <i>Germany</i>	Effects of 5 different diets varying in protein and GI on different cardiovascular risk factors within the Diet, Obesity and Genes study (DiOGenes)
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Session IV: Genes and nutrition

Lecture	Achim Kramer, <i>Germany</i>	Circadian clocks and metabolism
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D.Kuhlow, <i>Germany</i>	Opposing effects of dietary sugar and fat on cardiovascular risk factors and glucose metabolism in mitochondrially impaired mice
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<u>A.Aßmann</u> , et al., <i>Germany+USA</i>	Insulin signaling regulates proinsulin processing and ER stress in pancreatic β -cells
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Lunch

Session V: Dietary Strategies

Lecture	Volker Schusdziarra, <i>Germany</i>	Dietary recommendations for T2DM: Better strategies for practical use
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Lecture	Mette Axelson, <i>Sweden</i>	Dietary recommendations for T1DM
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Discussion

<u>J.L.Sievenpiper</u> , et al., <i>Canada</i>	Conditional total-cholesterol lowering effects of fructose in type 2 diabetes: meta-analyses and meta-regression models of experimental clinical trials
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Coffee break

Session VI: Fat / Fatty Liver

Lecture	Ulf Riserus, <i>Sweden</i>	Fat: how much of which fat - fatty acid type and insulin resistance
Discussion		...on update - dietary recommendations on fat
	<u>H.Kahleová</u> , et al., <i>Czech Republic</i>	Does a low-fat vegetarian diet improve insulin resistance and β -cell function in individuals with type 2 diabetes?
	<u>H.Petersson</u> , et al., <i>Sweden</i>	Effects of dietary fat modification on oxidative stress and inflammatory markers in the lipgene study
	<u>Y.B.Lombardo</u> , et al., <i>Argentina</i>	Nuclear receptors and lipogenic enzyme response to a dislipemic sucrose rich diet and its reversion by n-3-polyunsaturated fatty acids

Potsdam-Event at the historical Bornstedt Crown Estate

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Saturday, June 27th

Session VII: Gut neuroendocrinology and T2DM

Lecture

Geltrude Mingrone
Italy

Gastric bypass - which nutritional and neuroendocrine mechanisms lead to rapid cure of T2DM ?

Lecture

Victor Gault, *England*

GIP: a good or a bad guy in T2DM

N. Rudovich, *Germany*

Acarbose: acting on a gut-heart axis ?

M. Osterhoff,

Ö. Gögebakan et al.,
Germany

GIP action on transcript levels in human adipose tissue in vivo

Coffee Break

Session VIII: Micronutrients / novel food

Lecture

Kjeld Herrmansen
Denmark

Stevoside: New sweetener and potential antidiabetic drug

Lecture

Dietrich Knorr, *Germany*

Food technology

L. Franzinin et al., *Italy*

Acute effect of oral administration of dietary products enriched in antioxidants on post-prandial endothelial function in apparently healthy adults

E.O. Omotayo, et al.,
Malaysia Antihyperglycemic and antioxidant effects of three doses of malaysian tualang honey in strepzoctocin-induced diabetic rats

P.B.Jeppesen, et al.,
Denmark Isosteviol as novel oral anti-diabetic agent for treatment of type 2 diabetes and the metabolic syndrome - a in vivo study on diabetic KKAY-mice

R. Schueler, *Germany* Micronutrient PPAR γ agonists from plants with new activity spectra

LUNCH

Session IX: Genes and nutrition

Joachim Spranger,
Germany Genetically modified plants...

M. Uusitupa, on behalf
of the DPS study group,
Finland Risk of diabetes is related to the family history of diabetes in the Finnish Diabetes Prevention Study

T. Lappalainen, on
behalf of the DPS study
group, *Finland* Association studies of the common variant in the FTO gene - the Finnish Diabetes Prevention study

A.Thanopoulou, et al.,
Greece Cancer co-morbidity in greek subjects with type 2 diabetes mellitus

General assembly/Closing remarks

Berlin-Event at Berlin's Hackesche Höfe (Hof means courtyard)