20. in 21.5.2011: European Diabetic Nephropathy Study Group at EASD, 24th Annual General Meeting

Kotizacije ni, prosimo le, da prijavite svojo udeležbo gospe Eriki Bokal do 15.5.2011 na mail: erika.bokal@cityhotel.si.

**Friday May 20**

08.00 - 08.45 OPENING CEREMONY

Per-Henrik Groop, president of EDNSG

Jelka Zaletel, local organiser, Slovenia

Alojz Rudolf, IDF Europe

Vesna-Kerstic Petrich, Ministry of Health, Republic of Slovenia

08.45 - 09.30 THE RUTH ÖSTERBY LECTURE:

*title: The long and winding road from the normal kidney to diabetic nephropathy... and back.*

Lecturer Paola Fioretto

Chairman: Per-Henrik Groop (Helsinki, FI)

**SESSION 1 – Clinical Studies**

Chairmen:

P Maxwell (Belfast, United Kingdom) To Be Confirmed TBC

Georges Jerums (Heidelberg, AUS) TBC

09.30 - 09.45

**Systolic blood pressure is not the main determinant of development of microalbuminuria in normotensive type 1 diabetes – further analysis of the DIRECT Study.**

R Bilous, N Chaturvedi, R Klein, T Orchard, T Fuller, M Porta, H-H Parving on behalf of the DIRECT Study Investigators.

09.45 - 10.00

**Initial albuminuria response to Angiotensin Receptor Blockade is a determinant of renal protection in patients with type 2 diabetes and microalbuminuria in the IRMA-2 trial.**
Effects of valsartan on serum levels of osteoprotegerin and receptor activator of nuclear factor-κB ligand in type-2 diabetic patients with systolic hypertension and microalbuminuria: a post-hoc analysis of the MARVAL II study.


10.15 - 10.30

Pentoxifylline as renoprotective therapy for diabetic nephropathy. The PREDIAN study.


10.30 – 10.45 DISCUSSION

10.45 – 11.15 COFFEE BREAK

SESSION 2 – Experimental studies I

Chairmen:
G Pugliese (Rome, IT) TBC
Luigi Gnudi (London, UK) TBC

11.15 - 11.30

Characterisation of the interaction between diabetes and hypertension to promote diabetic nephropathy in a novel rodent model

B.Conway, J.Rennie, M.Bailey, D.Dunbar, C.Bellamy, T.Johnson, J.Hughes, Mullins - Edinburgh, Sheffield UK

11.30 - 11.45

ACE2 mediates hyperfiltration associated with experimental diabetes

Mark Cooper, Merlin Thomas, Chris Tikellis - Melbourne, Australia

11.45 - 12.00

Inducible overexpression of angiopoietin-1 in the glomeruli of diabetic adult transgenic mice ameliorates albuminuria.

Cecile Dessapt-Baradez, Kathryn E White, Anthea Hayward, Adrian S Woolf, David A Long, Luigi Gnudi - London, UK; Newcastle upon Tyne, UK; Manchester, UK; London, UK

12.00 – 12.15
Glyoxalase-I overexpression attenuates early renal impairment in diabetic rats

Olaf Brouwers\textsuperscript{a}, Petra M.G. Niessen\textsuperscript{a}, Toshio Miyata\textsuperscript{b}, J. Østergaard\textsuperscript{c} A. Flyvbjerg\textsuperscript{c}, M. Brownlee\textsuperscript{c}, Coen D.A. Stehouwer\textsuperscript{a}, Casper G. Schalkwijk\textsuperscript{a-c} Maastricht, the Netherlands.\textsuperscript{b}Sendai, Japan.\textsuperscript{a}Aarhus, Denmark, \textsuperscript{d}New York, NY, USA.

12.15 – 12.30

Deletion of the mitochondrial flavoprotein apoptosis inducing factor (AIF) accelerates the progression of diabetic nephropathy

Coughlan MT\textsuperscript{1}, Nguyen TV\textsuperscript{1}, Van Bergen N\textsuperscript{2}, Penfold SA\textsuperscript{1}, Henstridge D\textsuperscript{3}, Febbria MA\textsuperscript{3}, Trounce IA\textsuperscript{2}, Cooper ME\textsuperscript{1}, Forbes JM\textsuperscript{1}. – Melbourne, Australia.

12.30 - 12.45 DISCUSSION

12.45 - 14.00 LUNCH

14.00 – 14.45 LECTURE:

Title: Glucose variability and chronic complications.

Lecturer: Nataša Bratina, MD, PhD

Chairman: Jelka Zaletel (Ljubljana, Slovenia)

SESSION 3 – Clinical Observations

Chairmen:

Peter Rossing (Gentofte, DK) TBC

R Bilous (Middlesborough, UK) TBC

14.45 – 15.00

Dietary sodium intake, ESRD and mortality in patients with type 1 diabetes

AJ Ahola\textsuperscript{1,2}, MC Thomas\textsuperscript{3}, J Moran\textsuperscript{4}, C Forsblom\textsuperscript{1,2}, V Harjutsalo\textsuperscript{1,2}, L Thorn\textsuperscript{1,2}, J Wadén\textsuperscript{1,2}, N Tolonen\textsuperscript{1,2}, M Sarahemo\textsuperscript{1,2}, D Cordin\textsuperscript{1,2}, PH Groop\textsuperscript{1,2,3}, on behalf of the FinnDiane Study Group.\textsuperscript{1,2} Helsinki, Finland \textsuperscript{3} Melbourne, Victoria, Australia \textsuperscript{4} Adelaide, Australia

15.00 – 15.15

Cystatin C predicts end-stage renal disease in patients with macroalbuminuria and type 2 diabetes better than serum creatinine or iothalamate GFR

Meda E Pavkov\textsuperscript{1}, William C Knowler\textsuperscript{1}, Robert G Nelson\textsuperscript{1}. - \textsuperscript{1}Atlanta, GA; \textsuperscript{1}Phoenix, AZ, USA

15.15 – 15.30

Increased VLDL triglycerides and decreased large HDL cholesterol are predictive of kidney disease and mortality in type 1 diabetes
Sex differences in the long-term risk of microvascular complications according to age at onset of type 1 diabetes

Valma Harjutsalo,1,2,3 *Christine Maric,4,5 Carol Forsblom,1,2 Lena Thorn1,2, Johan Wadén1,2, Per-Henrik Groop1,2,6 on behalf of the FinnDianeStudy Group - 1,2 Oulu, Finland; 3 Kuopio, Finland; 4,5 Helsinki, Finland

15.30 – 15.45

DISCUSSION

15.45 – 16.00 COFFEE BREAK

SESSION 4 – Mechanisms

Chairmen:

M Cooper (Melbourne, AUS) TBC
G Gruden (Turin, IT) TBC

16.30 – 16.45

A circulating factor in patients with diabetic nephropathy causes podocyte insulin resistance, cytoskeleton remodeling and susceptibility to apoptosis.

Robier Aguillon-Prada1, Markku Lehto2, Johanna Guzman1, Mariann Lassenius2, Per-Henrik Groop3, Sandra Merscher-Gomez1, Alessia Fornoni1 – Miami, FL, USA 2 Helsinki, Finland.

16.45 – 17.00

MicroRNA 29 plays a central role in the regulation of collagen expression in diabetic nephropathy

Bo Wang1, Rosemarie Carew1, Radko Komers3, Catherine Winbanks2, Karin Jandeliet-Dahm1, Mark E Cooper1, Phillip Kantharidis1 – 1, 2 Melbourne, Australia, 3 Portland, OR, USA

17.00 – 17.15

Endotoxemia is associated with components of the metabolic syndrome in patients with diabetic nephropathy

Mariann Lassenius1,2, Kati Kaartinen2,3, Carol Forsblom1,2, Per-Henrik Groop1,2, Markku Lehto1,2 on behalf of the FinnDiane Study - 1,2 Helsinki, Finland; 3 Tampere, Finland.

17.15 – 17.30

Predictive role of un-/methylated arginine balance (L-arginine/ADMA ratio) in the progression of diabetic nephropathy
Global DNA Hypomethylation Is Associated With The Pathogenesis Of Diabetic Nephropathy In Patients With Type 1 Diabetes

Jones D., Shaw N., Demaine A. - Plymouth, UK

Assessment of Wnt signalling genes in diabetic nephropathy

Gareth McKay¹, David Kavanagh¹, David. Savage², Chris Patterson³, Amy Jayne McKnight¹, Brian Rooney⁴, Andrew Gaffney⁴, Catherine Godson¹, John Crean⁴, Peter Maxwell¹, and the Warren 3/UK GoKinD Study Group – ¹, 2, 3 Belfast, United Kingdom; 4 Dublin, Ireland

Uromodulin promoter polymorphism is associated with better kidney function and reduced risk of type 2 diabetic nephropathy

Tarunveer Singh Ahluwalia¹, Eero Lindholm¹, Leif Groop³, Olle Melander² - ¹Lund, ²Malmo, Sweden.

Impact of natriuretic peptide clearance receptor (NPR3) gene variants on blood pressure in type 2 diabetes.

Pierre-Jean Saulnier¹, Ronan Roussel₁, Jean Michel Halimi³, Jeremie Lebrec⁴, Dured Dardari⁵, Sulyia Maimaitiming², Gérard Guilloteau⁶, Xavier Prunard¹, Richard Marechaud⁴, Stephanie Ragot¹, Michel Marre², Samy Hadjadj³, for the SURDIAGENE, DIAB2NEPHROGENE & DIABHYCAR study groups. - ¹ Poitiers, ² Paris, ³ Tours, ⁴ Brest, ⁵ Corbeil Essonnes, ⁶ Angers, (all in France).
SNP in GWAS hotspot on chromosome 9p21 confers susceptibility to diabetic nephropathy in type 1 diabetes

Emma Fagerholm¹,², Emma Ahlqvist³, Carol Forsblom¹,², Niina Sandholm¹,², Anna Tiitu¹,², Maikki Parkkonen¹,², Lise Tarnow⁴, Amy Jayne McKnight⁵, Hans-Henrik Parving⁴, A. Peter Maxwell⁶, Leif Groop³, Per-Henrik Groop¹,² for the FinnDiane Study Group -¹,² Helsinki, Finland;³ Malmö, Sweden;⁴ Gentofte, Denmark;⁵ Belfast, Northern Ireland

Association testing of previously reported genetic variants in a large case-control meta-analysis of diabetic nephropathy


Genome-wide association analysis reveals genetic loci associated with urinary albumin excretion rate in type I diabetes

Niina Sandholm¹,²,³, Ville-Petteri Mäkinen¹,²,³, Carol Forsblom¹,², Valma Harjutsalo¹,²,⁴, Emma Fagerholm¹,², Anna Tiitu¹,², Jenny Söderlund¹,², Maikki Parkkonen¹,², Lena Thorn¹,², Johan Wadén¹,², Markku Saraheimo¹,², Anne-May Österholm⁵, Bing He⁵, Karl Tryggvason⁵, Per-Henrik Groop¹,² on behalf of the FinnDiane Study Group -¹,²,⁴ Helsinki, Finland;³ Espoo, Finland;⁵ Stockholm, Sweden

Renal biopsy findings in normoalbuminuric and albuminuric patients with type 2 diabetes

Author Leif Groop (Malmö, Sweden)

Chairman: Sally Marshall (Newcastle upon Tyne, United Kingdom) TBC

SESSION 6 – Structure

Chairmen:
P Fioretta (Padova, IT) TBC
M Mauer (Minneapolis, MI, USA) TBC


diabetes and impaired renal function

G. Jerums¹, A Skene², S Dayan², D Power³, E Ekinci¹, S. Panagiotopoulos¹, K McNeil¹, S Clarke³, V. Levidiotis³, S Baker¹, P Fioretto⁴, R MacIsaac¹

¹, ², ³ Heidelberg, Australia, ⁴Padova, Italy

12.15 – 12.30

Glomerular structure predicts diabetic nephropathy in normoalbuminuric type 1 diabetic patients

Alicia DO Parks¹, Michael Mauer MD² and M. LuizaCaramori MD, PhD¹-²- Minneapolois, MN, USA

12.30 – 12.45

Renal and Retinal Structural Changes in Type 1 Diabetes (T1D)

Tasma Harindhanavudhi, Michael Mauer, Ronald Klein, and M. Luiza Caramori for the ReninAngiotensin System Study (RASS) Investigators

12.45 – 13.00 DISCUSSION

13.00 – 14.00 LUNCH

SESSION 7 – Experimental studies II

Chairmen:

A Solini (Pisa, IT) TBC

M Meier (Hannover, GER) TBC

14.15 – 14.30

Pathogenic role of VEGF-A and nitric oxide in diabetic nephropathy

Delma Veron and Alda Tufro* - New Haven, CT, USA

14.30 – 14.45

Uncoupled endothelial nitric oxide synthase is ameliorated by green tea in experimental diabetes mellitus

Alexandros Papadimitriou, Aline M. Faria, Jacqueline M. Lopes de Faria, José B. Lopes de Faria - São Paulo, Brazil

14.45 – 15.00

P2X7 deficiency attenuates renal disease induced by high-fat diet
CB2 Receptor Deletion Worsens Both Functional and Structural Abnormalities in Experimental Diabetes

Barutta F, Corbelli A, Pinach S, Rastaldi MP, CavalloPerin P, Gruden G. - Turin, Italy

15.15 – 15.30 DISCUSSION

15.30 – 16.00 COFFEE BREAK

SESSION 8 – Clinical Observations & biomarkers

Chairmen:
R Nelson (Phoenix, AZ, USA)
L Tarnow (Gentofte, DK)

16.00 – 16.15

Osteoprotegerin (OPG) is increased in patients with type 1 diabetes and vascular complications and predicts cardiovascular mortality

Aino Soro-Paavonen1,2, Daniel Gordin1,2, Carol Forsblom1,2, Milla Rosengård-Bärlund1,2, Johan Waden1,2, Lena Thorn1,2, Niina Sandholm1,2, Mette Bjerre3, Allan Flyvbjerg3, Merlin C. Thomas4, Per-Henrik Groop1,2,4, on behalf of the FinnDiane Study Group – 1,2 Helsinki 3Aarhus, Denmark, 4Melbourne, Australia

16.15 – 16.30

Vitamin D levels and asymptomatic coronary artery disease in type 2 diabetic patients with elevated urinary albumin excretion rate

Christel Joergensen1, Henrik Reinhard1, Anne Schmedes2, Peter R. Hansen3, Niels Winberg4, Claus L. Petersen4, Kaj Winther5, Hans-Henrik Parving6, Peter K. Jacobsen1,7, Peter Rossing1

1,3Gentofte, 2Vejle, 4,5Frederiksberg, 6,7Copenhagen, (All in Denmark)

16.30 – 16.45

Association of normoalbuminuric renal impairment with cardiovascular disease

Urinary albumin loss and pre-eclampsia in pregnant women with Type 1 diabetes - the DAPIT study
J.D. Walker¹, V.A. Holmes², C.C. Patterson³, I.S. Young³, D.W.M. Pearson⁴, M.J.A. Maresh⁵, D.R. McCance⁶, for the Diabetes and Pre-eclampsia (DAPIT) Study Group - ¹Livingston, ², ³, ⁶Belfast, ⁴Aberdeen, ⁵Manchester, all United Kingdom.

17.00 – 17.15 BEST COMMUNICATION PRIZE & CLOSING REMARKS
Per-Henrik Groop, Jelka Zaletel