

Final Program

RISC Study (QLG1-CT-2001-01252): mid-term review and initial results and

EGIR Annual Meeting: insulin resistance and cardiovascular disease

Amsterdam – The Netherlands 26-28 February 2004

Thursday 26 February: afternoon session

- 15.30 Welcome and Opening (J Dekker – Amsterdam, The Netherlands)
- 15.35 Introduction (E Ferrannini – Pisa, Italy)
- 15.45 RISC population and examinations completed (S Hills – Pisa, Italy)
- 16.00 Risk factors and sub-clinical cardiovascular disease (J Dekker – Amsterdam)
- 16.30 Physical activity and body composition (B Balkau – Paris, France)
- 17.00 Practical evaluation of the RISC Study and lessons for the follow-up study
in subgroups & with a drink
- 18.00 *Informal get together with a drink***
- 20.00 *Dinner in meeting room & RISC Olympic Games***

Friday 27 February: first morning session

- 8.30 Euglycaemic hyperinsulinaemic clamp and 'M' values (A Natali – Pisa, Italy)
- 9.00 Insulin sensitivity indices (A Mari – Padova, Italy)
- 9.30 Carotid artery ultrasound findings (M Kozakova – Pisa, Italy)
- 10.00-10.30 *Coffee*

Second morning session

- 10.30 *Invited speaker: Insulin resistance and the atherothrombotic syndrome (P. Grant – Leeds, UK)*
- 11.15 *Invited speaker: Can microcirculatory dysfunction cause insulin resistance? (C.D.A. Stehouwer - Amsterdam, Netherlands)*

12.00-14.00 Lunch

Friday 27 February: afternoon session

14.00 *Invited speaker: : Modulation of insulin sensitivity (J.A. Romijn - Leiden, The Netherlands)*

14.45 Abstract presentations from the EGIR group

- Small dense LDL among rural Indians compared with migrant contemporaries: a major pathology in insulin resistance and metabolic syndrome? *Patel J, Vyas A, Cruickshank JK, Prabakaran P, Bhatnagar D, Mackness M, Durrington P.*
- Insulin resistance predicts liver fat content in healthy volunteers *Ardigó D, Numeroso F, Valtuena S, Franzini L, Piatti PM, Monti L, Zavaroni I and Reaven GM.*
- Increased glucagon levels in non-diabetic first degree relatives of type 2 diabetic subjects of North European extraction *Jayapaul M*
- Does variation in the Calpain-10 gene influence insulin secretion? *Jayapaul M*
- Rosiglitazone treatment lowers insulin resistance and blood pressure in patients with Type 2 diabetes and hypertension. *Panteleimon A. Sarafidis, Anastasios N. Lasaridis, Peter M. Nilsson, Emmauil M. Pagkalos, Areti D. Hitoglou-Makedou, Kiriakos A. Kazakos, John G. Yovos, Achilleas N. Tourkantonis*

15.35 – 16.00 *Coffee*

16.00 Presentations from the EGIR group

- Carotid Artery Intima-Media Thickness (IMT), Insulin Resistance and Cardiovascular Risk People. *G Marchesini, S Moscatiello, R Marzocchi, C Zannoni, S Ramilli, A Berzigotti, G Forlani M Zoli*
- Metabolic significance of hepatic steatosis in non alcoholic fatty liver disease and HCV Chronic hepatitis. *Elisabetta Bugianesi, Ester Vanni, Amalia Gastaldelli, Roberto Gambino, Cassader, Gianfranco Pagano, Ele Ferrannini, Mario Rizzetto*
- Genetic Prediction of Future Type 2 Diabetes. *Valeriya Lyssenko, Peter Almgren, Dragi Anevski, Marju Orho-Melander, Marketa Sjögren, Tunamaija Tuomi, Leif Groop*

16.30 RISC Study: Clamp 'M' value and carotid intima-media thickness (E. Ferrannini, Pisa, Italy)

18.00 Bus to drinks and tour of the Maritime Museum followed by diner on the VOC ship

Saturday 28 February: first morning session

08.30 EGIR General Meeting

09.00 Genetic risk factors (M Walker – Newcastle-upon-Tyne, UK)

09.30 Merck and EGIR: Past, Present and Future (H Howlett, Merck)

09.45 AstraZeneca RISC Sponsorship from the clinical and commercial perspectives : proposals and discussion (I Gause Nilsson and S Morris, Astra Zeneca)

10.00 Conclusion of RISC Study presentations (E Ferrannini, Pisa, Italy)

10.30 – 11.00 Coffee: Second morning session

11.00 Presentations from the EGIR group

- Aortic vascular smooth muscle cells from insulin resistant Zucker fa/fa rats are resistance to the nitric oxide-induced activation of soluble guanylate cyclase and to the cGmp-induced activation of

its specific kinase pkg: possible role in the pathogenesis of arterial hypertension in the insulin-resistant states *Isabella Russo, Gabriella Doronzo, Luigi Mattiello, Giovanni Anfossi, Mariella Trovati*

- Moderate weight reduction diet in obese type 2 diabetics : differences in the impact on total, oxidative and nonoxidative glucose disposal among responders and non-responders *Jotic A, Lalic N.M. Zamaklar M, Lalic K, Rajkovic N, Lukic Lj, Milicic T*
- Middle aged humans with a family history of type 2 diabetes mellitus show insulin resistance and higher plasma glucose during oGTT but no other features of the metabolic syndrome *Anderwald C, Pfeiler G, Nowotny P, Roden M and Waldhäusl W.*
- The predictive value of insulin resistance on cardiovascular risk-an opened prospective study on obese romanians *Celina Staffie, Liviu Stafie, Cepoi V, Vasilov Marieta*
- Visceral fat accumulation and Beta-cell function in nondiabetic subjects *Amalia Gastaldelli, Anna Maria Sironi, Demetrio Ciociaro, Vincenzo Positano, Emma Buzzigoli, Maura Pettiti, Massimo Lombardi, Andrea Mari and Ele Ferrannini*
- The effects of telmisartan and lercanidipine on blood pressure and insulin resistance in hypertensive patients. *Panteleimon Sarafidis, Anastasios Lasaridis, Lina Hatzistavri, Pantelis Zebekakis, Ionanis Tziolas, Athanasios Diamantopoulos*

12.00 – 13.00 Lunch

13.00 Presentations from the EGIR group

- Hypertransaminasemia in obesity is associated with insulin resistance. *G Marchesini, S Natale, R Marzocchi, C Zannoni, R Manini, And the Quavadis Study Group*
- Analysis of decreased insulin sensitivity and cholesterol metabolism impairments in type 2 diabetics and nondiabetic subjects with coronary artery disease. *K. Lalic, M. Ostojic, N.M. Lalic, M. Zamaklar, A. Jotic, N. Rajkovic, Lj. Lukic, T. Milicic*
- Relationship between insulin sensitivity and the evolution of cardiovascular disease in a healthy, normotensive Irish population. *MS Murphy, NM Mag, TP Yeow, S McQuaid, JJ Nolan*
- Association between changes in environmental factors and metabolic syndrome parameters. The French D.E.S.I.R. Study. *E. Vierron, B.Balkau, M. Vernay, J-G Moreau, C. Born, A. Petrella, P. Ducimetiere and the D.E.S.I.R. Study Group*
- The predictive value of the metabolic syndrome versus insulin sensitivity for incident type 2 diabetes: the Hoorn-Clamp Study. *G. Nijpels, J.M. Dekker, L.M. Bouter, R.J. Heine*

14.50 Close of meeting (J Dekker, Amsterdam)

Saturday afternoon:

- Independent sightseeing in Amsterdam

If you would like to join us for dinner at the Novotel please let us know. Otherwise you are welcome to make independent arrangements.

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