The 45th Annual Meeting of the European Diabetes Epidemiology Group
15 -18 May 2010
Porto Heli, Greece

Programme
Day 1, Saturday 15 May 2010

16.30 Registration opens

18.30 Opening introduction

18.45 Plenary session 1
Demosthenis Panagiotakos, Harokopio University, Athens
Epidemiology of diabetes in the southern European countries and the Mediterranean diet.
Chair: Nick Wareham, UK

19.15 Oral presentations 1. Obesity and metabolic health.
Chair: Nicholas Katsilambros, Greece, Nick Wareham, UK

O1. The beneficial effect of Mediterranean diet on metabolic syndrome: a meta-analysis of 49 studies and 525,498 individuals.
Christina-Maria Kastorini, Greece

O2. Lifecourse determinants of insulin resistance and insulin secretion at age 49-51 years: the Newcastle thousand families study.
Mark S. Pearce, UK

O3. BMI trajectories and diabetes in the Whitehall II study.
Eric Brunner, UK

Annemieke Spijkerman, the Netherlands

O5. Risk factors for type 2 diabetes over 24 years in a representative adult Norwegian population. The HUNT study.
Kristian Midthjell, Norway

Dirk L. Christensen, Denmark

20.45 Welcome reception & Dinner

Day 2, Sunday 16 May 2010

07.00-07.30 EXERCISE BY THE BEACH

08.30 Plenary session 2
John H. Fuller, University College, London, UK
Complications of Type 1 diabetes in Europe: The EURODIAB experience.
Chair: Daniel Witte, Denmark

09.00 Oral presentations 2. Complications of diabetes
Chair: Beverley Balkau, France, Daniel Witte, Denmark

Arleta Rewers, USA

Emelie Heintz, Sweden

O9. Characterizing the development of diabetic retinopathy in the diabetes care system west-Friesland, the Netherlands.
Hata Zavrelova, the Netherlands

O10. Type 2 diabetes changes the relationship between pulse pressure and decline in glomerular filtration rate – the AUSDIAB study.
Katja van den Hurk, the Netherlands
10.00  
**Coffee break**

10.30  
Poster Sessions 1 & 2 (in parallel). Obesity and prediabetes

**Session 1**  
**Chair:** Eric Brunner UK, Anne Fagot-Campagna, France

**P1.** The association of anthropometric measures and abdominal fat measured by ultrasound with insulin resistance and beta cell function in a general population.  
*Troels Mygind Jensen, Denmark*

**P2.** Socioeconomic position and insulin sensitivity and secretion in U.S. youth.  
*Giuseppina Imperatore, USA*

**P3.** Differential impact of maternal weight, gestational weight gain and hyperglycemia on large-for gestational age (LGA) infants by maternal race/ethnicity.  
*Jean M. Lawrence, USA*

**P4.** Relationship between a children’s weight and psychological factors.  
*Mariya Vishnevskaya, Belarus*

**P5.** Correlation between main risk factors, heredity and obesity, with the early appearance of diabetes mellitus type 2.  
*Achilleas Triantafillidis, Greece*

**P6.** Objectively measured physical activity and markers of glucose homeostasis in a Danish population at high diabetes risk.  
*Anne-Louise S. Hansen, Denmark*

*Celine Druet, France*

**P8.** Prevalence and prevention of risk factors for diabetes among young people with a focus on ethnic minority groups.  
*Sinead Brophy, UK*

**P9.** Weight loss after roux-en-y gastric bypass surgery is facilitated by hunger suppression and satiety enhancement.  
*Alexander Kokkinos, Greece*

**P10.** Morbidly obese patients experience comparable improvement of cardiovascular morbidity indices and similar weight loss after gastric bypass or sleeve gastrectomy.  
*Ioanna Balla, Greece*

**Session 2**  
**Chair:** Simon Griffin, UK, Marian Rewers, USA

**P11.** Hba1c levels in healthy infants.  
*Hanneke Jansen, the Netherlands*

**P12.** Epidemiological characteristics of patients with type 2 diabetes mellitus attending the diabetes outpatient clinic of Kozani.  
*Achilleas Triantafillidis, Greece*

**P13.** Gender differences in factors associated with hyperglycemic states. The DEPLAN study.  
*Stavros Liatis, Greece*

**P14.** Risk factors of type 2 diabetes among Latin American migrants and native populations of Spain: VIVA-minorities and DE-PLAN studies.  
*Tania Acosta, Spain*

**P15.** Prevalence of the metabolic syndrome in the adult population of Cyprus and its relation to the dietary habits.  
*Theodoros G. Loizou, Cyprus*

**P16.** Metabolic syndrome in patients with bipolar disorders and the general population in Spain. Findings from a population-based case-control study: the BIMET-VIVA project.  
*R. Gabriel Sánchez, Spain*

**P17.** Ethnic differences in inflammation: c-reactive protein levels among Moroccan and Turkish migrant groups in Amsterdam, the Netherlands.  
*Joanne K. Ujcic-Voortman, the Netherlands*
P18. Associations between disturbances of glucose metabolism and arterial stiffness in a population at high diabetes risk. The ADDITION-PRO study. 
*Nanna Borup Johansen, Denmark*

P19. What factors improve access to screening of diabetes and cardiovascular risk factors [the deadly trio programme] in a hard to reach population? 
*Felix A.C. Burden, UK*

P20. Factors associated with acceptance to participate and adherence during a type 2 diabetes prevention programme. The DEPLAN study. 
*Sofia Grammatikou, Greece*

P21. The effects of consumption of desserts with low glycemic index and low glycemic load on weight loss and on the metabolic parameters of adults with type 2 diabetes. 
*Vasiliki Argiana, Greece*

12.00 
Lunch

13.00 
Oral presentations 3. Lifestyle factors and diagnosis of diabetes 
**Chair:** *Elizabeth Barrett Connor, USA, Basil Karamanos, Greece*

**O11.** Effects of an individual and group-based lifestyle intervention on changes in plasma glucose concentrations: the INTER99 study. 
*Cathrine Lau, Denmark*

**O12.** Activity stimulating program during the first year of life is effective in reducing adiposity at the age of 2.5 years. 
*Ronald Stolk, the Netherlands*

**O13.** A lifestyle intervention in the early postpartum period for women with GDM reduces diabetes risk factors. 
*Assiamira Ferrara, USA*

**O14.** Cardiovascular and diabetes risk following in rural to urban migration in Tanzania: do those in better off households have a worse risk factor profile? 
*Nigel Unwin, UK*

**O15.** Fasting glucose is better than HbA1c for the screening and diagnosis of diabetes and glucose intolerance. 
*Anastasia Thanopoulou, Greece*

**O16.** Incidence of type 2 diabetes using proposed HbA1c diagnostic criteria in the EPIC-Norfolk cohort: implications for preventive strategies. 
*Parinya Chamnan, UK*

14.30 
*Vassilis A. Oikonomou Archaeologist – Cultural Computing Scientist, Greece* 
From the Argolic Gulf to the Cyclades: Cultural Relations in Prehistoric Aegean

15.15 
General assembly

16.00 
Social program & dinner

23.30 
Estimated return to the hotel
Day 3, Monday 17 May 2010

07.30 - 08.00  EXERCISE BY THE BEACH

09.00  Plenary session 3
Mika Kivimäki, University College London, UK
The bidirectional association between depression and diabetes.
Chair: Sarah Wild, UK

Chair: Jaakko Tuomilehto, Finland, Sarah Wild, UK
Daniel Witte, Denmark
Angela D. Liese, USA
O19. Cardiometabolic and inflammatory but not behavioural factors partly mediate the
association between psychosocial stress and type 2 diabetes: the Whitehall II study.
Alexandros Heraclides, UK
O20. Epidemiological evidence for the association between sleep duration and diabetes
mellitus in women. The Athens study.
Evanthia Gouveri, Greece
Alka M. Kanaya, USA

10.45  Coffee break

11.15  Poster sessions 3 & 4 (in parallel). Incidence and prevalence of diabetes
Session 3
Chair: Trevor Orchard USA, Qing Qiao, Finland
P22. Full fat dairy products increase blood glucose levels among hypertensive people:
a cross-sectional study.
Vassiliki Bountziouka, Greece
P23. Dietary glycemic index, glycemic load, carbohydrate and fiber and incidence of type 2
diabetes in the EPIC-NL study.
Ivonne Sluijs, the Netherlands
P24. Coffee, tea and incident type 2 diabetes: a possible role for antioxidants?
Anneleen Kuijsten, the Netherlands
P25. Meat intake and risk of type 2 diabetes and the role of c-reactive protein:
a population-based prospective follow-up.
G.J. van Woudenbergh, the Netherlands
P26. The association between type 2 diabetes with demographic, clinical and
socioeconomic parameters in a representative sample of the adult Greek population.
Nicholas Tentolouris, Greece
P27. The perception of the type 2 diabetes burden in Turkish-origin Germans: how
qualitative anthropological research can inform quantitative epidemiological inquiry.
Cornelia Guell, UK
P28. Prevalence of high risk for type-2 diabetes, glucose metabolic disorders and unknown
diabetes in the elderly population of Spain: DE-PLAN elderly project.
Jaakko Tuomilehto, Finland
John Doupis, Greece
P30. Prevalence and regional differences in Spain diabetes mellitus: pooled analysis of
epidemiological studies during the 90s.
Rafael Gabriel, Spain
**P31.** Socio-economic status and dietary fish and seafood intake: a cross sectional analysis in the EPIC-NORFOLK cohort.
*Pinal S. Patel, UK*

Session 4
**Chair:** Kristian Midthjell, Norway, Sabita Soedamah Muthu, the Netherlands

**P32.** Seasonal variations in HbA1c in adult non-diabetic general population of eastern Poland.
*Grażyna Mardarowicz, Poland*

**P33.** Are the same clinical risk factors relevant for incident diabetes defined by treatment, by fasting plasma glucose and by Hba1c?
*Beverley Balkau, France*

**P34.** Reproducibility of Hba1c in healthy subjects: assessment and impact on Hba1c performance for diabetes diagnosis.
*Dominique Simon, France*

**P35.** Comparison of OGTT and Hba1c to identify hyperglycaemia in an elderly population.
*Louise Hayes, UK*

**P36.** Implementing and evaluating routine GADA testing in south Wales.
*Helen Davies, UK*

**P37.** Best interventions for preserving β-cell function in latent autoimmune diabetes in adults [LADA].
*Sopna Choudhury, UK*

**P38.** Clinical evolution of beta-cell function in youth with diabetes.
*Dana Dabelea, USA*

**P39.** Neighborhood context and incidence of type 1 diabetes: an ecologic study.
*Robin C. Puett, USA*

**P40.** Epidemiological data for non childhood onset type 1 DM in Crete 1993-2008.
*Maria Sfakianaki, Greece*

12.30  
**Lunch**

13.30  
**Plenary session 4**
*Bendix Carstensen, Steno Diabetes Center, Denmark*
Pharmacovigilance based on routine datasets: Possibilities and pitfalls.
**Chair:** Annemieke Spijkerman, the Netherlands

14.00  
**Oral presentations 5. Diabetes, cardiovascular risk and mortality**
**Chair:** Richard Hanman, USA, Annemieke Spijkerman, the Netherlands

**O22.** An excess mortality among people treated for diabetes in France - the 2001-2006 Entred cohort.
*Anne Fagot-Campagna, France*

**O23.** Time trends in cardiovascular risk factors and medication in 4,837 postmyocardial infarction patients with and without type 2 diabetes in the Netherlands.  
*Sabita S. Soedamah-Muthu, the Netherlands*

**O24.** Calcium decreases mortality risk among individuals with type 1 diabetes.  
*Tina Costacou, USA*

**O25.** High Density Lipoprotein Cholesterol (HDLC) in diabetes: is higher always better? 
*Trevor J. Orchard, USA*

**O26.** Plasma levels of gamma-glutamyltransferase are associated with increased mortality in individuals with diabetes mellitus.  
*Diewertje Sluik, Germany*

15.15  
**Coffee break**
Poster sessions 6 & 7 (in parallel):
Glucose control, treatment and complications of diabetes

Session 6

Chair: Ronald Stolk, the Netherlands, Adam Tabak, Hungary

Uriëll L. Malanda, Norway

P42. Association between HbA1c and self - monitoring blood glucose values in patients with type 2 diabetes.
Konstantinos Makrilakis, Greece

P43. Competing demands and treatment intensification in type 2 diabetes.
Jaco Voorham, the Netherlands

P44. Assessment of medication adherence among patients with diabetes.
Majken Linnemann Jensen, Denmark

P45. Medication adherence affects treatment modifications in type 2 diabetes.
Petra Denig, the Netherlands

P46. Costs of patients with type 2 diabetes treated by a diabetes care system compared to patients receiving usual diabetes care.
Amber van der Heijden, the Netherlands

P47. Quality of life in adolescent treated with continuous subcutaneous insulin infusion (CSII) and multiple daily insulin injections (MDI): results of VIPKIDS study.
Flavia Carle, Italy

P48. Social, clinical and demographic characteristics associated with smoking habits in a Greek type 2 diabetes population sample.
Evanthia Diakoumopoulou, Greece

Ieva Strele, Latvia

P50. Short-term mortality in type 1 diabetes population in the Marche region, Italy.
Lorenza S. Bagalini, Italy

P51. Type 2 diabetes, socio economic status and mortality in Scotland.
Jeremy Walker, UK

Session 7

Chair: Peter Bennett, USA, Nigel Unwin, UK

P52. Traditional cardiovascular risk factors only explain half of the excess risk of coronary calcification in type 1 diabetic patients.
Marian Rewers, USA

Olga A. Tsachouridou, Greece

P54. Factors that are associated with PWV in patients with type 2 diabetes mellitus.
Ioanna Eleftheriadou, Greece

P55. Lipids and apolipoproteins as risk markers of cardiovascular mortality during an 18 - year follow - up study.
Auni Juutilainen, Finland

P56. The relationship between smoking and diabetes in terms of specific angiographic manifestations of coronary artery disease (CAD).
Chrysi Koliaki, Greece

Elias Sanidas, Greece

P58. Prevalence of impaired pressure sensation in a population with screen detected diabetes.
Morten Charles, Denmark
**Programme**

**P59.** Factors associated with baroreflex sensitivity in patients with type 2 diabetes mellitus.  
*Stamatia Chorepsima, Greece*

**P60.** The spectrum of the diabetic foot: first epidemiological observations from a northern Greek centre.  
*Chrysi Bogiatzi, Greece*

**P61.** “Real life” cancer co-morbidity in Greek subjects with diabetes mellitus followed at a single center.  
*Anastasia Thanopoulou, Greece*

**P62.** Quantifying the association between tuberculosis and diabetes: a case-control analysis.  
*Valerie Corris, UK*

**P63.** Demographic, clinical and ethnic characteristics of type 2 diabetes patients with diabetic ketoacidosis admitted in a public hospital.  
*Christina Voulgari, Greece*

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17.15  
**Oral presentations 6. Novel risk factors for incident diabetes**  
**Chair:** Konstantinos Makrilakis, Greece, Dominique Simon, France

**O27.** Genetic impact on glucose levels in a longitudinal study.  
*Anders C. Jensen, Denmark*

**O28.** The association between carotenoids and the risk of new-onset type 2 diabetes: a comparison of methods using food frequency questionnaire, 7-day food diary, and plasma biomarker in the EPIC- NORFOLK study, UK.  
*Andrew J. Cooper, UK*

**O29.** White blood cell (WBC) count and the risk of type 2 diabetes (T2D): systematic review and meta-analysis of cross-sectional and prospective studies.  
*Effrossyni Gkrania - Klotsas, UK*

**O30.** Δ5 desaturase and Δ6 desaturase activities in relation to type 2 diabetes risk in the EPIC-POTSDAM study.  
*Janine Kroger, Germany*

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18.15  
**Closing remarks**

20.00  
**Gala Dinner**

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**Day 4, Tuesday 18 May 2010**

**Breakfast and departures**