

**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

O4. Weight change and incident diabetes: an unresolved issue addressed.

Annemieke Spijkerman, the Netherlands

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

Kristian Midtthjell, Norway

O6. Metabolically healthy overweight in an adult Kenyan population.

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*

O7. Prevalence of ketoacidosis in children diagnosed with diabetes, Colorado, 1978-2009.

Arleta Rewers, USA

O8. Prevalence of diabetic retinopathy - a register-based analysis in a Swedish population.

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 Triantafyllidis, Greece

P6. Objectively measured physical activity and markers of glucose homeostasis in a Danish population at high diabetes risk.

Anne-Louise S. Hansen, Denmark

P7. Prevalence and trends in obesity among people with type 2 diabetes in France. Entred 2001 -2007.

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 Triantafyllidis, 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. Prevalance 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*

09.30 Oral presentations 4. Psychosocial factors and diabetes.

Chair: *Jaakko Tuomilehto, Finland, Sarah Wild, UK*

O17. Age and gender differences in risk of depression after incident diabetes.

Daniel Witte, Denmark

O18. Neighborhood-level risk factors for type 1 diabetes: a case control study.

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

O21. Asian subgroup heterogeneity of diabetes outcomes.

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 Woudenberg, 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

P29. Prevalence of type 2 diabetes in a sample of adult population in southwest Albania.

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 Hamman, 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 (HDL) 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

15.45

Poster sessions 6 & 7 (in parallel):

Glucose control, treatment and complications of diabetes

Session 6

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

P41. Self - monitoring of glucose in patients with type 2 diabetes who are not using insulin: an update.

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

P49. Relative mortality of diabetes patients in Latvia, 2002-2006.

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

P53. Hypertension in patients with diabetes mellitus type 2(DMT2), prevalence and treatment.

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

P57. Coexistent cardiovascular risk factors in catheterized patients with diabetes and angiographically - confirmed coronary artery disease (CAD).

Elias Sanidas, Greece

P58. Prevalence of impaired pressure sensation in a population with screen detected diabetes.

Morten Charles, Denmark

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

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. $\Delta 5$ desaturase and $\Delta 6$ desaturase activities in relation to type 2 diabetes risk in the EPIC-POTSDAM study.

Janine Kroger, Germany

18.15

Closing remarks

20.00

Gala Dinner

Day 4, Tuesday 18 May 2010

Breakfast and departures