

7th World Congress on Prevention of Diabetes and its Complications

Madrid, 11 - 13 November 2012

Sponsors:



Colabora Medtronic Ibérica S.A.



WORLD DIABETES FOUNDATION



"Making Prevention a Reality"

Institutional support:



Final Scientific Programme



Final Scientific Programme

Sunday, November 11

14:00-16:00 Satellite symposia: Kowa Pharmaceuticals

16:45-18:30 Opening Ceremony

Health Authorities of Madrid

Co-presidents: Jaakko Tuomilehto, Manuel Serrano-Ríos,
Rafael Gabriel

Plenary opening lecture

Chair: Jaakko Tuomilehto

Lecturer: Jean-Claude Mbanya. President of the IDF Brussels.
Belgium.

Worldwide challenges for the prevention of Diabetes

Round table: Sports for the Prevention of Diabetes

Chair: Rafael Gabriel

Speakers:

Colin Fuller. *FIFA program on football and health.*
Zurich. Switzerland.

Julio González Ronco. *Director the Real Madrid Foundation.*

Alberto Gómez. *Real Madrid Medical Services.*

Tomás Mejías. *Real Madrid football player.*

20:00 Welcome Reception

Monday, November 12

08:30-09:30 **Key Notes I** (*Roma meeting room*)

Chair: Arturo Fernández-Cruz. Madrid. Spain.

Highlights on Diabetes and Inflammation

(Abbott Session)

Pablo E. Pergola. San Antonio. USA.

Jesús Egido. Madrid. Spain.

Key Notes II

 (*Milan meeting room*)

Chair: Gumersindo Fernández Vázquez. Madrid. Spain.

Pharmacology in the Prevention of Diabetes

Review of state of the art and new therapies. Ralph DeFronzo.
San Antonio. USA.

The ORIGIN trial. Ambadi Ramachandran. Chennai. India.

09:30 -11:00

TRACK 1 - Session 1.1.1.

(*Roma meeting room*)

Mitochondria and 5-Aminolevulinic acid (5-ALA) in type 2 diabetes
(SBI Pharmaceuticals Session)

Chair: Hiroshi Itoh.

- *Endocrinological approach to improve mitochondrial dysfunction in diabet mellitus and "metabolic domino".* Hiroshi Itoh. Tokyo. Japan.
- *The effect of aminolevulinic acid on aerobic metabolism in mitochondria.* Shun-ichiro Ogura. Tokyo. Japan.
- *Use of the dietary supplement 5-aminolevulinic acid (5-ALA) and its relationship with glucose levels and hemoglobin a1c among individuals with pre-diabetes.* Beatriz Rodríguez. Honolulu. USA.
- *Suppression of both the fasting and postprandial plasma glucose levels by 5-aminolevulinic acid.* Tohru Tanaka. Tokyo. Japan.
- *Possibility of 5-aminolevulinic acid for nutritional supplement; suppression of visceral fat accumulation in rats.* Aya Koda. Tokyo. Japan.

TRACK 2 - Session 1.2.1.

(*Milan meeting room*)

WDF 10th Anniversary Symposium 1. Addressing Primary Prevention of Diabetes Catalyzing Action on Diabetes Celebrating a Decade of WDF Initiatives

Chairs: Pierre Lefévre. Copenhagen. Denmark &
Juliana Chan. Hong Kong. China.

- *Welcome address and presentation.* Anil Kapur. Copenhagen. Denmark.
- *The Qingdao diabetes prevention programme in China.* Qing Qiao. Helsinki. Finland.
- *Catching them young. Addressing prevention through school health initiatives.* Izabel Homem de Mello. Sao Paulo. Brazil.
- *Building a momentum. Primordial prevention through maternal health. The Tamil Nadu and other GDM initiatives.* Vijayam Balaji. Chennai. India.
- *Building advocacy to address the burden of diabetes amongst indigenous peoples.* Ida Nicolaisen. Copenhagen. Denmark.

Discussion Forum.

TRACK 3 - Session 1.3.1.

(*Venecia meeting room*)

Nutrition and Diabetes Prevention

Chairs: Matti Uusitupa. Kuopio. Finland &
Jordi Salas-Salvadó. Barcelona. Spain.

- *Vitamin D and diabetes, where are we at present?* Elina Hyppönen. London. UK.
- *Dietary protein, diabetes and its complications.* Marleen van Baak. The Netherlands.
- *Different dietary alternatives in the prevention and treatment of type 2 diabetes.* Anastasia Thanopoulou. Greece.



- *Anti-inflammatory and insulin-sensitizing properties of omega-3 derived resolvins.* Joan Clària. Barcelona. Spain.

Oral communication:

1. *The impact of high-fiber, low-fat diet in prevention of type 2 diabetes with lifestyle.* Cakmakci Idiz C. Istanbul, Turkey.
2. *Greater fruit and vegetable intake is associated with reduced glycaemic parameters.* Patrice. Carter. Leicester. UK.
3. *Effect of Ramadan fasting diet on postprandial metabolism among patients with Type 2 Diabetes in Sidi-Bel-Abbes (West Algeria).* Meghit Boumediene Khaled. Sidi-Bel-Abbes, Algeria.

Concluding remarks and further research. Matti Uusitupa. Kuopio. Finland.

TRACK 4 - Session 1.4.1. (Munich meeting room)

Role of technology in the prevention of diabetes and its complications.
(Medtronic Session)

Chairs: María Teresa Meneu. Valencia. Spain &
Jaime Aranda Regules. Cuenca. Spain.

- *Translating insulin pump technology into patient benefit.* Ohad Cohen. Israel.
- *METABO as a support tool for the optimization of integrated care programs for T1-T2DM.* Diego Ardigó. Parma. Italy.
- *Integrated care of the person with diabetes: the case of APDP in Portugal.* João Filipe Raposo. Lisboa. Portugal.

Oral communications (presenting author):

- *Potentials of (new) media for health communication in the field of diabetes prevention.* Daniel Tolks. Munich. Germany.

11:00-11:30 Coffee break. Visit exhibition and poster areas

11:30 -13:00

TRACK 1 - Session 1.1.2. (Roma meeting room)

Good things in life: Can coffee help in diabetes prevention?
(Institute of Scientific Information on Coffee ISIC Session)

Chairs: Pablo Aschner. Bogotá. Colombia. Siamak Bidel. Helsinki. Finland.

- *Mechanistic theories on how coffee might act with regard to diabetes.* Nathan Matusheski. USA.
- *Latest experiences from coffee intervention trials.* Jaakko Tuomilehto. Helsinki. Finland.
- *Significance of clinical parameters found so far regarding coffee and diabetes.* Pilar Riobó. Madrid. Spain.
- *Coffee and reduced risk of type 2 diabetes. Epidemiological evidence.* Edith Feskens. Bilthoven. The Netherlands.

TRACK 2 - Session 1.2.2. (Milan meeting room)

WDF 10th Anniversary Symposium 2 Building Access to care and Addressing Secondary Prevention

Chairs: Kaushik Ramaiya. Copenhagen. Denmark &
Naomi Levitt. Cape Town. South Africa.

- *Improving access to care and prevention through integrated comprehensive national programme.* Zachary Muriuki Ndegwa. Nairobi. Kenya.
- *Step by Step. Building training and capacity for preventive foot care and reducing needless amputations & lessons from WDF projects.* Zulfikar Gulam Abbas. Dar Esalam. Tanzania.
- *Delivering comprehensive diabetes care at the doorstep.* Krishna Murthy. Bangalore. India.
- *Addressing the double burden of DM and TB. The WDF initiatives.* Anil Kapur. Copenhagen. Denmark.

Panel Discussion:

Building comprehensive initiatives to address diabetes. What will it take?

TRACK 3 - Session 1.3.2. (Venecia meeting room)

Cancer and Diabetes (Sanofi-Aventis Session)

Chairs: Peter Boyle. Lyon. France & Nebojsa Lalic. Belgrade. Serbia.

- *Hyperglycaemia, diabetes and cancer risk. Epidemiology and mechanisms.* Sarah Wild. Edinburgh. Scotland.
- *Oral antidiabetic agents and cancer. Is metformin protective?* Edoardo Mannucci. Firenze. Italy.
- *Insulin use and cancer risk. Nordic collaborative study.* Peter Boyle. Lyon. France.
- *Antidiabetic drugs and cancer risk. US observational studies.*

TRACK 4 - Session 1.4.2. (Munich meeting room)

Risk scores/prediction/screening

Chair: Stephen Colagiuri. Sydney. Australia &
K. Pauvaday. Port Louis. Mauritius.

Introduction. Stephen Colagiuri.

Oral communications:

1. *Comparison of point of care diabetes screening methods in an at-risk greek population.* John Maynard. Athens. Greece.
2. *A systematic review of screening and recruitment strategies which engage high-risk participants into lifestyle programs that prevent or delay type 2 diabetes: what are the most effective strategies?* Alice Gibson. Sydney. Australia.
3. *Risk equations for the development of worsened glucose status and type 2 diabetes mellitus in a Swedish population.* Anne Neumann. Umeå, Sweden.



4. *Cross-sectional analysis of the Japanese Diabetes Risk Score in 4017 Japanese people and its clinical interpretation.* Shuichi Katoh. Tokyo, Japan.
5. *The Australian type 2 diabetes risk tool (AUS-DRISK): what contributes to the overall risk score?* Stephen Colagiuri. Sydney, Australia.
6. *Validation of the findrisc questionnaire in the Spanish population: the VIVA (variability of insulin with visceral adiposity) cohort study.* Rosario Madero. Madrid, Spain.
7. *Tolerance test with a standard breakfast food versus classic test of oral glucose tolerance in people at high risk for type 2 diabetes.* Jaime Aranda. Cuenca, Spain.
8. *Screening for diabetes in a mediterranean region: a whole population study. The ESCARVAL study.* Domingo Orozco-Beltran. Elche, Spain.
9. *Diabetes risk score for undiagnosed diabetes in African populations.* Mary Mayige. Newcastle, UK.

13:00-14:30 Lunch / Poster session

Poster session 1.1. General

Chair: Pregrag Djordjevic. Serbia.

Poster session 1.2. Controversies of glucose control on microvascular and macrovascular complications

Chair: Ruy López Ridaura. México.

Poster session 1.3. CVD-risk

Chair: Javier Muñíz. Spain.

Poster session 1.4. Cost of diabetes prevention. Socieconomic and cultural differences

Chair: Noël Barengo. Argentina.

Poster session 1.5. Health Behaviour change

Chair: Beatriz Rodríguez. USA.

Poster session 1.6. National Diabetes Prevention Programs

Chair: Jaanna Lindström. Finland.

Poster session 1.7. Obesity

Chair: Kristian Midthjell. Norway.

Poster session 1.8. Risk scores/prediction/screening

Chair: Crystal Lee. Australia.

14:30-16:00 **Key Notes I** (Roma meeting room)

Chair: Manuel Serrano-Ríos. Madrid, Spain.

Genetics

- *Foetal origins.* Graham Hitman. London, UK.
- *Genetics and personalized medicine in the prevention of diabetes.* José Florez. Boston, USA.

Key Notes II (Milan meeting room)

Chair: Edward Gregg. Atlanta, USA.

The WHO package of essential noncommunicable disease interventions for primary health care

Gojka Roglic. Genève, Switzerland.

16:00-16:30 Coffee break. Visit exhibition and poster areas

16:30-17:30 **Plenary lecture Menarini Award**

Joseph J. Hoet Memorial Lecture.

Chairs: Paolo Pozzilli, Italy and Jaakko Tuomilehto, Finland.

Diabetes Research between Past and Future

Prof. Massimo Porta. Turin, Italy.

17:30-19:00

TRACK 1 - Session 1.1.3.

(Roma meeting room)

The Juvenile Diabetes Research Foundation Session

Chairs: Marian Rewers, Colorado, USA & Marta Botella, Madrid, Spain.

- *Clues from contrasting the genetic background of type 1 diabetes and celiac disease.* Fleming Pociot. Gentofte, Denmark.
- *Principles to study genes and environment interaction.* Marian Rewers, Colorado, USA.
- *Epigenetics in relation to T1D.* David Leslie, London, UK.

TRACK 2 - Session 1.2.3.

(Milan meeting room)

Preventing type 2 diabetes. Trans-disciplinary collaboration

Chair: Mary Beth Weber & K. M. Venkat Narayan, Atlanta, USA.

- *Introduction and Context.*
- *Example of research connecting genes, sociology, diabetes.* Mark Pachucki, San Francisco, USA.
- *Social structure, diabetes risk and prevention. Learning from non-human Primates.* Carla Moore, Atlanta, USA.
- *Climate change and diabetes prevention. Lessons for the wise.* Richard Smith, London, UK.

TRACK 3 - Session 1.3.3.

(Venecia meeting room)

National Diabetes Prevention Programs Asia / Pacific Region

Chair: Beatriz Rodríguez, Honolulu, USA & Qing Qiao, Helsinki, Finland.

- *Australia:* Stephen Colagiuri, Sydney, Australia.
- *India:* Ambadi Ramachandran, Chennai, India.
- *Mauritius:* Sudhirsan Kowlessur, Port Louis, Mauritius.



Oral communications:

1. *From small implementation trial to large scale population program in diabetes prevention: what gets lost in translation? Participant experiences from Australia.* Andrea Hernan. Warrnambool. Australia.
2. *Preventing diabetes in pregnancy from progressing to type 2 diabetes: macrolevel system change in south Australia and Victoria: the MAGDA program.* Professor Edward Janus. Melbourne. Australia.
3. *Diabetes self-risk assessment questionnaire coupled with a multimedia health promotion campaign are cheap and effective tools to increase public awareness of diabetes in a large chinese population.* Qing Qiao. Helsinki, Finland.
4. *Preliminary results from the long-term follow up of participants in the Sydney Diabetes Prevention Program: Is weight loss maintained one and two years after program completion?* Philip Vita. Sydney. Australia.

TRACK 4 - Session 1.4.3. (Munich meeting room)

Physical activity and Obesity

- Chair and Introduction:** *Diet and weight control.*
Jaanna Lindström. Helsinki. Finland.
- Co-chair and Introduction:** *Physical activity.*
Laura Kuznetsov. Cambridge. UK.

Oral communications:

1. *Relations between baseline physical activity by pedometer counts and the development of diabetes mellitus in the NAVIGATOR study.* Thomas Yates. Seinajoki. Finland.
2. *Association of Individual Characteristics with Type I or Type II Diabetes.* Maryam Foroutan. Zanzan. Iran.
3. *Best practice recommendations for school-based primary prevention/ health promotion interventions for NCDs in developing countries- a review of projects supported by WDF.* Mette Skar. Copenhagen. Denmark.
4. *Predictors of change in objectively measured and self-reported health behaviours among people with recently diagnosed type 2 diabetes: results from the ADDITION-PLUS trial cohort.* Laura Kuznetsov. Cambridge. UK.
5. *Implementation of the translated slim diabetes prevention intervention in a Dutch real-life setting: the SLIMMER pilot study.* Geerke Duijzer. Wageningen. The Netherlands.

Tuesday, November 13

08:30-09:30 **Key Notes I** (Roma meeting room)

Chair: Carmen Gómez Candela. Madrid. Spain.

Mediterranean and Baltic seas diets to prevent Diabetes
Matti Uusitupa. Kuopio. Finland & Emili Ros. Barcelona. Spain.

Key Notes II (Milan meeting room)

Chair: Andrea Natali. Pisa. Italy.

Lifestyle interventions for the prevention of NAFLD
Amalia Gastaldelli. Pisa. Italy.

09:30 -11:00

TRACK 1 - Session 2.1.1. (Roma meeting room)

Early detection and prevention of diabetic retinopathy (Novartis session)

Chairs: Maria Isabel Lopez. Valladolid. Spain & Alicia Pareja. Tenerife. Spain

- *Diabetic retinopathy: magnitude of the problem and social repercussions.* Massimmo Porta. Turin. Italy.
- *Screening of Diabetic retinopathy: current concepts and future perspectives.* Peter Scanlon. Cheltenham. UK.
- *New methods to evaluate diabetic retinopathy. Have they any role in the screening?* José Cunha-Vaz. Coimbra. Portugal.

Oral communications:

1. *Heart rate variability in non-proliferative diabetic retinopathy.* Avtandil Kipiani. Tbilisi, Georgia.

TRACK 2 - Session 2.2.1. (Milan meeting room)

Prevention of Diabetes in Primary Care

Co-chairs: Rafael Gabriel. Madrid. Spain & Aleksandra Gilis-Januszewska. Krakow. Poland.

- *Introduction:*
 - *DE-PLAN Europe.* Rafael Gabriel. Madrid. Spain.
 - *DE-PLAN Serbia I.* Predrag Djordjevic. Belgrade. Serbia.
 - *DE-PLAN Serbia II.* Katarina Lalic. Belgrade. Serbia.
 - *DE-PLAN Madrid.* Tania Acosta. Madrid. Spain.
 - *DE-PLAN Turkey.* Cemile Idiz Cakmakci. Istanbul. Turkey.
 - *DE-PLAN/HUNT.* Kristian Midthjell. Trondheim. Norway.

Oral communications:

1. *Effect of health education in people with early detected dysglycemia: 3 year follow-up (the ADDITION-DK).* Helle Terkildsen Maindal. Aarhus. Denmark.
2. *ALAS Alas program: detection of people at high risk of type 2 diabetes mellitus followed by lifestyle interventions in Madrid, Spain.* Mercedes Martinez-Cortes. Madrid. Spain.

Closing remarks: Aleksandra Gilis-Januszewska.



TRACK 3 - Session 2.3.1. (Venecia meeting room)

Insulin resistance, β -cell function and prevention of T2D

Chairs: Amalia Gastaldelli. Pisa. Italy &
Gumersindo Fernández Vázquez. Madrid. Spain.

- *Insulin resistance vs insulin secretion in development of type 2 diabetes: relevance for the preventive strategies.* Nebojsa Lalic. Belgrado. Serbia.
- *GLP-1 therapy, body weight and conversion from IGT to type 2 diabetes.* John Petrie. Glasgow. UK.
- *Diabesity: new treatments.* Alain Golay. Genève. Switzerland.

Oral communications:

1. *Blood glucose is neurally regulated.* Graham Wilfred Ewing. Nottingham. UK.

11:00-11:30 Coffee break. Visit exhibition and poster areas

11:30-13:00

TRACK 1 - Session 2.1.2. (Roma meeting room)

Cardiovascular risk in Diabetes. EASD DM-CVD Study Group Session

Chairs: Javier Muñoz. A Coruña. Spain & Oliver Schnell. Munich. Germany.

- *Diabetes and CVD: How to diagnose and treat.* Oliver Schnell. Munich. Germany.
- *Perspective of the diabetologist: Prevention of cardiovascular events in diabetes.* Bruno Vergès. Dijon. France.
- *Perspective of the cardiologist: Interventional strategies in diabetic cardiovascular disease.* Marco Roffi. Genève. Switzerland.

Oral communications:

1. *Diagnosis of new onset diabetes in patients with acute coronary syndrome.* Ángel Manuel Iniesta Manjavacas. Madrid. Spain.
2. *"Diabrisk-SL": a study of cardiometabolic risk in a young urban Srilankans and connection through lifestyle modification.* L. Vasantharajah. Colombo. Sri Lanka.
3. *Glycaemic status, diabetes, and cardiovascular risk. A new risk score for the aged Southern European population.* Rafael Gabriel. Madrid. Spain.

TRACK 2 - Session 2.2.2. (Milan meeting room)

Implementing a National Diabetes Prevention Program for High Risk Adults: What does it take? CDC session

Chairs: James Dunbar. Melbourne. Australia

1. *Necessary steps and lessons learned in building an effective diabetes prevention program with National reach:*
 - a. *Effective partnerships and coordination*
 - b. *Technology*

- c. *Business model*
- d. *Participant engagement*
- e. *Quality assurance*
- f. *Policies*
- g. *Continued testing of models for expanding reach.* Ann Albright, Deneen Votja, Tim Koehler. USA.

- *The European experience in implementing diabetes prevention programs.* Peter Schwarz. Dresden Germany.
- *Are the steps for building a national diabetes prevention program different around the world of are the steps implemented differently?* Richard Smith. U.K.

Oral communication:

1. *Preventing the progression to type 2 diabetes in adults at high risk: the production of nice public health guidance.* Hilary Chatterton, Alastair Fischer. London. UK.

Discussion and Q&A with the audience.

TRACK 3 - Session 2.3.2. (Venecia meeting room)

Overconsumption of sugar sweetened beverages as a marker of nutritional quality predicting Cardio-metabolic Risk

Chairs: Ruy López Ridaura. México &
Jean-Pierre Després. Québec. Canada.

- *Opening Remarks.* Ruy López Ridaura. México.
- *SSB's and Cardiometabolic Risk. Epidemiological Evidence.* Alain Golay. Genève. Switzerland.
- *SSB's and Cardiometabolic Risk: Mechanistic Insights.* Carmen Gómez Candela. Madrid. Spain.
- *Managing Abdominal Obesity and Cardiometabolic Risk Integrating SSB's in the Big Picture.* Jean-Pierre Després. Québec. Canada.
- *Conclusion.* Jean-Pierre Després. Québec. Canada

Oral communications:

1. *Both artificially sweetened and sugar sweetened beverages are associated with a risk of type 2 diabetes in the E3N cohort.* Guy Fagherazzi. Villejuif. France.
2. *Higher soda consumption is associated with an increased risk of diabetes incidence among Mexico city's adult cohort.* Maria Socorro Parra. Cuernavaca. Mexico.

13:00-14:30 Lunch / Poster session

Poster session 2.1. General

Chair: Agustín Gómez de la Cámara. Spain.

Poster session 2.2. Diabetes and Brain

Chair: Henri Tuomilehto. Finland.



Poster session 2.3. Nutrition

Chair: Linda Penn. U.K.

Poster session 2.4. Pharmacol. Strategies

Chair: Aleksandra Gilis-Januszevska. Poland.

Poster session 2.5. Physical activity and Obesity

Chair: Martha Daviglus. USA.

Poster session 2.6. Pregnancy

Chair: Edward Gregg USA.

Poster session 2.7. Primary Care

Chair: Xavier Cos. Spain.

14:30-16:00

TRACK 1 - Session 2.1.3. (Roma meeting room)

Controversies of glucose control on microvascular complications. ePREDICE session

Chair: Jaakko Tuomilehto & Rafael Gabriel.

- *Retinopathy.* Maribel López. Valladolid. Spain.
- *Nephropathy.* Jesús Egido. Madrid. Spain.
- *Endothelial and vascular function.* Andrea Natali. Pisa. Italy.
- *Sleep pattern.* Henri Tuomilehto. Kuopio. Finland.

Oral communications:

1. *Positive Effects of Angiotensin Receptor Blockers on the Course of Microvascular Complications of Diabetes Mellitus.* Avtandil Kipiani. Tbilisi. Georgia.

TRACK 2 - Session 2.2.3. (Milan meeting room)

Diabetes in Minorities

Chair: Arturo Fernández-Cruz. Madrid. Spain.

Introduction: Beatriz Rodríguez. Honolulu. USA.

Oral communications:

1. *A culturally appropriate lifestyle modification education intervention in at risk Indian and Bangladeshi migrant communities in Melbourne, Australia: lessons from a pilot study.* Gurjeet K. Gill. Melbourne. Australia.
2. *Physical activity level six months after a randomised controlled physical activity intervention for Pakistani immigrant men living in Norway.* Eivind Andersen. Oslo. Norway.
3. *Design and baseline characteristics of the podosa (Prevention of Diabetes & Obesity in South Asians) trial: a randomised lifestyle intervention in Indian and Pakistani adults with impaired glycaemia in Central Scotland.* Anne Douglas. Edinburgh. UK.
4. *The project VIVA - Minorias in Spain: diabetes, obesity, lifestyle, cardiovascular risk factor, metabolic syndrome and psychosocial factors in the immigrant population of Spain.* Saturio Vega. Avila. Spain.

5. *Usefulness of glycated hemoglobin (A1c) as a diagnostic test for diabetes in a high risk population - the Xavante Brazilian Indians.* Laercio J. Franco. São Paulo. Brazil.

6. *Changes in anthropometric measurements in Asian Indians enrolled in a lifestyle intervention program: six month results of the d-clip trial.* Mary Beth Weber. Atlanta. USA.

7. *Diabetes, obesity and other CVD risk factors in the study of latin population.* Martha Daviglus. Chicago. USA.

TRACK 3 - Session 2.3.3. (Venecia meeting room)

National Diabetes Prevention Programs. Latin-American countries (CYTED Session)

Chairs: Jordi Aguiló. Barcelona. Spain & Segundo Seclén. Lima. Perú.

- *Review. Epidemiology and Prevention of T2D in L-A countries.* Pablo Aschner. Bogotá. Colombia.
- *Evaluation of quality of diabetes care in Latin-American countries.* Ruy López Ridaura. México DF. Mexico.
- *Overview of the Diabetes Mexico City Study.* Clicerio González Villalpando. México DF. Mexico.

Oral communications:

1. *Glycosylated hemoglobin as a predictor of undiagnosed type 2 diabetes, the Mexico City diabetes study.* López-Molina Ruben. Cuernavaca. México.
2. *Vida Nueva- Detection and management of Gestational Diabetes in Barranquilla, Colombia.* Alma Solano. Barranquilla. Colombia.
3. *Evaluation of the Findrisk score as a screening tool for people with impaired glucose regulation in Latin America using modified score points for waist circumference according to the validated regional cutoff values for abdominal obesity.* Pablo Aschner. Bogotá. Colombia.
4. *Screening for people at high risk for type 2 diabetes in the DEMOJUAN (Demonstration area for primary prevention of type 2 diabetes, JUAN Mina and Barranquilla, Colombia) project.* Noel C. Barengo. Barranquilla, Colombia.

16:00-16:30 Coffee break. Visit exhibition and poster areas

16:30-17:30 Key Notes I (Roma meeting room)
 Gut Microbiota and the Pathogenesis of Insulin Resistance. Possible implication for Prevention or Managementt
(Danone Session)

Chair: Manuel Serrano-Ríos. Madrid. Spain.

Speaker: Francisco Guarner Barcelona, Spain.

Oral communications:

1. *The effectiveness of Diamel in the treatment of type 2 diabetic patients receiving insulin therapy: a randomized, controlled clinical trial.* Maria Elena de la Uz Herrera. Pinar del Río. Cuba.



2. *MA-PI macrobiotic diet intervention during 21 days in adults with type 2 diabetes mellitus, Rome 2012.* Francesco Fallucca. Rome. Italy.

Key Notes II (Milan meeting room)
Diabetes and mental health

Chair: Astrid Arrieta. Barranquilla. Colombia.

Speakers: *Diabetes, vascular factors and depression.*
Mika Kivimäki. London. UK.

Affective Disorders and Diabetes: bidirectional relationship. Laura Ferrando. Madrid. Spain.

Oral communications:

1. *Stress-Related Eating and Drinking Behavior and Body Mass Index Among 16-Year Old.* Nina Nevanpera. Oulu. Finland.

17:30-19:00

TRACK 1 - Session 2.1.4. (Roma meeting room)

Oral communications Miscellanea / General

Chairs: Clicerio González Villalpando. México &
Javier Muñiz. A Coruña. Spain.

1. *Long-term treatment with testosterone undecanoate injections results in substantial weight loss in hypogonadal men.* Farid Saad. Berlin. Germany.
2. *Changes in consumer awareness and understanding of type 2 diabetes between 2008 and 2012.* Jane Shill. Victoria. Australia.
3. *In vivo anti-diabetic activity of thujone in streptozotocin-induced diabetic rats.* Hakam Alkhateeb. Zarga. Jordan.
4. *Prevalence of hypertension in type 2 diabetes in urban settings in pakistan and its trend from 1972 - 2009.* Shirin Mirza. Islamabad. Pakistan.
5. *Safety and efficacy of empagliflozin as monotherapy or add-on to metformin in a 78-week open-label extension study in patients with type 2 diabetes.* Hans J. Woerle. Ingelheim. Germany.
6. *Therapeutic education and training of trainers, their role in the prevention of diabetes mellitus and its late complications.* Elena Shelestova. Tbilisi. Georgia.
7. *Societal correlates of hypertension and implications for policy.* Karen R. Siegel. Atlanta. Georgia.
8. *A comparative study on quality and actors associated with glycemic control among patients with type ii diabetes between a tertiary referral hospital and a district hospital in kenya.* Shillah Mwaniga Mwavua. Nairobi. Kenya.

TRACK 2 - Session 2.2.4. (Milan meeting room)

Experience of Diabetes Prevention Programs (North-America, Spain and Latin-America)

Chairs: Michael Pratt. Atlanta. USA & Pablo Aschner. Bogotá. Colombia.

Introduction: Michael Pratt.

- *Prevention Programs and Risk Stratification in the U.S.A. Progress Report.* Edward Gregg. Atlanta. USA.
- *Spanish Diabetes Strategy.* Isabel Peña Rey. Madrid. Spain.
- *Diabetes Prevention in Catalonia.* Xavier Cos. Barcelona. Spain.
- *Adapting the Finnish Diabetes Prevention experiences to Latin-America.* Noël Barengo. Mar del Plata. Argentina.

Oral communications:

1. *Ten years after the diabetes prevention program: lessons learned for community translation.* M. Kaye Kramer. Pittsburgh. USA.

Conclusions: Michael Pratt.

TRACK 3 - Session 2.3.4. (Venecia meeting room)

National Diabetes Prevention Programs. Europe and Middle-East countries

Chairs: Nathalie Vercruyse. Brussels. Belgium.
Alberto Calderón Montero. Madrid. Spain.

- *Overview of Diabetes/Obesity research in FP7 and Horizon 2020 Program.* Nathalie Vercruyse. Brussels. Belgium.
- *The Finnish National Type 2 Diabetes Prevention Programme (FIN-D2D).* Leena Moilanen. Kuopio. Finland.
- *MENA countries.* Mahmoud Ibrahim. Atlanta. USA & Cairo. Egypt.
- *Intervening in families in high prevalence populations.* David L Whitford. Manama. Bahrain.
- *IMAGE Global Diabetes Survey.* Peter Schwarz. Dresden. Germany.

Oral communications:

1. *Secular changes in glucose intolerance and cardiovascular risk factors over 20 years in sweden: results from the population-based vasterbotten intervention programme.* Grainne H. Long. Cambridge, UK.
2. *Intensive lifestyle intervention for prevention of type 2 diabetes in adults with impaired glucose tolerance: the European diabetes prevention study, a pooled analysis of three randomised controlled trials, from Finland, the Netherlands and the UK.* Linda Penn. Newcastle. UK.

19:00-19:15 Closing ceremony

Co-Chair: Jaakko Tuomilehto. Finland and Rafael Gabriel. Spain.

- **Presentation of the 8th WCPD Oslo 2014.** Akhtar Hussain. Norway.
- **Closing remarks:** Excmo. Sr. D. Javier Fernández-Lasquetty. Counselor of Health. Government of Madrid.

20:00

Gala dinner & Farewell party