

**European Diabetes
Epidemiology Group
(EDEG)**



56th Annual Meeting

PROGRAM

2 - 5 APRIL 2022

Creta Maris Hotel
Hersonissos, Crete

www.edeg2022.com

Final Program

Central European Summer Time (CEST)

Saturday 2nd April 2022

14.00-15.00 Registration

15.00-15.15 Welcome address

Chair EDEG Steering Committee: DORTE VISTISEN

Chairs of the local organizing committee: STAVROS LIATIS, KONSTANTINOS MAKRILAKIS

15.15-16.00 Plenary Session 1 - Cardiovascular outcomes trials in diabetes: The idolatry of the subgroup?

Prof. APOSTOLOS TSAPAS

Chairs: DORTE VISTISEN, STAVROS LIATIS

16.00-17.00 Oral presentations, session I – Covid-19 disease and Diabetes

Chairs: TO BE ANNOUNCED

THE CLINICAL COURSE OF COVID-19 IN DIABETES PATIENTS- A NATION-WIDE MULTISTATE MODELLING COHORT STUDY

Hanan Amadid, Steno Diabetes Center Copenhagen, Denmark

INCIDENCE OF TYPE 1 DIABETES AFTER SARS-CoV-2 INFECTION IN 123 382 CHILDREN

German Tapia, Norwegian Institute of Public Health, Norway

RELATIONSHIP BETWEEN DIABETES AND SEVERE FORMS OF COVID-19 IN HOSPITALIZED PATIENTS: THE CORONADO CASE-CONTROL STUDY

Matthieu Wargny, Nantes University Hospital, France

HAS THE COVID-19 PANDEMIC AFFECTED THE INCIDENCE OF TYPE 1 DIABETES? DATA FROM THE POPULATION-BASED REGISTRY OF MARCHE REGION, ITALY

Rosaria Gesuita, Centre of Epidemiology and Biostatistics, Polytechnic University of Marche, Italy

17.00-17.30 Coffee break

17.30-18.30 Oral presentations, session II – Diabetes and comorbid factors

Chairs: TO BE ANNOUNCED

A NATIONWIDE STUDY OF THE EFFECTIVENESS OF DETECTING COLORECTAL CANCER WHEN IMPLEMENTING COLORECTAL CANCER SCREENING IN INDIVIDUALS WITH DIABETES

Tinne Laurberg, Steno Diabetes Center Aarhus, Aarhus University Hospital, Denmark

EFFECT OF COGNITIVE BEHAVIORAL THERAPY FOR INSOMNIA ON METABOLIC OUTCOMES IN PEOPLE WITH TYPE 2 DIABETES AND INSOMNIA COMPARED TO CARE AS USUAL: A RANDOMIZED CONTROLLED TRIAL

Lenka Groeneveld, Amsterdam UMC, location VUmc, The Netherlands

QUALITY OF DIABETES CARE IN PEOPLE WITH AND WITHOUT PRIOR HOSPITALIZATION FOR SERIOUS MENTAL ILLNESS: A SCOTTISH NATIONWIDE STUDY

Stine Scheuer, Steno Diabetes Center Copenhagen, Denmark

QUALITY OF DIABETES CARE AMONG PERSONS WITH TYPE 2 DIABETES WITH AND WITHOUT SEVERE MENTAL ILLNESS

Lenette Knudsen, Steno Diabetes Center Copenhagen, Denmark

Saturday 2nd April 2022

18.30-19.00 **EDEG Business meeting - General assembly**

Chairs: DORTE VISTISEN

19.00-20.00 **Poster session I – Diabetes in the young age**

Chairs: TO BE ANNOUNCED

THE PRESENCE AND EXTENT OF MICROVASCULAR DISEASE IS INDEPENDENTLY ASSOCIATED WITH SUBCLINICAL ATHEROSCLEROSIS IN PATIENTS WITH TYPE 1 DIABETES

Aikaterini Barmpagianni, *First Department of Propaedeutic Medicine, Laiko General Hospital, Medical School, National and Kapodistrian University of Athens, Greece*

EXTRA SMALL HDL PARTICLE CONCENTRATION PREDICTS INCIDENT ISCHEMIC STROKE IN TYPE 1 DIABETES

Tina Costacou, *University of Pittsburgh, USA*

VITAMIN A CONSUMPTION IN PREGNANCY AND RISK OF OFFSPRING TYPE 1 DIABETES

Nicolai A. Lund-Blix, *Norwegian Institute of Public Health, Norway*

EFFECTS OF PUMP TREATMENT ON ENDOTHELIAL GLYCOCALYX AND CARDIOVASCULAR FUNCTION COMPARED TO MULTIPLE DAILY INSULIN INJECTIONS IN PATIENTS WITH TYPE 1 DIABETES: IMPROVEMENT AFTER A SIX-MONTH TREATMENT

Aikaterini Kountouri, *General University Attikon Hospital, Greece*

FERTILITY AMONG WOMEN WITH TYPE 1 OR TYPE 2 DIABETES

Gunnar Toft, *Steno Diabetes Center Aarhus, Aarhus University Hospital, Denmark*

TIME IN RANGE (TIR) METRICS AND ITS ASSOCIATION WITH GLYCATED HAEMOGLOBIN IN ROUTINE CLINICAL PRACTICE

Purvi Chawla, *Lina Diabetes Care Centre, India*

END-STAGE RENAL DISEASE: INCIDENCE AND PREDICTION BY CORONARY HEART DISEASE, AND EDUCATIONAL LEVEL. FOLLOW-UP FROM DIAGNOSIS OF CHILDHOOD-ONSET TYPE 1 DIABETES THROUGHOUT NORWAY 1973-2017

Maryam Saeed, *Division of Pediatric and Adolescent Medicine, Oslo University Hospital, Norway*

ASSOCIATIONS OF BIRTH WEIGHT WITH BODY COMPOSITION AND CARDIOMETABOLIC RISK. MARKERS IN CHILDREN AGED 8-12 YEARS: THE IABC STUDY

Soboka Megersa Bikila, *University of Copenhagen, Denmark*

SCOPING REVIEW OF TWO DECADES OF PUBLICATIONS FOR OUTCOMES OF GLUTEN-FREE DIET ON DOUBLE DISEASE OF TYPE 1 DIABETES AND COELIAC DISEASE

Meena Chhabra, *Diabetic Care Centre, Delhi and Visiting Consultant Sir Gangaram Hospital Delhi, India*

20.00

Welcome dinner

Sunday 3rd April 2022

09.00-09.45 **Plenary Session 2 - The scope for a precision medicine approach to the treatment of type 2 diabetes**

Dr. JOHN DENNIS

Chair: MATTIAS SCHULZE, FRANCIS FINUCANE

09.45-11.15 **Oral presentations, session III – Diabetes incidence**

Chairs: TO BE ANNOUNCED

DIFFERENTIAL IMPACT OF FAMILY HISTORY OF TYPE 1 DIABETES ON INCIDENCE OF ISLET AUTOIMMUNITY AND PROGRESSION TO CLINICAL TYPE 1 DIABETES: THE MIDIA STUDY

Lars C. Stene, Norwegian Institute of Public Health, Norway

LOW BIRTH WEIGHT IS ASSOCIATED WITH A NON-GENETIC HIGHER INCIDENCE RATE OF TYPE 2 DIABETES

Rasmus Wibaek, Steno Diabetes Center Copenhagen, Denmark

MATERNAL SMOKING DURING PREGNANCY AND TYPE 1 DIABETES IN THE OFFSPRING: A NATIONWIDE REGISTER-BASED STUDY WITH FAMILY-BASED DESIGNS

Yuxia Wei, Karolinska Institutet, Sweden

PLASMA IMMUNOGLOBULIN G N-GLYCOSYLATION PATTERNS ARE ASSOCIATED WITH INCIDENT TYPE 2 DIABETES AND CARDIOVASCULAR DISEASE: EPIC-POTSDAM STUDY

Anna Birukov, German Institute of Human Nutrition Potsdam-Rehbruecke, Germany

TRENDS IN TYPE 1 DIABETES INCIDENCE IN SCOTLAND BETWEEN 2006 AND 2019

Sarah Wild, University of Edinburgh, United Kingdom

INTERACTION BETWEEN DAIRY PRODUCT INTAKE OR PHOSPHOLIPID ODD CHAIN FATTY ACIDS AND GAD65 AUTOANTIBODIES ON THE INCIDENCE OF ADULT-ONSET DIABETES

Anna-Maria Lampousi, Institute of Environmental Medicine, Karolinska Institutet, Sweden

11.15-11.45 **Coffee break**

11.45-13.00 Poster session II – Diabetes management

Chairs: TO BE ANNOUNCED

PATTERNS OF REFERRAL, PATIENT PATHWAYS AND CHANGES IN HBA1C IN SPECIALIST CARE FOR PATIENTS WITH TYPE 2 DIABETES

Kjersti Nøkleby, *University of Oslo, Norway*

THE EFFECT OF THREE-MONTH TREATMENT WITH GLUCAGON-LIKE PEPTIDE-1 RECEPTOR AGONISTS OR SODIUM-GLUCOSE CONTRASPORTER-2 INHIBITORS ON ENDOTHELIAL AND VASCULAR FUNCTION IN PATIENTS WITH TYPE 2 DIABETES MELLITUS AND STROKE

Aikaterini Kountouri, *General University Attikon Hospital, Greece*

COMPARING DIABETES CARE OUTCOMES OF THE CENTRALLY ORGANIZED HOORN. DIABETES CARE SYSTEM WITH REGULAR CARE BY GENERAL PRACTITIONERS IN THE NETHERLANDS

Marieke Blom, *Amsterdam UMC, Vrije Universiteit Amsterdam, Department of General Practice, Amsterdam Public Health research institute, The Netherlands*

THE EFFECT OF COMBINED DULAGLUTIDE-DAPAGLIFLOZIN TREATMENT VS DPP4 INHIBITORS ON ARTERIAL STIFFNESS AND ALBUMINURIA IN PATIENTS WITH TYPE 2 DIABETES MELLITUS

Emmanouil Korakas, *Second Department of Internal Medicine and Research Institute, Medical School, Attikon University Hospital, National and Kapodistrian University of Athens, Greece*

VALIDATION OF AN ANNOUNCED TELEPHONE PILL COUNT COMPARED TO A HOME-VISIT PILL COUNT IN PEOPLE WITH TYPE 2 DIABETES OR CARDIOVASCULAR DISEASE

Marlous Langendoen-Gort, *Amsterdam UMC, Vrije Universiteit Amsterdam, Department of General Practice, Amsterdam Public Health Research Institute, The Netherlands*

THE DIABETES, MANAGEMENT AND TREATMENT (DIAMANT) COHORT: A DYNAMIC PROSPECTIVE COHORT OF PATIENTS WITH DIABETES TREATED IN PRIMARY CARE IN THE NETHERLANDS

Karin Swart, *PHARMO Institute for Drug Outcomes Research, The Netherlands*

PREMIX ANALOG INSULIN REGIMEN IS A PRAGMATIC APPROACH IN PATIENTS WITH T 2 DM WITH MILD TO MODERATE COVID 19 MANAGED THROUGH TELECONSULTATIONS

Rajeev Chawla, *North Delhi Diabetes Centre, India*

A BAYESIAN SEMI-PARAMETRIC APPROACH TO HANDLE MISSING DATA WITH APPLICATION TO A TREATMENT SELECTION MODEL IN TYPE 2 DIABETES

Pedro Cardoso, *University of Exeter, United Kingdom*

ASSOCIATION OF THE PROGNOSTIC BIOMARKERS FOR COVID-19 WITH GRADE OF HYPERGLYCEMIA IN T 2 DM WITH MILD TO MODERATE COVID 19 MANAGED THROUGH TELECONSULTATIONS- A TWO CENTRE COHORT STUDY

Shalini Jaggi, *Lifecare Diabetes Centre Kirti Nagar, New Delhi, India*

CONTINUUM OF CARE WITH SGLT2 INHIBITORS IN PATIENTS WITH T2 DM WITH COVID-19 MANAGED THROUGH TELECONSULTATIONS

Shalini Jaggi, *Lifecare Diabetes Centre Kirti Nagar, New Delhi, India*

CARDIOMETABOLIC EFFECTS OF PHARMACEUTICAL TREATMENT FOR OBESITY: 3 MONTHS DATA FROM A PROSPECTIVE STUDY OF NALTREXONE/BUPROPION VS. LIRAGLUTIDE 3 MG ADMINISTRATION IN PATIENTS WITH INCREASED BODY WEIGHT

Georgia Argyrakopoulou, *Diabetes and Obesity Unit, Athens Medical Center, Greece*

PATIENT-REPORTED OUTCOME MEASURES FOR ASSESSING HEALTH-RELATED QUALITY OF LIFE IN PEOPLE WITH TYPE 2 DIABETES: A SYSTEMATIC REVIEW

Femke Rutters, *Department of Epidemiology & Biostatistics, Amsterdam University Medical Center, the Netherlands*

Sunday 3rd April 2022

13.00 *Lunch*

14.00-15.30 **Oral presentations, session IV – Treatment and follow-up of diabetes**

Chairs: TO BE ANNOUNCED

TRAJECTORIES OF CLINICAL CHARACTERISTICS, TREATMENT CHOICES, AND COMPLICATIONS IN DATA-DRIVEN SUBGROUPS OF TYPE 2 DIABETES

Xinyu Li, University of Groningen, The Netherlands

STENO-2 IMPACT STUDY: DOES THE SUCCESS OF STENO-2 TRIAL LED TO A CHANGE IN CLINICAL PRACTICE IN TREATING TYPE 2 DIABETES PATIENTS WITH MICROALBUMINURIA USING MULTIFACTORIAL PHARMACOLOGICAL INTERVENTION?

Lam Opal Huang, Steno Diabetes Center Copenhagen, Denmark

SODIUM-GLUCOSE COTRANSPORTER 2 INHIBITORS AS ADJUNCT THERAPY FOR TYPE 1 DIABETES AND THE BENEFIT ON CARDIOVASCULAR AND RENAL DISEASE EVALUATED BY STENO RISK ENGINES

Elisabeth Buur Stougaard, Steno Diabetes Center Copenhagen, Denmark

FACTORS AFFECTING CONTINUOUS PARTICIPATION IN FOLLOW-UP EVALUATIONS DURING A LIFESTYLE INTERVENTION PROGRAM TO PREVENT TYPE 2 DIABETES: THE FEEL4DIABETES- STUDY

Elias Kourpas, University of Delaware, USA

SETTING THE OPTIMAL SCREENING INTERVAL FOR DIABETIC RETINOPATHY USING AN INDIVIDUALIZED APPROACH

Stine Byberg, Steno Diabetes Center Copenhagen, Denmark

THE ASSOCIATION BETWEEN PRE-RAMADAN DIABETES EDUCATION AND METABOLIC PARAMETERS IN MUSLIMS WITH TYPE 2 DIABETES: A RETROSPECTIVE STUDY

Siham Bouchareb, Department of General Practice, Amsterdam Public Health research institute, Amsterdam UMC, Vrije Universiteit Amsterdam, The Netherlands

15.30-16.30 Poster session III – DIABETES AND LIFESTYLE

Chairs: TO BE ANNOUNCED

ADHERENCE TO THE DUTCH HEALTHY DIET INDEX AND CHANGE IN GLYCEMIX CONTROL AND CARDIOMETABOLIC MARKERS IN PEOPLE WITH TYPE 2 DIABETES

Nicole den Braver, *Amsterdam UMC, Amsterdam Public Health Research Institute, The Netherlands*

PHYSICAL ACTIVITY AND DIASTOLIC DYSFUNCTION IN PEOPLE WITH TYPE 2 DIABETES

Anna Hoek, *Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Epidemiology & Data Science, The Netherlands*

CHANGES IN OBJECTIVELY MEASURED PHYSICAL ACTIVITY ENERGY EXPENDITURE DURING A STRUCTURED AEROBIC EXERCISE INTERVENTION IN HEALTHY OLDER ADULTS: THE HERTFORDSHIRE PHYSICAL ACTIVITY TRIAL

Francis Finucane, *National University of Ireland Galway, Ireland*

A COMPREHENSIVE LIFESTYLE INDEX AND ITS ASSOCIATIONS WITH DNA METHYLATION AND TYPE 2 DIABETES AMONG GHANAIAAN ADULTS UNDER TRANSITION: THE RODAM STUDY

Carol Abidha, *Heidelbrg Institute of Global Health, Heidelberg University Hospital, Germany*

LOW-CARB, HIGH-FAT DIET AND ASSOCIATIONS WITH GLYCAEMIC CONTROL AND DIABETIC COMPLICATIONS AMONG GHANAIAANS: THE RODAM STUDY

Tracy B Osei, *Heidelberg Institute of Global Health (HIGH), Faculty of Medicine and University Hospital, Heidelberg University, Germany*

SYSTEMATIC REVIEW OF DIET QUALITY SCORES INCLUDING DIET DIVERSITY IN RELATION TO TYPE 2 DIABETES AMONG OTHER CHRONIC DISEASES AND MORTALITY IN HEALTHY ADULTS

Daniela Nickel, *Department of Molecular Epidemiology, German Institute of Human Nutrition Potsdam-Rehbruecke, Germany*

THE INTERACTION BETWEEN THE COMMUNITY FOOD ENVIRONMENT AND COOKING SKILLS IN RELATION TO DIET-RELATED OUTCOMES

Noreen Siddiqui, *Amsterdam UMC, location VUmc, The Netherlands*

THE ASSOCIATION OF VITAL EXHAUSTION AND BURNOUT WITH THE METABOLIC SYNDROME: A SYSTEMATIC REVIEW AND META-ANALYSIS

Sanne Kremers, *Amsterdam University Medical Centre, location VU medical Centre, Department of Epidemiology and Datascience, The Netherlands*

THE ASSOCIATION BETWEEN SOCIAL JETLAG AND THE METABOLIC SYNDROME AND TYPE 2 DIABETES: A SYSTEMATIC REVIEW AND META-ANALYSIS

Emma Bouman, *Amsterdam UMC, The Netherlands*

19.00

Dinner

Monday 4th April 2022

09.00-09.45 **Plenary Session 3 - Diabetes Epidemiology in Practice**

Prof. GIEL NIJPELS

Chairs: KONSTANTINOS MAKRILAKIS, FEMKE RUTTERS

09.45-11.15 **Oral presentations, session V – Burden of diabetes and its complications**

Chairs: TO BE ANNOUNCED

CLINICAL CHARACTERISTICS ASSOCIATED WITH SUDDEN CARDIAC ARREST IN PEOPLE WITH TYPE 2 DIABETES: A CASE-CONTROL STUDY ON PRIMARY CARE DATA

Peter Harms, Amsterdam UMC, The Netherland

LIFETIME RISK, LIFE EXPECTANCY AND YEARS OF LIFE LOST TO TYPE 2 DIABETES IN A GLOBAL MODELLING STUDY OF SIX COUNTRIES

Dianna Magliano, Baker Heart and Diabetes Institute, Australia

LIFE EXPECTANCY FOLLOWING FIRST CARDIOVASCULAR EVENT IN PATIENTS WITH AND WITHOUT TYPE 2 DIABETES: A UK MULTI-ETHNIC POPULATION-BASED OBSERVATIONAL STUDY

Yogini Chudasama, Leicester Real World Evidence Unit, Diabetes Research Centre, Leicester General Hospital, University of Leicester, United Kingdom

MEN WITH YOUNG ONSET TYPE 2 DIABETES DEVELOP RETINOPATHY AT AN EARLIER AGE AND SOONER AFTER DIAGNOSIS THAN WOMEN

Katrina Tibballs, Department of General Practice, Institute of Health and Society, Faculty of Medicine, University of Oslo, Norway

CARDIOVASCULAR COMPLICATIONS IN TYPE 2 DIABETES BEFORE AND AFTER DIAGNOSIS: IMPACT ON EXPECTED LIFETIME AND TRENDS 1996-2020

Kim Katrine Bjerring Clemmensen, Steno Diabetes Center Copenhagen, Denmark

HUGE INCREASE IN DKA AND SEVERE DKA AT THE ONSET OF TYPE 1 DIABETES IN ITALY IN 2020: A SILENT EPIDEMIC

Valentino Cherubini, Department of Women's and Children's Health Azienda Ospedaliero-Universitaria, Ospedali Riuniti di Ancona, Italy

11.15-11.45 **Coffee break**

11.45-13.15 **Poster session IV – Cardiometabolic risk and incidence/prevalence of type 2 diabetes**

Chairs: TO BE ANNOUNCED

PLASMA INDUSTRIAL AND RUMINANT TRANS FATTY ACIDS AND INCIDENT TYPE 2 DIABETES IN THE EPIC-POTSDAM COHORT

Marcela Prada, German Institute of Human Nutrition, Germany

GENDER DIFFERENCES IN SCREENING FOR GLUCOSE PERTURBATIONS, CARDIOVASCULAR RISK FACTOR MANAGEMENT, AND PROGNOSIS IN PATIENTS WITH CORONARY ARTERY DISEASE AND DYSGLYCAEMIA

Jaakko Tuomilehto, Finnish Institute for Health and Welfare, Finland

TRENDS IN THE PREVALENCE AND INCIDENCE OF PREDIABETES AMONG IMMIGRANTS IN ONTARIO, CANADA, 2011-2017

Ghazal Fazli, Unity Health Toronto, Canada

TYPE 2 DIABETES, THE EPIDEMIC: TRENDS IN PREVALENCE, TREATMENT AND RISK-FACTOR CONTROL, 2004-2019

Jetty Overbeek, *PHARMO Institute for Drug Outcomes Research, The Netherlands*

PLASMA RETINOL AND RETINOL BINDING PROTEIN 4 LEVELS AND RISK OF CARDIOVASCULAR DISEASES AND TYPE 2 DIABETES

Catarina Schiborn, *German Institute of Human Nutrition, Potsdam-Rehbruecke, Germany*

BODY MASS INDEX AND OBESITY: ACCURACY AND PREDICTION BASED ON SELF-REPORTED WEIGHT AND HEIGHT IN A NATIONWIDE HEALTH EXAMINATION SURVEY IN GREECE

Nikos Pantazis, *Department of Hygiene, Epidemiology and Medical Statistics, School of Medicine, National and Kapodistrian University of Athens, Greece*

THE ENTERO-ENDOCRINE RESPONSE FOLLOWING A MIXED-MEAL CHALLENGE WITH A NON-NUTRITIVE PRE-LOAD IN PARTICIPANTS WITH PRE-DIABETES AND TYPE 2 DIABETES: A CROSSOVER RANDOMIZED CONTROLLED TRIAL

Mirthe Mulwijk, *Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Epidemiology & Datascience, The Netherlands*

OBESITY IN ADULTS LIVING IN GREECE: PREVALENCE, FACTORS ASSOCIATED WITH AND ITS CONTRIBUTION TO CARDIOVASCULAR RISK FACTORS' CLUSTERING

Giota Touloumi, *Dept. of Hygiene, Epidemiology & Medical Statistics, Medical School, National & Kapodistrian University of Athens, Greece*

BODY MASS INDEX AND PREVALENCE OF OBESITY IN PATIENTS WITH TYPE 2 DIABETES MELLITUS. A COMPARISON OVER THE LAST 20 YEARS

Stamatia Simati, *First Department of Propaedeutic Medicine, Diabetes Center, Laiko Hospital, Medical School, National & Kapodistrian University of Athens, Greece*

DIABETES MELLITUS TYPE 2 AND OTHER MODIFIABLE RISK FACTORS AMONG PATIENTS HOSPITALIZED FOR ACUTE CORONARY SYNDROME IN A TERTIARY HOSPITAL DURING ONE-YEAR PERIOD

Chris Sifarakas, *Laiko General Hospital of Athens, Greece*

LONGITUDINAL CHANGES IN BLOOD BIOMARKERS FOR THE PREDICTION OF TYPE 2 DIABETES RISK IN DANISH BLOOD DONORS: A RETROSPECTIVE CASE-COHORT STUDY

Agnete Lundgaard, *University of Copenhagen, Novo Nordisk Foundation Center for Protein Research, Denmark*

UNIVERSAL SCREENING FOR HYPERGLYCEMIA BASED ON RANDOM BLOOD GLUCOSE WITH MINIMALIST RESOURCE UTILISATION

Purvi Chawla, *Lina Diabetes Care Centre, India*

CORRELATION OF TRIGLYCERIDE GLUCOSE INDEX WITH VARIED METABOLIC BIOMARKERS IN NEWLY DIAGNOSED TYPE 2 DIABETICS

Shivam Kapoor, *Max Hospital Delhi, India*

PREDICTING SUDDEN CARDIAC DEATH IN THE GENERAL POPULATION: VALIDATION OF A PREDICTION MODEL FOR THE OCCURRENCE OF SUDDEN CARDIAC DEATH IN THE GENERAL POPULATION: THE ESCAPE-NET PROJECT

Sabrina Welten, *Amsterdam Public Health research institute, The Netherlands*

Monday 4th April 2022

15.15-16.00 Plenary Session 4 - Type 2 Diabetes in Youth

Prof. DANA DABELEA

Chairs: JEAN LAWRENCE, DORTE VISTISEN

15.15-16.45 Oral presentations VI – Predictors of diabetes

Chairs: TO BE ANNOUNCED

DNA METHYLATION MEDIATES THE RELATIONSHIP BETWEEN FAMILY HISTORY OF TYPE 1 DIABETES (T1D) AND T1D RISK: THE DIABETES AUTOIMMUNITY STUDY IN THE YOUNG (DAISY)

Jill Norris, Colorado School of Public Health, USA

METABOLOMIC PREDICTORS OF DYSGLYCEMIA IN TWO YOUTH COHORTS: EXPLORING PERINATAL OUTCOMES AMONG CHILDREN AND PROJECT VIVA

Wei Perng, Colorado School of Public Health, USA

ASSOCIATIONS BETWEEN PARENTAL BMI AND OFFSPRING BMI TRAJECTORIES-POTENTIAL EFFECT MODIFICATION BY GRANDPARENTAL SOCIO-ECONOMIC POSITION

Jie Zhang, Aarhus University, Denmark

DOMAIN OF PHYSICAL ACTIVITY MATTERS FOR RISK OF TYPE 2 DIABETES

Jeroen van der Velde, Department of clinical epidemiology, Leiden University Medical Center, The Netherland

ASSOCIATIONS OF LONGITUDINAL CHANGES OF DIETARY PATTERNS AND RISK OF TYPE 2 DIABETES AND CARDIOVASCULAR DISEASES IN THE EPIC-POTSDAM STUDY

Franziska Jannasch, Department of Molecular Epidemiology, German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE), Germany

INTERACTION BETWEEN TOBACCO USE AND TYPE 2 GENETIC SUSCEPTIBILITY IN THE RISK OF T2D AND LADA

Jessica Edstorp, Karolinska Institutet, Sweden

16.45-17.15 Coffee break

17.15-18.15 Poster session V – Complications of diabetes

Chairs: TO BE ANNOUNCED

INTERLEUKIN 6 AND INCIDENT HEART FAILURE IN PERSONS WITH TYPE 2 DIABETES: THE HOORN DIABETES CARE SYSTEM COHOR

Sharon Remmelzwaal, Department of Epidemiology & Data Science, Amsterdam Public Health Research Institute, Amsterdam Cardiovascular Sciences Research Institute, Amsterdam UMC, location VUmc, Amsterdam, the Netherlands

DYSGLYCAEMIA IS ASSOCIATED WITH LOW BLOOD OXYGEN SATURATION IN INDIVIDUALS WITH AND WITHOUT DIABETES OR PREDIABETES: A CROSS-SECTIONAL STUDY IN THE LOLLAND-FALSTER HEALTH STUDY COHORT

Jens Christian Laursen, Steno Diabetes Center Copenhagen, Denmark

DEVELOPMENT IN KIDNEY FUNCTION AMONG PEOPLE WITH DIABETES AND NEPHROPATHY: A RETROSPECTIVE COHORT STUDY

Kristin Jesse, Steno Diabetes Center Copenhagen, Denmark

Monday 4th April 2022

ESTIMATING LIFE EXPECTANCY AND YEARS OF LIFE LOST IN EPIDEMIOLOGICAL STUDIES: A REVIEW OF METHODS USING AN EXAMPLE FROM MULTIMORBIDITY

Yogini Chudasama, *Leicester Real World Evidence Unit, Diabetes Research Centre, Leicester General Hospital, University of Leicester, Leicester, United Kingdom*

INCIDENCE AND PREVALENCE OF DIABETIC RETINOPATHY IN THE GREENLANDIC INUIT: A REGISTER-BASED STUDY

Stine Byberg, *Steno Diabetes Center Copenhagen, Denmark*

EFFECT OF THE SECOND COVID-19-ASSOCIATED LOCKDOWN ON THE METABOLIC CONTROL OF PATIENTS WITH TYPE 2 DIABETES IN GREECE

Vasilis Tsimihodimos, *Department of Internal Medicine, Scholl of Medicine, University of Ioannina, Greece*

KIDNEY FUNCTION AND RISK OF DEMENTIA: OBSERVATIONAL STUDY, META-ANALYSIS AND TWO-SAMPLE MENDELIAN RANDOMIZATION STUDY

Alisa Kjaergaard, *Steno Diabetes Center Aarhus, Denmark*

SEX-DIFFERENCES IN DEPRESSIVE SYMPTOMS AND DIABETES IN MEXICO. FINDINGS FROM ENSANUT 2018-19

Omar Silverman-Retana, *Aarhus University, Steno Diabetes Center Aarhus and Danish Diabetes Academy, Denmark*

THE IMPACT OF COUNTRY OF BIRTH ON DEVELOPMENT OF DIABETIC LATE COMPLICATIONS IN YOUNGER ADULTS WITH EARLY-ONSET TYPE 2 DIABETES: A REGISTRY-BASED STUDY

Kristine Stoltenberg Addington, *Steno Diabetes Center Copenhagen, Denmark*

18.15-18.45 **Oral presentations VII – Diabetes prevalence and subtypes**

Chairs: TO BE ANNOUNCED

PREVALENCE OF UNDIAGNOSED DIABETES IN POPULATION-BASED STUDIES BY NATIONAL HEALTH AND ECONOMIC METRICS: A SYSTEMATIC REVIEW

Paz Lopez-Doriga Ruiz, *Department of Chronic Diseases, Norwegian Institute of Public Health, Norway*

NOVEL SUBGROUPS OF ADULT-ONSET DIABETES IN GHANAIAN POPULATIONS. A DATA-DRIVEN CLUSTER ANALYSIS WITH CLINICAL VARIABLES

Ina Danquah, *Heidelberg Institute of Global Health (HIGH), Faculty of Medicine and University Hospital, Heidelberg University, Germany*

18.45-19.00 **Closing remarks**

KONSTANTINOS MAKRILAKIS, DORTE VISTISEN

19.30

Gala dinner

Tuesday 5th April 2022

Check-out and departures

INVITED SPEAKERS

DANA DABELEA

MD, PhD, Conrad M. Riley Professor of Epidemiology and Pediatrics, Director, LEAD Center, Colorado School of Public Health, Anschutz Medical Campus

JOHN DENNIS

PhD, Senior Research Fellow, University of Exeter Medical School

GIEL NIJPELS

Professor Emeritus, APH – Health Behaviors & Chronic Diseases, Visiting Fellow, General Practice/Family Medicine, University Medical Centers, Amsterdam Umc

APOSTOLOS TSAPAS

Professor of Medicine and Diabetes, Director of the Second Medical Department, Aristotle University Thessaloniki, Cruddas Link Fellow, Harris Manchester College, University of Oxford

CHAIRS

FRANCIS FINUCANE

Consultant endocrinologist, Galway University Hospitals, Honorary personal professor in medicine at NUI Galway, Ireland

JEAN LAWRENCE

Program Director, Diabetes Epidemiology, Division of Diabetes, Endocrinology and Metabolic Diseases, National Institute of Diabetes and Digestive and Kidney, Diseases (NIDDK), Bethesda, Maryland, USA

STAVROS LIATIS

NHS Director, Internal Medicine and Diabetes Consultant, “Laiko”, General Hospital, National and Kapodistri-an University of Athens, Greece

KONSTANTINOS MAKRILAKIS

Professor of Internal Medicine, Diabetes Consultant, “Laiko” General Hospital, National and Kapodistrian University of Athens, Greece

FEMKE RUTTERS

Assistant Professor, Department of Epidemiology & Biostatistics, Amsterdam University Medical Center, the Netherlands

MATTIAS SCHULZE

Professor, Head of the Department of Molecular Epidemiology, German Institute of Human Nutrition Potsdam-Rehbruecke, Germany

DORTE VISTISEN

MSc, PhD, Associate professor, Head of Clinical Epidemiological Research, Steno Diabetes Center Copenhagen, Clinical Research, Denmark