

SCIENTIFIC PROGRAM

Thursday, February 25, 2010

Conference opening

13:45-14:00

Session 1: Early detection and prevention of heart disease

14:00-18:00

Part I – Chairs: Enrico Agabiti Rosei and Robert Phillips

Functional and structural biomarkers for early detection of cardiovascular disease, what are the most predictive?

Speaker: Daniel A. Duprez

The role of cardiac imaging in early detection of heart disease

Speaker: Jeanette Schulz-Menger

Early detection and prevention of cardiac dysrhythmias

Speaker: Paulus F. Kirchhof

Sudden death – a preventable occurrence?

Speaker: Amos Katz

Part II – Chairs: Daniel A. Duprez and Paulus F. Kirchhof

Free communications

Aspirin as primary prevention of cardiovascular events in diabetics

Speaker: Lorraine G. Almelor

Risk factors in young adults predict atherosclerosis and heart failure 15-20 years later: The CARDIA study

Speaker: Stephen Hulley

An innovative respiratory stress test for detection of coronary artery disease

Speaker: Amos Katz

Mini-symposium: Detection of unstable versus stable atherosclerotic plaque

Speaker: Mat Daemen

Speaker: Henrik Sillesen

Panel discussion

Regression of preclinical organ damage in hypertension and prevention of cardiovascular events, is there a difference among cardiovascular antihypertensive drugs?

Speaker: Enrico Agabiti Rosei

Friday, February 26, 2010

Session 2: Early detection and prevention of hypertension

09:00-13:00

Part I – Chair: Fridreech C. Luft and Carlos Ferrario

Genetic tools to identify genetic susceptibility and predict the development of hypertension

Speaker: Heribert Schunkert

Epidemiological tools to identify genetic susceptibility and predict the development of hypertension

Speaker: Tobias Pischon

Pre-hypertension: Time for intervention?

Speaker: Ernesto L. Schiffrin

Part II – Chairs: Ernesto L. Schiffrin and Joshua Weissgarten

Free communications

Rise in systolic blood pressure over 30 mmHg after mild exercise as a new marker for early cardiovascular disease risk stratification in asymptomatic normotensive patients regardless of sex

Speaker: Mahfouz El Shahawy

Diastolic and endothelial dysfunction are associated with insulin resistance, but not with aldosterone level in normotensive offspring of hypertensive families

Speaker: Bogomir Zizek

Forgotten women: Pre-eclampsia is a window of opportunity for early disease detection and prevention of non-pregnant cardiovascular disease

Speaker: Fiona Broughton Pipkin

Can repeated blood pressure measurements provide a biomarker for arterial aging?

Speaker: Benjamin Gavish

Healthy blood vessels – a non-existent entity?

Speaker: Reuven Zimlichman

Oxidative stress and mitochondrial function: Predictors of cardiovascular and metabolic disease?

Speaker: Salvatore Moncada

Friday, February 26, 2010

**Session 3: Early detection and prevention of kidney disease
14:00-18:00**

Part I – Chairs: Reinhold Kreutz and Barry I. Freedman

Established markers to predict renal disease

Speaker: Paul E. de Jong

Role of new biomarkers and novel tools to predict and prevent renal disease

Speaker: Joseph V. Bonventre

Free communications

**B-type natriuretic peptide predicts 12-month renal replacement therapy
requirement in CKD patients**

Speaker: Dominique Guerrot

**Association between the CNDP1 gene and diabetic nephropathy is stronger in early
stages of diabetic nephropathy**

Speaker: Antien Mooyaart

**A disturbed circadian pattern of water excretion is associated with a blunted insulin
secretion and nocturnal dipping of blood pressure in subjects with metabolic
syndrome**

Speaker: Dominique Guerrot

Part II – Chairs: Steve Scheinman and Lise Bankir

**Diabetic cardiovascular disease predicts chronic kidney disease awareness in the
kidney early evaluation program**

Speaker: Adam Whaley-Connell

Predicting cardiovascular disease by focusing on the cardio-renal axis

Speaker: Reinhold Kreutz

Role of genetics / genomics in predicting and preventing renal disease

Speaker: Barry I. Freedman

Saturday, February 27, 2010

Session 4: Early detection and prevention of diabetes
09:00-13:00

Part I Chairs: Mark Cooper and Bastiaan deGalan

Clinical, epidemiological and genetic tools to identify susceptibility and predict the development of diabetes

Speaker: Mark E. Cooper

Can novel biomarkers predict the development of end-organ damage in diabetes and can it be prevented?

Speaker: Karin Jandeleit – Dahm

Accord and Advance trials in preventing cardiovascular and cerebrovascular complications of diabetes – aims, results and implications

Speaker: Bastiaan deGalan

The role of pharmacological measures in preventing the evolution of diabetes in the susceptible individual

Speaker: Adam Whaley-Connell

Part II – Chair: Hermann Haller and Eberhard Ritz

Roadmap symposium

Topic 1: Albuminuria as a risk factor and a tool to assess target organ damage

Topic 2: Results of the road map study: Implications for the prevention of diabetic renal disease

Speaker: Eberhard Ritz

Panel discussion

Saturday, February 27, 2010

**Session 5: Early detection and prevention of cardiometabolic disease
14:00-16:00**

Chairs: Reuven Zimlichman and Oliver Steinbach

Genetic polymorphisms of innate immunity-related inflammatory pathways in type 2 diabetes mellitus: biomarkers of early detection and prevention

Speaker: Alaa Badawi

Echo particle image velocimetry (Echo PIV): A novel ultrasound-based method for the in vivo measurement of wall shear stress in human carotid arteries

Speaker: Phillip Gates

Biomarkers and imaging for drug development, diagnosis and treatment of diseases

Speaker: Oliver Steinbach

Vitamin D for prevention of cardiometabolic disease

Speaker: Anastassios G. Pittas

The unstable carotid artery plaque

Speaker: David Russell

**Session 6: Early detection and prevention of disease – role of genomics
16:00-17:30**

Chairs: Doron Lancet and Pavel Hamet

The human genome diversity evolution

Speaker: Doron Lancet

Making sense of the human genome: The importance of collecting all gene sequence variants

Speaker: Johan den Dunnen

New methods for the identification of novel multidimensional predictors of treatment outcome

Speaker: Eitan Rubin

**Session 7: Early detection and prevention of disease in pediatric populations
17:30-18:30**

Prevention of renal disease in adults by targeting pregnancy and childhood

Speaker: Guido Filler

Early atherosclerosis in childhood onset diabetes

Speaker: Knut Dahl Jorgensen

Sunday, February 28, 2010

**Session 8: Health policy issues relating to early disease detection and prevention
09:00-13:00**

Part I – Chairs: Gabriel I. Barbash and Arun Chockalingham

Impact of early disease detection and prevention on health care – The physician's view

Speaker: To be announced

Impact of early disease detection and prevention on health economics – The insurer's view

Speaker: To be announced

Free communications

Budget impact analysis of an intervention aiming to prevent hypertension development in prehypertensive individuals: A health economic evaluation based on the TROPHY study data

Speaker: Marcus Baumann

Prevention of cardio-metabolic diseases in general practice

Speaker: Mark Nielen

Ethical issues underlying the high-tech medical check-ups

Speaker: Li Yin-Ming

Why early screening for CVD risk stratification with a more accurate risk score method must be mandated by those who care about our health

Speaker: Mahfouz El Shahawy

Using case mix to detect disease and improve the delivery of care

Speaker: Karen Kinder

Part II – Chairs: John Davis and James H. Revkin

Early disease detection and prevention – the view of professional societies

Speaker: John Davis (NKF and KDPN)

Early disease detection and prevention – the view of the industry

Speaker: James H. Revkin

Early disease detection and prevention – the view of the government

Speaker: Gabriel I. Barbash

Closing of the conference

13:00-13:15

**** Please note this program is not final and subject to future changes**