



OUTLINE OF THE PROGRAM

Sunday, June 21, 2015

-Day 1-

- 08:00** **Opening remarks: Board of directors (Prof. Serruys, Prof. Stone, Prof. van der Steen, Prof. Koenig, Prof. Lerman, Dr. García- García and Dr. van Es) – 10'**
- 08:10** **Welcome remarks: Guest director (Prof. Valentin Fuster) – 10'**
- 08:20** **Key note lectures**
Moderators: Valentin Fuster and Patrick W. Serruys
- 08:20 What have I learned from VPM 2014? A 10,000 feet view 15'
Patrick W. Serruys (NL)
- 08:30 Q&A
- 08:35 What will you learn from VPM 2015? 15'
Valentin Fuster (USA/ES)
- 08:45 Q&A
- 08:50** **Primary and secondary prevention**
Moderators: Wolfgang Koenig and Jagat Narula
- 08:50** **Primary prevention programs:**
1. HRP: Role of imaging for improved risk stratification 20'
Valentin Fuster (USA/ES)
2. How low should LDLc be (i.e. <30 mg/dl)? Incorporating Trial Data Into a Hybrid Statin Algorithm for Primary Prevention 10'
Paul Ridker (US)
- Q&A 30'
- 10:00** **Coffee break**
- 10:30** **Secondary prevention programs - Chairmen: Valentin Fuster and Ira Tabas**
- Key note lecture**
- 10:30 Anti-inflammatory therapy in chronic disease: challenges and opportunities 15'
Ira Tabas (US)
- 10:45 1. Targeting inflammation in secondary prevention – from CANTOS to CIRT studies 10'
Paul Ridker (US)
- Round table on inflammation: Chairmen: Valentin Fuster and Ira Tabas; Panelists: Paul Ridker, John Laman, Bart Staels, Alope Finn and Andres Hidalgo**
- 10:55** Discussion points:
- Inflammatory pathways that regulate the properties of plaques that precipitate acute coronary syndromes vs. those that modulate the clinical consequences of the thrombotic complications of atherosclerosis. How and where do the 2 pathways cross?
 - Role of macrophages in necrotic core formation: apoptosis vs. oncosis

- Role of eosinophils in AMI
- How to assess inflammation status of a patient? Biomarkers vs. imaging
- Local (statin-loaded reconstituted HDL nanoparticle) vs. systemic anti-inflammatory therapies (i.e. metrotexate)

12:00 2. Interventional approach:
a. from CVLPRIT/PRAMI (treatment of non culprit obstructive lesions) to PROSPECT ABSORB studies (treatment of non culprit non obstructive lesions) 10'
Gregg Stone (US)
a. local therapies to reduce plaque size and improve shear stress conditions 10'
Patrick W. Serruys (NL)

12:20 Q&A 30'

12:50 Lunch break

Session on vascular bed vulnerability

Chairmen: Amir Lerman and Wolfgang Koenig

14:00 Coronary manifestations of fibromuscular dysplasia 10'
Jeffrey Olin (USA)

14:10 Q&A

14:15 Venous thromboembolism as chronic inflammatory disease 10'
Paul Ridker (USA)

14:25 Q&A

14:30 Peripheral artery disease: PARC 10'
Jeffrey Olin (USA)

14:40 Q&A

14:45 Atherosclerotic renovascular disease 10'
Lilach Lerman (USA)

14:55 Q&A

15:00 Brain imaging changes associated with risk factors for cardiovascular and cerebrovascular disease in asymptomatic patients 10'
Jagat Narula (USA)

15:10 Q&A

15:15 Endothelial function assessment: implications for risk stratification 10'
Amir Lerman (USA)

15:25 Q&A

15:25 Coffee break

16:00 Master lecture
Moderator: Wolfgang Koenig
Statin-loaded reconstituted HDL nanoparticle have local anti-inflammatory effects on plaques 30'
Valentin Fuster (USA)

16:30 Discussion

Session on patient vulnerability

Chairman: Javier Escaned and James Rudd

17:00 Clinical relevance of detection of significant coronary artery disease by noninvasive anatomical and functional imaging 10'

Jose Zamorano (ES)

17:10 Q&A

17:15 FFR_{CT} vs. Multislice slice CT alone: which hemodynamics, plaque morphology, myocardium size and geometry parameters are associated with clinical events 10'

Pedro A. Gonzalez (PT)

17:25 Q&A

17:30 What is more predictive of clinical events: angina symptoms, ischaemia tests or anatomic burden 10'

Gregg Stone (US)

17:40 Q&A

17:45 One of the highest risk vulnerable patients are those with refractory angina 10'

Marc Jollicoeur (CAN)

17:55 Q&A

17:45 Which biomarkers matter in CHD patients? 10'

Lars Wallentin (SW)

17:55 Q&A

17:45 In-situ biomarker assessments 10'

Plaque Tec (UK)

17:55 Q&A

18:00 Round table: James Rudd, Javier Escaned, Pedro A. Gonzalez, Gregg Stone, Jagat Narula, Jose Zamorano and Marc Jollicoeur

Thus, how should we assess patient vulnerability?

- in patients without previous events
- in patients with previous events
- what does really matter in patients with refractory angina?

19:00 Closing remarks: Hector M. Garcia-Garcia

Monday, June 22, 2015

-Day 2-

Session on surrogates for assessing vulnerability: translational research

Chairmen: Bart Staels and Alope Finn

- 08:00** Mechanisms and consequences of intraplaque haemorrhages 10'
Bart Staels (BE)
- 08:10** Q&A
- 08:15** The role of progerin in atherosclerosis development: animal and human findings and therapeutical implications 10'
Vicente Andres (ES)
- 08:25** Q&A
- 08:30** Molecular mechanism of PPAR α action and its impact on lipid metabolism and inflammation 10'
Bart Staels (BE)
- 08:40** Q&A
- 08:45** Animal studies of neoatherosclerosis (new form of VP): a growing finding in late stent complications events 10'
Alope Finn (USA)
- 08:55** Q&A
- 09:00** Identifying biologically high-risk stents: more useful than identifying high-risk plaques? 10'
Farouc Jaffer (USA)
- 09:10** Q&A
- 09:15** Translational research: how does it help to make corporal decisions on to move a drug candidate forward? 10'
Benoit Tyl (FR)
- 09:25** Q&A
- 09:30** Translational research: how does it help to make corporal decisions on to move a drug candidate forward? 10'
Benoit Tyl (FR)
- 09:40** Q&A
- 09:45** **Coffee break**

Session on intravascular imaging: Part 1

Chairmen: Hector M. Garcia-Garcia and Gary Mintz

- 10:30** 3D OCT imaging for assessment of vasa vasorum 10'
Amir Lerman (USA)
- 10:40** Q&A
- 10:45** NIRS: lipid and collagen assessment 10'
David Erlinge
- 10:55** Q&A

- 11:00** Endogenous and targeted NIR fluorescence to identify high-risk plaques 10'
Farouc Jaffer (USA)
- 11:10** Q&A
- 11:15** Serial coronary plaque modifications: use of IVUS, NIRS and OCT 10'
Hector M. Garcia-Garcia (NL)
- 11:25** Q&A
- 11:30** Photoacoustics 10'
Ton van der Steen (NL)
- 11:40** Q&A
- 11:45** Advances in dual-modal OCT-based coronary plaque imaging 10'
Farouc Jaffer (USA)
- 11:55** Q&A
- 12:00** Every intravascular imaging has major limitations: are they useful at all 15'
Gary Mintz (USA)
- 12:15** **Round table: Chairmen: Hector M. Garcia-Garcia and Gary Mintz; Panelists: Farouc Jaffer, Ton van der Steen and David Erlinge and Patrick W. Serruys**
When/if intravascular imaging will be routinely use for seeking vulnerable plaques: our view 45'
- 13:00** **Lunch break**
- Session on non invasive imaging: Part 1**
Chairmen: Jagat Narula and James Rudd
- 14:00** Computed tomographic findings of atherosclerosis in the ancient cultures: What do mummies tell us about atherosclerosis? 10'
Jagat Narula (USA)
- 14:10** Q&A
- 14:15** PET imaging of atherosclerosis 10'
James Rudd (UK)
- 14:25** Q&A
- 14:30** Non obstructive coronary disease is prognostically relevant but it is frequently overlooked 10'
Pedro Gonzalez (POR)
- 14:40** Q&A
- 14:45** PESA study imaging findings 20'
Valentin Fuster (USA) / Antonio Fernández-Ortiz (SP)
- 14:55** Q&A
- 15:00** The PROMISE, SCOT HEART and FACTOR 64 studies 10'
Udo Hofman (USA)

15:10 **Round table: Chairmen: Jagat Narula and James Rudd; Panelists: Pedro Gonzalez, Valentin Fuster and Udo Hofman**
- The role of non invasive imaging in primary and secondary prevention

16:00 **Coffee break**

16:30 **Chairman: Patrick W. Serruys**
Sudden death: the ultimate manifestation of vulnerable patients 15'
Josep Brugada (ES)

16:45 Q&A

The Vulnerable Gut session: Chairmen - Wolfgang Koenig and Amir Lerman

Key note lecture:

17:00 "Darm mit Charme" 20'
Giulia Enders

17:20 Q&A

17:40 Is it really worth having your gut bacteria tested?
TBD

18:00 Q&A

Tuesday, June 23, 2015

-Day 3-

Session on haemostatic balance

Chairman: Gregg Stone and Patrick W. Serruys

08:00 Balancing ischemia and bleeding risk: the bivalirudin story 10'

Marco Valgimigli (NL)

08:10 Q&A

08:15 Is there any role of point-of-care CYP2C19 genetic testing 10'

David Erlinge (SW)

08:25 Q&A

08:30 Antiplatelet therapy after drug-eluting stent implantation: too much focus on the stented region, vulnerable spots are located elsewhere 10'

Roxana Mehran (USA)

08:40 Is there any role for rivaroxaban and vorapaxar for preventing MI 10'

Marco Valgimigli/Hector M. Garcia-Garcia (NL)

08:50 Round table: Moderators: Patrick W. Serruys and Gregg Stone; Panelists: Roxana Mehran, David Erlinge, Marco Valgimigli and Hector M. Garcia-Garcia

- Are differences in antiplatelet drugs with regards to non stented MI prevention?
- Must antiplatelet inhibitors be administered life long?
- Are all patients with known CAD candidates for antiplatelet inhibitors? Or should they be stratified?
- Are differences in NOACs with regards to non stented MI prevention?

09:30 Coffee break

Treatment opportunities for vulnerable patients/plaques

Chairman: Wolfgang Koenig and Hector Garcia

10:00 Coronary liposuction during percutaneous coronary intervention: evidence by near-infrared spectroscopy that aspiration reduces culprit lesion lipid content prior to stent placement. 10'

David Erlinge (SW)

10:10 Q&A

10:15 Lipoprotein(a): genetics, biological role, predictive value and drug interventions 10'

Evan A Stein (US)

10:25 Q&A

10:30 Rapamycin, Intestinal bile acid (BA) sequestration, etc. 10'

Bart Staels (BEL)

10:40 Q&A

Key notes lecture

- 10:45 Are the PCSK9 inhibitors the panacea of atherosclerosis treatment: its effects on lipid lowering and beyond 15'
Evan A Stein (USA)
- 11:00 Q&A
- 11:05 Apo I Milano: phase I results and more...
David Kallend (CH)
- 11:20 Q&A

Session on Invasive imaging update (PART II)

- Moderators: **Akiko Maehara and Evelyn Regar**
- 11:30 Lipid Rich Plaque trial
Jim Muller (USA)
- 11:40 Q&A
- 11:45 Effects of high dose rosuvastatin in non intervened vessels of a real practice population: IBIS 3 final results
Patrick W. Serruys (NL)
- 11:55 Q&A
- 12:00 Effects of high dose rosuvastatin in non intervened vessels of patients suffering from STEMI: IBIS 4 IVUS and VH results
Hector M. Garcia-Garcia (NL)
- 12:10 Q&A
- 12:15 Local therapies for plaque modification: IBIS 5 preliminary observations
Patrick W. Serruys (NL)
- 12:25 Q&A
- 12:30 ATHEROREMO: Lipidomics and genetics results
Evelyn Regar
- 12:40 Q&A
- 12:45 PROSPECT II: where are we?
Akiko Maehara
- 12:55 Q&A
- 13:00 **Lunch break**

Session on surrogates for assessing vulnerability: translational research part II

- Moderators: **Aloke Finn and Robert Wilensky**
- 14:00 Cloned minipigs created by DNA transposition of a human PCSK9 gain-of-function mutant
Jacob Fog Bentzon (DN)
- 14:10 Q&A
- 14:15 Porcine models of accelerated coronary atherosclerosis

- 14:25 **Robert Wilensky (USA)**
Q&A
- 14:30 Effect of the Absorb Bioresorbable Vascular Scaffold (BVS) in a Familial Hypercholesterolemic Swine: main results
Evelyn Regar (NL)
- 14:40 Discussion
- 15:00 **Coffee break**
- 15:30 **Closing session - My vulnerable patient trial design: Gregg Stone and Patrick W. Serruys**
- 15:30 My proposal: using sophisticated statistics and study design methods 10'
Marc Jollicoeur (CAN)
- 15:40 Q&A
- 15:45 What would it take to prove the promise of local treatment of VP?
Gregg Stone (USA)
- 15:55 Q&A
- Debate
- 16:05 There is a shift in paradigm, times are moved away from VP 10'
Valentin Fuster (USA)
- 16:15 No so fast, it is all about VPs 10'
Jim Muller (USA)
- 16:25 Discussion
- 17:00 **Closing remarks:**
Guest director: Valentin Fuster
Board of directors (Prof. Serruys, Prof. Stone, Prof. van der Steen, Prof. Koenig, Prof. Lerman, Dr. García and Dr. van Es)