



# Vulnerable Patient Meeting

## A Cardialysis Event





THE OAKLEY COURT HOTEL

Windsor

22-24 June, 2014











UK

  
**DAY 1** Sunday June 22 2014












-  10:00 - 10:10  **Message from the Board of Directors**  
*Patrick W. Serruys, Gregg Stone, Ton van der Steen, Wolfgang Koenig, Amir Lerman, Hector García and Gerrit-Anne van Es*
-  10:10 - 10:15  **Welcome message from Guest Director**  
Dorian Haskard
-  10:15 - 13:00  **Key note lectures**  
*Moderators: Dorian Haskard and Patrick W. Serruys*
- 10:15 - 10:30  Overview on GWA  
*Nilesh J Samani (UK)*
- 10:30 - 10:35 Q&A
- 10:35 - 10:50  Challenges for CMR assessment of vascular disease -  
from early atherosclerosis to the advanced plaque  
*Dudley Pennell (UK)*
- 10:50 - 10:55 Q&A
- 10:55 - 11:10  HDL yes, HDL no  
*Juan Badimon (USA)*
- 11:10 - 11:15 Q&A
- 11:15 - 11:30  Large multicentre trials on vulnerable patient  
populations - from ASCOT to the new PCSK9 trials  
*Peter Sever (UK)*
- 11:30 - 11:35 Q&A
- 11:35 - 11:50  Hierarchical importance of pathological characteristics  
to differentiate vulnerable plaques - lessons learn  
from sudden cardiac autopsy hearts  
*Renu Virmani (USA)*
- 11:50 - 11:55 Q&A

**DAY 1 Sunday June 22 2014**



- |  |   |  |
|--|---|--|
| 11:55 - 12:10  |    | The role of efferocytosis and apoptosis in Vulnerable Plaque<br><i>Martin R Bennett (UK)</i>                                 |
| 12:10 - 12:15  |   | Q&A  |
|  12:15 - 12:45 |    | Discussion   |
|  12:45 - 14:10 |    | Lunch break  |
|  14:10 - 16:00 |    | <b>Early detection of Subclinical Atherosclerosis Initiatives (Part I)</b><br><i>Moderators: Leo Hofstra and Amir Lerman</i> |
| 14:10 - 14:20  |    | The Program SI! intervention for enhancing a healthy lifestyle in preschoolers<br><i>José L. Peñalvo (SP)</i>                |
| 14:20 - 14:22  |   | Q&A  |
| 14:22 - 14:32  |  | PESA study<br><i>José L. Peñalvo (SP)</i>  |
| 14:32 - 14:34  |   | Q&A  |
| 14:34 - 14:44  |  | HAPPY Global Foundation<br><i>Leo Hofstra ( NL)</i>  |
| 14:44 - 14:46  |   | Q&A  |

**DAY 1 Sunday June 22 2014**

- 14:46 - 14:56  Polypill Therapy, Subclinical Atherosclerosis, and Cardiovascular Events – Implications for the Use of Preventive Pharmacotherapy (MESA study)  
*Márcio Sommer Bittencourt ( USA )*
- 14:56 - 14:58 Q&A
- 14:58 - 15:08  Population-based Personalized Prevention  
*Coen van Kalken ( NL )*
- 15:08 - 15:10 Q&A
- 15:10 - 15:20  Remote cardiac telemetry and cardiac remote monitoring  
*Amir Lerman ( USA )*
- 15:20 – 15:22 Q&A
-  15:22 - 16:00  Discussion
-  16:00 - 16:20  Coffee break
-  16:20 - 18:00  **Early detection of Subclinical Atherosclerosis Initiatives (Part II)**  
*Moderators: Alan Fraser and Ton van der Steen*
- 16:20 - 16:30  Ethical, economic and social considerations about risk profiling  
*Ken Redekop ( NL )*
- 16:30 - 16:32 Q&A
- 16:32 - 16:42  Imaging biomarkers – epiphenomena or causative links?  
*Alan G. Fraser ( UK )*
- 16:42 - 16:44 Q&A

**DAY 1** Sunday **June 22** 2014



16:44 - 16:54



Stenosis, location and composition of plaque on CTA and long term outcomes

***Pedro A. Gonçalves (PT)***

16:54 - 16:56

Q&A

16:56 - 17:06



Non-obstructive plaque on CTA and long term outcomes

***Márcio Sommer Bittencourt ( USA)***

17:06 - 17:08

Q&A

17:08 - 17:18



Endothelial function: detection & clinical implications

***Amir Lerman (USA)***

17:18 - 17:20

Q&A

















17:20 - 18:00



Discussion


















## DAY 2 Monday June 23 2014

-  08:00 - 08:15  **Master lecture**  
*Moderators: Patrick W. Serruys and Renu Virmani*
-  Humoral immunity in atherosclerosis - from mechanisms to biomarkers  
*Dorian Haskard (UK)*
-  08:15 - 08:30  Discussion
-  08:30 - 10:00  **Molecular imaging of vulnerable plaque**  
*Moderators: James Rudd and Farouc Jaffer*
- 08:30 - 08:40  Anti-OX LDL imaging  
*Ramzi Khamis (UK)*
- 08:40 - 08:42 Q&A
- 08:42 - 08:52  Platelet GRP78 and Thrombosis  
*Teresa Padró (SP)*
- 08:52 - 08:54 Q&A
- 08:54 - 09:04  NIRF imaging  
*Farouc Jaffer (USA)*
- 09:04 - 09:06 Q&A
- 09:06 - 09:16  Combined PET and CT to identify ruptured and high-risk atherosclerotic plaques  
*David Newby (UK)*
- 09:16 - 09:18 Q&A
- 09:18 - 09:28  Molecular imaging of vulnerable plaque – deciphering the local environment  
*Nick West (UK)*
- 09:28 - 09:30 Q&A
-  09:30 - 10:00  Discussion

**DAY 2** Monday **June 23** 2014



- |  |               |   |  |
|--|---------------|---|--|
|    | 10:00 - 10:20 |    | Coffee break   |
|    | 10:20 - 11:50 |    | <b>Invasive imaging update (PART I)</b><br><i>Moderators: Ton van der Steen and Carlo Di Mario</i> |
|    | 10:20 - 10:44 |    | <i>OCT for plaque characterization: beyond fibrous cap detection</i>                               |
|  | 10:20 - 10:30 |    | <i>Clinical perspective</i><br><b>Carlo Di Mario (UK)</b>  |
|  | 10:30 - 10:40 |    | <i>Pathological perspective</i><br><b>Farouc Jaffer (USA)</b>                                      |
|  | 10:40 - 10:44 |   | Q&A  |
|    | 10:44 - 11:08 |    | <i>High speed OCT</i>  |
|  | 10:44 - 10:54 |    | <i>Clinical perspective</i><br><b>Evelyn Regar (NL)</b>  |
|  | 10:54 - 11:04 |  | <i>Bioengineer perspective</i><br><b>Ton van der Steen (NL)</b>                                    |
|  | 11:04 - 11:08 |   | Q&A  |
|  | 11:08 - 11:18 |  | Photoacoustics<br><b>Ton van der Steen (NL)</b>  |
|  | 11:18 - 11:20 |   | Q&A  |
|  | 11:20 - 11:50 |  | Discussion   |

**DAY 2** Monday **June 23** 2014

-  11:50 - 13:10  **Invasive imaging update (PART II)**  
*Moderators: Akiko Maehara and Hector García*
- 11:50 - 12:00  The Prediction trial  
*Peter H. Stone (USA)*
- 12:00 - 12:02 Q&A
- 12:02 - 12:12  A good old friend: IVUS greyscale tissue characterization revisited  
*Akiko Maehara (USA)*
- 12:12 - 12:14 Q&A
- 12:14 - 12:24  Is the LCBI a predictor of events?  
*Hector García (NL)*
- 12:24 - 12:26 Q&A
- 12:26 - 12:36  NIRS trials  
*Jim Goldstein (USA)*
- 12:36 - 12:38 Q&A
- 12:38 - 12:48  Defining plaque vulnerability in heart transplant patients  
*Akiko Maehara (USA)*
-  12:48 - 13:10  Discussion
-  13:10 - 15:00  Lunch break
-  15:00 - 16:30  **Carotid scanning for risk assessment/therapy guidance**  
*Moderators: Alan Fraser and Ton van der Steen*
- 15:00 - 15:10  Ultrasound based strain imaging  
*Chris de Korte (NL)*
- 15:10 - 15:12 Q&A











**DAY 2 Monday June 23 2014**










- 15:12 - 15:22  Biomechanics of the carotid  
*Frank Gijsen (NL)*  
Q&A
- 15:22 - 15:24
- 15:24 - 15:34  Molecular imaging of the carotid  
*James Rudd (UK)*  
Q&A
- 15:34 - 15:36
- 15:36 - 15:46  Photoacoustics and high frame rate imaging of the carotid  
*Pieter Kruizinga (NL)*  
Q&A
- 15:46 - 15:48
- 15:48 - 15:58  Integration of imaging techniques in clinical practice  
*Jonathan Gillard (UK)*  
Q&A
- 15:58 - 16:00
-  16:00 - 16:30  Discussion
-  16:30 - 16:50  Coffee break
-  16:50 - 17:20  **Invasive and non-invasive imaging - Sceptic roundtable**  
*Moderator: Gregg Stone (USA)*
-  *Gregg Stone/Patrick W. Serruys/Jim Muller/  
Carlo Di Mario/Ton van der Steen/Akiko Maehara/  
Hector Garcia*  
what the panel believes and does not believe.

**DAY 2** Monday **June 23** 2014

-  17:20 - 18:30  **Experiment Models of Atherosclerosis- Is there ever going to be a model for vulnerable plaque?**  
*Moderators: Renu Virmani and Robert Wilensky*
- 17:20 - 17:30  Cloned minipigs created by DNA transposition of a human PCSK9 gain-of-function mutant  
**Jacob Fog Bentzon (DN)**
- 17:30 - 17:32 Q&A
- 17:32 - 17:42  Porcine models of accelerated coronary atherosclerosis  
**Robert Wilensky (USA)**
- 17:42 - 17:44 Q&A
- 17:44 - 17:54  Animal models in Nanomedicine  
**Willem Mulder (USA/NL)**
- 17:54 - 17:56 Q&A
- 17:56 - 18:06  Effect of the Absorb Bioresorbable Vascular Scaffold (BVS) on Coronary Plaque Regression in a Familial Hypercholesterolemic Swine: 1-Year Follow-Up  
**Laura Perkins (USA)**
- 18:06 - 18:08 Q&A
-  18:08 - 18:30  Discussion











## DAY 3 Tuesday June 24 2014

-  08:30 - 08:45
  **Master lecture**  
*Moderator: Wolfgang Koenig and Hector García*
-  **Statin-loaded reconstituted HDL nanoparticle have local anti-inflammatory effects on plaques.**  
*Willem Mulder (USA/NL)*
-  08:45 - 09:00
  Discussion
-  09:00 - 10:00
  **Unmet primary endpoint atherosclerosis trials**  
*Moderator: Amir Lerman and Hector García*
- 09:00 - 09:10
  From IBIS-2 to Stability/Solid trials  
*Liz Tarka (USA)*
- 09:10 - 09:12  
 Q&A
- 09:12 - 09:22
  CHI-SQUARE & ASSURE studies  
*Philippe L. L'Allier (CAN)*
- 09:22 - 09:24  
 Q&A
- 09:24 - 09:34
  Why they did not meet the primary endpoint?  
*Wolfgang Koenig (GER)*
- 09:34 - 09:36  
 Q&A
-  09:36 - 10:00
  Discussion
-  10:00 - 10:20
  Coffee break

**DAY 3** Tuesday **June 24** 2014


-  10:20 - 13:25  **New directions on the treatment of atherosclerosis**  
*Moderator: Ramzi Khamis and Wolfgang Koenig*
- 10:20 - 10:30  The CANTOS Study Apo-I Milano  
*Wolfgang Koenig (GER)*
- 10:30 - 10:32 Q&A
- 10:32 - 10:42  MODIFY trial  
*Philippe L. L'Allier (CAN)*
- 10:42 - 10:44 Q&A
- 10:44 - 10:54  CANARY trial  
*Gregg Stone (USA)*
- 10:54 - 10:56 Q&A
- 10:56 - 11:06  Effect of the Absorb Bioresorbable Vascular Scaffold (BVS) on Coronary Plaque Regression: Long-term Follow-Up  
*Hector García (NL)*
- 11:06 - 11:08 Q&A
- 11:08 - 11:18  Refurbishing the endoluminal surface of the coronaries  
*Patrick W. Serruys (NL)*
- 11:18 - 11:20 Q&A
- 11:20 - 11:30  Can We Refurbish the Endothelial Lining? An Interventional Perspective  
*Laura Perkins (USA)*
- 11:30 - 11:32 Q&A
- 11:32 - 11:42  PROSPECT II: Imaging & Intervention  
*Gregg Stone (USA)*
- 11:42 - 11:44 Q&A

## DAY 3 Tuesday June 24 2014

-  11:44 - 12:15  Discussion
-  12:15 - 14:15  Lunch break
-  14:15 - 16:00  **New pathophysiological concepts of coronary atherosclerosis**  
*Moderator: Andrew Newby and Dorian Haskard*
- 14:15 - 14:25  Cap buckling as a potential mechanism of atherosclerotic plaque vulnerability  
*Philippe L. L'Allier (CAN)*
- 14:25 - 14:27 Q&A
- 14:27 - 14:37  Defect in plaque collagen metabolism contributes to the depletion of collagen  
*Andrew Newby (UK)*
- 14:37 - 14:39 Q&A
- 14:39 - 14:49  Coronary intraplaque hemorrhage evokes a novel atheroprotective macrophage phenotype  
*Joe Boyle (UK)*
- 14:49 - 14:51 Q&A
- 14:51 - 15:01  Lipid-lowering therapy with statins reduces microparticle shedding from endothelium, platelets and inflammatory cells  
*Teresa Padró (SPA)*
- 15:01 - 15:05 Q&A



## DAY 3 Tuesday June 24 2014

- 15:05 - 15:15  **ATHEROREMO IVUS study: beyond vessel wall composition**  
*Hector García (NL)*
- 15:15 - 15:17 Q&A
- 15:17 - 15:27  **The mitochondria as a therapeutic target in ischemia**  
*Lilach Lerman (USA)*
- 15:27 - 15:30 Q&A
- 15:30 - 15:40  **Experimental models for the investigation of high-density lipoprotein-mediated cholesterol efflux**  
*Juan Badimon (USA)*
- 15:40 - 15:42 Q&A
-  15:42 - 16:10  Discussion
-  16:10 - 16:35  **Nostrambrosino: Vulnerable plaque cannot be found, and if it could be found it could not be treated – you are all fools.**  
*Moderator: Ton van der Steen*
-  **Jim Muller: Vulnerable plaque has already been found and treated – Nostrambrosino is a fool.**
-  **Nostrambrosino: The final word**  
*John Ambrose & Jim Muller (USA)*
-  16:35 - 17:00  **Closing remarks: board of directors (Prof. Serruys, Prof. Stone, Prof. van der Steen, Prof. Koenig, Prof. Lerman, Dr. García and Dr. van Es)**

## General Information

The Meeting will be held from June 22<sup>nd</sup> - June 24<sup>th</sup>, 2014, at the *Oakley Court Hotel in Windsor, United Kingdom.*

### CONGRESS LOCATION & VENUE

#### **THE OAKLEY COURT HOTEL**

Windsor Road, Water Oakley, Windsor, Berkshire, SL4 5UR, United Kingdom  
Tel +44 (0) 1753 609 988

*With an unrivalled location on the River Thames, the Oakley Court, Windsor, London is a unique historic luxury hotel. Exceptional service levels are our key to delivering many memorable occasions for our business and leisure guests.*

### SCIENTIFIC PRESENTATIONS

The Meeting rooms will be equipped with Screen, Data Video Projector for Micro-soft Power Point presentations, Note pads, pens and laser pointers. Please download your presentation at the meeting secretariat before your session starts.

### MEALS

All lunches and dinners will be held within the Hotel Premises.

### TRANSFER SERVICES FROM/ TO AIRPORT

Transfer service will be available to/ from the Oakley Court Hotel, according to your flight itinerary. Kindly note, that there will be a transfer service arranged for you upon your arrival and departure. Please note that the pick- up time regarding your departure will be 2hrs prior your flight.

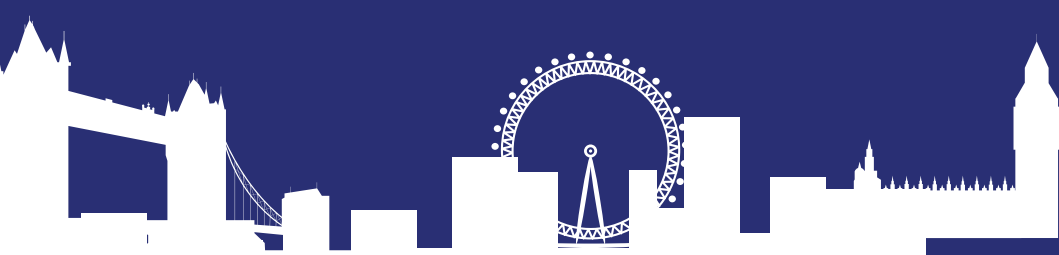
### MEETING SECRETARIAT & OFFICIAL TRAVEL AGENCY

*The Meeting's Secretariat will operate during meeting hours.*



ERA Ltd.  
17 Asklipiou Str., 106 80, Athens, Greece

T.: +30 210 3634944, F.: + 30 210 3631690  
E-mail: info@era.gr, Website: www.era.gr



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