Vulnerable Patient Meeting
A Cardialysis Event

THE OAKLEY COURT HOTEL
Windsor UK
22-24 June, 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 Garcia 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
11:55 - 12:10  The role of efferocytosis and apoptosis in Vulnerable Plaque  
*Martin R Bennett (UK)*

12:10 - 12:15  Q&A

12:15 - 12:45  Discussion

12:45 - 14:10  Lunch break

14:10 - 16:00  Early detection of Subclinical Atherosclerosis Initiatives (Part I)  
*Moderators: Leo Hofstra and Amir Lerman*

14:10 - 14:20  The Program SI! intervention for enhancing a healthy lifestyle in preschoolers  
*José L. Peñalvo (SP)*

14:20 - 14:22  Q&A

14:22 - 14:32  PESA study  
*José L. Peñalvo (SP)*

14:32 - 14:34  Q&A

14:34 - 14:44  HAPPY Global Foundation  
*Leo Hofstra (NL)*

14:44 - 14:46  Q&A
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

   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
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
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
10:00 - 10:20  Coffee break

10:20 - 11:50  Invasive imaging update (PART I)  
               Moderators: Ton van der Steen and Carlo Di Mario

10:20 - 10:44  OCT for plaque characterization: beyond fibrous cap detection

10:20 - 10:30  Clinical perspective  
               Carlo Di Mario (UK)

10:30 - 10:40  Pathological perspective  
               Farouc Jaffer (USA)

10:40 - 10:44  Q&A

10:44 - 11:08  High speed OCT

10:44 - 10:54  Clinical perspective  
               Evelyn Regar (NL)

10:54 - 11:04  Bioengineer perspective  
               Ton van der Steen (NL)

11:04 - 11:08  Q&A

11:08 - 11:18  Photoacoustics  
               Ton van der Steen (NL)

11:18 - 11:20  Q&A

11:20 - 11:50  Discussion
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)
   Q&A

12:00 - 12:02  Q&A

12:02 - 12:12  A good old friend: IVUS greyscale tissue characterization revisited
   Akiko Maehara (USA)
   Q&A

12:12 - 12:14  Q&A

12:14 - 12:24  Is the LCBI a predictor of events?
   Hector García (NL)
   Q&A

12:24 - 12:26  Q&A

12:26 - 12:36  NIRS trials
   Jim Goldstein (USA)
   Q&A

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)
   Q&A

15:10 - 15:12  Q&A
Biomechanics of the carotid
Frank Gijsen (NL)
Q&A

Molecular imaging of the carotid
James Rudd (UK)
Q&A

Photoacoustics and high frame rate imaging of the carotid
Pieter Kruizinga (NL)
Q&A

Integration of imaging techniques in clinical practice
Jonathan Gillard (UK)
Q&A

Discussion

Coffee break

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.
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
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
10:20 - 10:30  The CANTOS Study Apo-I Milano  
Wolfgang Koenig (GER)  
Q&A

10:32 - 10:42  MODIFY trial  
Philippe L. L’Allier (CAN)  
Q&A

10:44 - 10:54  CANARY trial  
Gregg Stone (USA)  
Q&A

Hector Garcia (NL)  
Q&A

11:08 - 11:18  Refurbishing the endoluminal surface of the coronaries  
Patrick W. Serruys (NL)  
Q&A

11:20 - 11:30  Can We Refurbish the Endothelial Lining? An Interventional Perspective  
Laura Perkins (USA)  
Q&A

11:32 - 11:42  PROSPECT II: Imaging & Intervention  
Gregg Stone (USA)  
Q&A
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
15:05 - 15:15  AHEROREMO 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. Garcia and Dr. van Es)
The Meeting will be held from June 22nd - June 24th, 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
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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 Microsoft 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.

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