

EUROTHROMBOSIS

summit

2015

Update on Thrombosis

Meeting of the Working Group on Thrombosis
European Society of Cardiology

October 1-3, 2015 - Como (Italy)

Teatro Sociale di Como

Conference Chairman

Marco Cattaneo (Milano, Italy)

FINAL PROGRAM



Welcome

On behalf of the Working Group on Thrombosis of the European Society of Cardiology, I am pleased to invite you to attend Eurothrombosis Summit 2015.

The Eurothrombosis Summit, the official scientific meeting of the Working Group on Thrombosis of the European Society of Cardiology, is organized annually. The 2015 meeting will feature lectures and symposia ranging from pre-clinical research in hemostasis and thrombosis to clinical trials in venous and arterial thromboembolism. Basic scientists in the field of hemostasis and thrombosis, clinical specialists in hemostasis and thrombosis, cardiology, interventional cardiology, hematology, neurology, angiology, critical care are warmly invited to participate and contribute to the scientific success of the meeting.

Younger clinicians and scientists are encouraged to participate with oral presentations and poster sessions with opportunities to receive poster awards and travel grants.

Eurothrombosis 2015 will be held in the prestigious Teatro Sociale in Como, Italy, 1-3 October 2015.

Como is a beautiful town, very close to Milano and its airports. It contains numerous works of art, churches, gardens, museums, theatres, parks and palaces. It is the main city on the very well-known Lake of Como, one of the many lakes of glacial origin in Northern Italy, which is very close to the Alps. Lake Como has been a popular retreat for aristocrats and wealthy people since Roman times, and a very popular tourist attraction with many artistic and cultural gems. It has many neoclassical villas and palaces. Many famous people have or have had homes on the shores of Lake Como, which is widely regarded as one of the most beautiful lakes in the World.

Lake Como has a Mediterranean-like climate where tropical and sub-tropical plants can grow year-round. In the winter, the lake helps to maintain a higher temperature in the surrounding region. As a tourist destination, Lake Como is popular for its landscapes, wildlife, and spas. It is a venue for sailing, windsurfing and kitesurfing.

The Teatro Sociale, which was inaugurated in the year 1813, is a “Teatro all’Italiana”, displaying typical features of Italian Architecture in XVIII and XIX centuries: horse-shoe shaped “platea” (the main floor) and several lines of “palchi” (boxes). It hosted many celebrated musicians, such as N. Paganini, F Liszt, G. Pasta and others. It is located in downtown Como, close to the Duomo (the Cathedral) and many other artistic attractions.

I look forward to welcoming you in Como.



Professor Marco Cattaneo
Ospedale San Paolo
Dipartimento di Scienze della Salute – Università degli Studi di Milano
Milan, Italy

Members of the Nucleus of the WORKING GROUP ON THROMBOSIS

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THURSDAY, OCTOBER 1

09:45-11:30

Symposium 1 - Venous thromboembolism – I

(SALA BIANCA)

Chairpersons: S. Eichinger (AUT), S. Husted (DK)

The natural course of DVT

P. Prandoni (ITA)

Prevention and treatment of recurrent VTE

S. Eichinger (AUT)

Management of calf-vein thrombosis

D. Imberti (ITA)

Aggressive therapy of DVT

P.M. Sandset (NOR)

09:45-11:30

Symposium 2 – Acute Coronary Syndromes – I

(TEATRO)

Chairpersons: J. Morais (POR), F. Ottani (ITA)

Prasugrel or ticagrelor in STEMI?

L. Bolognese (ITA)

Optimal duration of antiplatelet treatment after coronary stenting

L. Oltrona Visconti (ITA)

Pleiotropic effects of P2Y₁₂ receptor blockers

R. F. Storey (UK)

Intravenous antiplatelet drugs in ACS

J. Morais (POR)

11:30-12:00

BREAK/ POSTER VIEWING /EXHIBITION

12:00-13:15

Symposium 3 - Novel targets for antithrombotic drugs

(SALA BIANCA)

Chairpersons: M. Colucci (ITA), L. De Marco (ITA)

TAI (thrombin activatable fibrinolysis inhibitor): a target to enhance fibrinolysis

M. Colucci (ITA)

Factor XI antisense oligonucleotides for prevention of VTE

H. Büller (NL)

Factor XII: a drug target for safe interference with thrombosis and inflammation

T. Renné (SWE)

12:00-13:15

Symposium 4 - Non-vitamin K Oral Anticoagulants (NOACs) – I (TEATRO)

Chairpersons: W. Korte (SUI), B. Rocca (ITA)

Potential side effects of NOACs in patients with cardiovascular disease
W. Korte (SUI)

NOACs: practical use in different geographical areas
A. Rubboli (ITA)

Do we need to measure the anticoagulant effect of NOACs? When? How?
A. D'Angelo (ITA)

13:25-14:25

SPONSORED LUNCH SESSION
MSD (TEATRO)

Secondary Prevention of Atherothrombotic Events
Sponsored by MSD USA

Co-Chairs: **G. De Ferrari (ITA)**
J. Morais (POR)

13:25 – 13:30 Opening Remarks
G. De Ferrari (ITA)

13:30 – 13:45 PAR-1 – A Key Platelet Activation Pathway
J. Morais (POR)

13:45 – 14:00 Patients After MI – Who Is at Greatest Risk? What Are Potential Solutions?
G. De Ferrari (ITA)

14:00 – 14:15 The High-Risk Vascular Patients – Benefits Beyond Standard of Care
M. Bonaca (USA)

14:15 – 14:25 Facilitated Discussion and Perspective
G. De Ferrari (ITA)
J. Morais (POR)

13:25-14:25

SPONSORED LUNCH SESSION
BAYER ITALIA (SALA BIANCA)

14:30-16:15

Symposium 5 - Mechanisms of Thrombosis (SALA BIANCA)

Chairpersons: A. Siegbahn (SE), I. Seljeflot (NOR)

The role of endothelium in thrombosis
S. Stojkovic (AUT)

Biomarkers for evaluation of endothelial dysfunction
I. Seljeflot (NOR)

Relevance of platelet tissue factor in thrombus formation
M. Camera (ITA)

Thrombus dynamics and characterization in ACS
G. Vilahur (SPA)

14:30-16:15	<p><i>Symposium 6 – Atrial Fibrillation</i> (TEATRO) <i>Chairpersons: A. Maggioni (ITA), S. Halvorsen (NOR)</i></p> <p>Use of NOACs in cardioversion/ablation G. Di Pasquale (ITA)</p> <p>When is it safe to start oral anticoagulation after a cardioembolic stroke? A. Maggioni (ITA)</p> <p>Resumption of anticoagulant treatment after intracranial bleeding C. Becattini (ITA)</p> <p>Role of LAA occluders in atrial fibrillation M. Moia (ITA)</p>	
16:15-17:00	<p>COFFEE BREAK/EXHIBITION COFFEE BREAK/POSTER VIEWING</p>	<p>(SALA BIANCA AREA) (SALA CANONICA)</p>
17:00-18:40	<p><i>Opening Ceremony</i> (TEATRO) <i>Chairpersons: M. Cattaneo (ITA), J. Morais (POR)</i></p>	
17:00-17:15	<p><i>Welcome</i> M.Cattaneo (ITA), J. Morais (POR), Mario Lucini (Mayor of Como)</p>	
17:15-17:55	<p><i>Plenary Lecture I</i> What are the best targets for antiplatelet drugs C. Gachet (FRA)</p>	
18:00-18:40	<p><i>Plenary Lecture II</i> Treatment of venous thromboembolism: past, present and future H. Büller (NL)</p>	
18:45 – 20:00	<p>WELCOME COCKTAIL (SALA BIANCA)</p>	

FRIDAY, OCTOBER 2

08:00-09:15

Symposium 7 - Venous thromboembolism – II
(SALA BIANCA)

Chairpersons: H. Ten Cate (NL), G. Palareti (ITA)

Duration of anticoagulant treatment after idiopathic VTE
A. Toso (ITA)

New perspectives on the management of the post-thrombotic syndrome
A. Ten Cate-Hoek (NL)

Is inflammation the common link between arterial and venous thrombosis?
H. Ten Cate (NL)

08:00-09:15

Symposium 8 - Management of patients with recent ACS undergoing surgery
(TEATRO)

Chairpersons: G. de Gaetano (ITA), D. Sibbing (GER)

Epidemiology and management of urgent surgery after coronary stenting
R. Rossini (ITA)

Perioperative platelet function testing for timing of surgery: useful or not?
D. Sibbing (GER)

Bridging with GPIIb/IIIa inhibitors
S. Savonitto (ITA)

09:15-09:45

COFFEE BREAK/EXHIBITION (SALA BIANCA AREA)
COFFEE BREAK/POSTER VIEWING (SALA CANONICA)

09:45-11:30

Symposium 9 – Acute Coronary Syndromes – II
(SALA BIANCA)

Chairpersons: R.F. Storey (UK), F. Crea (ITA)

Any role for NOACs in ACS?
C. Bode (GER)

Optimal parenteral anticoagulant drugs in NSTEMI
M. Tubaro (ITA)

Optimal parenteral anticoagulant drugs in STEMI
T. Bergmeijer (NL)

Coronary microvascular obstruction in STEMI: therapeutic challenges
F. Crea (ITA)

09:45-11:30

Symposium 10 - Venous thromboembolism – III
(TEATRO)

Chairpersons: S. V. Konstantinides (GER), G. Agnelli (ITA)

Use of NOACs in VTE
F. Piovella (ITA)

The indications of thrombolysis for treatment of PE
S. V. Konstantinides (GER)

Risk stratification for adverse outcomes in patients with acute pulmonary embolism
G. Agnelli (ITA)

Management of unsuspected VTE
W. Ageno (ITA)

11:30-12:00

COFFEE BREAK/EXHIBITION (SALA BIANCA AREA)
COFFEE BREAK/POSTER VIEWING (SALA CANONICA)

12:00-13:15

Symposium 11 - Genetics and biomarkers to guide antithrombotic therapy

(SALA BIANCA)

Chairpersons: D. Gulba (GER), J-P. Collet (FRA)

Genetics and biomarkers to tailor antiplatelet strategies?
L. Wallentin (SWE)

Genetics and biomarkers to tailor anticoagulant strategies?
A.H. Maitland-van der Zee (NL)

Non-coding RNA in cardiovascular disease
M. Mayr (UK)

12:00-13:15

Symposium 12 - Cancer and Platelets
(TEATRO)

Chairpersons: C. Patrono (ITA), P. Minuz (ITA)

Involvement of platelet microparticles in tumor progression and thrombosis
C. Dubois (FRA)

The role of platelet activation in colorectal carcinogenesis
P. Patrignani (ITA)

Aspirin and cancer
C. Patrono (ITA)

13:25-14:25

SPONSORED LUNCH SESSION
(TEATRO)

Lunch Session - The new world of anticoagulation: NOACs in 2015 and beyond

supported by an unrestricted grant from Boehringer Ingelheim
Chairman: **Marco Cattaneo (ITA)**

World-wide clinical use of NOACs: how are we using them?
G. T. Gerotziafas (FRA)

Tomorrow's world is coming: management of bleeding and emergency procedures in anticoagulated patients
Peter Verhamme (BEL)

SPONSORED LUNCH SESSION – BMS Alliance PFIZER
(SALA BIANCA)

14:30-16:15

Symposium 13 - Laboratory tests of hemostasis
(SALA BIANCA)

Chairpersons: **C. Balduini (ITA), V. Toschi (ITA)**

How to measure the response to antiplatelet agents
P. Harrison (UK)

Advanced diagnostic in platelet biology
D. Kenny (IRL)

D-dimer testing in clinical practice
A. Tripodi (ITA)

COAT platelets: laboratory detection and clinical significance
L. Alberio (SUI)

14:30-16:15

Symposium 14 - Immune-mediated thrombotic disorders
(TEATRO)

Chairpersons: **A. Greinacher (GER), M. Cattaneo (ITA)**

Heparin-induced thrombocytopenia
A. Greinacher (GER)

The Antiphospholipid Syndrome
V. Pengo (ITA)

Thrombotic Thrombocytopenic Purpura
P. Koebl (SUI)

Hemolytic Uremic Syndrome
E. Bresin (ITA)

16:15-17:00 COFFEE BREAK/EXHIBITION (SALA BIANCA AREA)
COFFEE BREAK/POSTER VIEWING (SALA CANONICA)

17:00-18:15 *Symposium 15 – Inflammation and thrombosis*
(SALA BIANCA)
Chairpersons: G. Vilahur (SPA), F. Violi (ITA)

Pneumonia, thrombosis and vascular disease
F. Violi (ITA)

Inflammation, tissue factor and thrombosis
L. Badimon (SPA)

Platelets and vascular inflammation
H. Langer (GER)

17:00-18:15 *Symposium 16 - Cancer and VTE*
(TEATRO)
Chairpersons: M.B. Donati (ITA), F. Piovella (ITA)

Predictive models of thrombotic risk in patients with cancer
A. Falanga (ITA)

VTE and cancer: data from the RIETE Registry
M. Monreal (SPA)

Prevention and treatment of cancer-associated VTE
I. Pabinger (AUT)

18:25-18:55	SPONSORED Keynote Lecture: Sponsored by MSD USA (TEATRO) Evidence-Based Prevention of Atherothrombotic Events – A Case Study Chair: M. Cattaneo (ITA) 18:25 – 18:30 Opening Remarks M. Cattaneo (ITA) 18:30 – 18:40 Case Study: A Post-MI Diabetic Patient on DAPT M. Bonaca (USA) 18:40 – 18:50 Case Study Discussion M. Bonaca (USA) 18:50 – 18:55 Closing Remarks M. Cattaneo (ITA)
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SATURDAY, OCTOBER 3

08:00-09:15

Symposium 17 - Non-vitamin K Oral Anticoagulants (NOACs) – II **(SALA BIANCA)**

Chairpersons: R. De Caterina (ITA), M. Levi (NL)

Structuring the follow-up for patients treated with NOACs

R. De Caterina (ITA)

Reversal strategies for NOACs

M. Levi (NL)

What information stems from Registries and Phase IV studies on the use of NOACs in AF?

G. Palareti (ITA)

08:00 -09:15

Symposium 18 - Management of subgroups of ACS patients **(TEATRO)**

(supported with an unrestricted educational grant from AstraZeneca)

Chairpersons: F. Andreotti (ITA), F. Verheugt (NL)

Antithrombotic treatment of ACS patients with diabetes mellitus

B. Rocca (ITA)

Optimal antithrombotic treatment of medically managed ACS patients

S. Husted (DK)

Antithrombotic treatment of elderly patients

F. Andreotti (ITA)

09:15-09:45

COFFEE BREAK/EXHIBITION

(SALA BIANCA AREA)

COFFEE BREAK/POSTER VIEWING

(SALA CANONICA)

09:45-11:30

Symposium 19 - Difficult situations in the acute care of patients with the need for chronic oral anticoagulation (in collaboration with ACCA) **(SALA BIANCA)**

Chairpersons: M. Lettino (ITA), K. Huber (AUT)

Management of major bleeding in a patient on triple therapy

F. Verheugt (NL)

Periprocedural antithrombotic therapy in a patient on chronic treatment with NOAC undergoing primary PCI for STEMI

I. Ahrens (GER)

Management of bleeding in a patient on Vitamin K Antagonist with two artificial valves

K. Huber (AUT)

Periprocedural antithrombotic therapy in a patient undergoing emergency TAVI for cardiogenic shock

J-P. Collet (FRA)

09:45-11:30

*Symposium 20 - **Pre-hospital treatment of ACS***
(TEATRO)

*Chairpersons: **S. De Servi (ITA), T. Weiss (AUT)***

Goals of pre-hospital treatment of ACS
M. Lettino (ITA)

Pre-treatment with P2Y12 inhibitors in NSTEMACS (con)
S. De Servi (ITA)

Pre-treatment with P2Y12 inhibitors in NSTEMACS (pro)
T. Weiss (AUT)

Pre-hospital fibrinolysis
S. Halvorsen (DK)

11:30-12:00

COFFEE BREAK/EXHIBITION (SALA BIANCA AREA)
COFFEE BREAK/POSTER VIEWING (SALA CANONICA)

12:00-13:30

Discussion of difficult cases
(SALA BIANCA)

*Chairpersons: **J. Morais (POR), M. Thomas (UK)***

Myocardial Infarction and Atrial Fibrillation - experiencing the fine line
between blocking and bleeding
Maged Mokbel (RUM)

Thrombolysis in Intermediate Risk Pulmonary Embolism
Jennifer Gwyn (UK)

Thrombosis and Hemorrhagic Risks in Real Life: the thin balance
Melanie Ferreira (POR)

12:00-13:30

**Oral Communications
(TEATRO)**

Chairpersons: E. Lerkevang Grove (DEN), J. Wojta (AUT)

12:00-12:11

P2Y12 inhibitors reduce systemic inflammation and its prothrombotic effects in a model of human sepsis

Mark R. Thomas¹, Samuel N. Outteridge¹, Ramzi A. Ajjan², Fladia Phoenix², Gurpreet K. Sangha¹, Rachael E. Faulkner¹, Rosemary Ecob¹, Heather M. Judge¹, Haroon Khan¹, Laura E. West¹, David H. Dockrell³, Ian Sabroe³, Robert F. Storey¹

¹Department of Cardiovascular Science, University of Sheffield, United Kingdom; ²Leeds Institute of Cardiovascular and Metabolic Medicine, University of Leeds, United Kingdom; and ³Department of Infection and Immunity, University of Sheffield, United Kingdom

12:11-12:22

Incidence, risk factors and quality of anticoagulation in patients with intracranial hemorrhage (ICH) treated with vitamin K antagonists (VKAs): retrospective data from a high-volume anticoagulation clinic

Seena Padayattil Jose, Gentian Denas, Giacomo Zoppellaro, Alessia Bracco and Vittorio Pengo

Cardiology Clinic, Department of Cardiac, Thoracic and Vascular Sciences, Padua University Hospital, Padua, IT

12:22-12:33

Clopidogrel, but not aspirin, treatment reduces cancer and increases overall survival in spontaneous thrombosis model of syngeneic cancer mice

Soraya Mezouar⁽¹⁾, Roxane Darbousset⁽¹⁾, Corinne Frere⁽¹⁾, Sabrina Urhy⁽¹⁾, Dominique Farge-Bancel⁽²⁾, Françoise Dignat-George^(1,3), Laurence Panicot-Dubois⁽¹⁾, Christophe Dubois⁽¹⁾.

¹Aix Marseille Université, INSERM UMR-S1076, Vascular Research Center of Marseille (VRCM), 27 Boulevard Jean Moulin, Marseille, France.

²Service de médecine interne et pathologie vasculaire, Hôpital Saint-Louis, Assistance Publique Hôpitaux de Paris, Paris, France.

³Laboratoire d'Hématologie, Centre Hospitalo-Universitaire Conception, 385 Boulevard Baille, 13385 Marseille, France.

12:33-12:44

Macrophage M2 Differentiation induces PAI-1 Expression via a STAT6 dependent Pathway

Philipp Hohensinner¹, Johanna Baumgartner¹, Barbara Thaler¹, Christoph Kaun¹, Benjamin Ebenbauer¹, Michael Fischer², Paul Declerck³, Gerald Maurer¹, Kurt Huber⁴, Walter Speidl¹, Johann Wojta¹

¹Department of Cardiology, Medical University of Vienna, Austria

²Department of Blood Group Serology Transfusion Medicine, Medical University of Vienna, Austria

³Therapeutic and Diagnostic Antibodies, K.U. Leuven, Belgium

⁴3rd Medical Department, Wilhelminenhospital, Vienna, Austria

12:44-12:55

Accuracy of nurse-performed lung ultrasound in patients with dyspnea: a single-centre prospective observational study

Valentina Basile, RN¹, Nicola Mumoli, MD², Marco Cei, MD², Josè Vitale, MD¹, Francesco Dentali, MD¹

¹Department of Clinical and Experimental Medicine, University of Insubria, Varese, Italy;

²Department of Internal Medicine, Ospedale Civile Livorno, Livorno, Italy;

12:55-13:06

Impact of the Bioresorbable Vascular Scaffold Surface Area on On-Treatment Platelet Reactivity

Lisa Gross¹,MD, Dirk Sibbing^{1,3},MD, Madeleine Eickhoff¹,MD, Moritz Baquet¹,MD, Martin Orban¹,MD, Anne Krieg¹, Katarina Grujic¹, Hans D. Theiss¹,MD, Stefan Brunner¹,MD, Daniel Teupser²,MD, Lesca Holdt²,MD, Steffen Massberg^{1,3},MD, Julinda Mehilli^{1,3},MD

¹*Department of Cardiology, Ludwig-Maximilians-University, Munich, Germany*

²*Department of Laboratory Medicine, Ludwig-Maximilians-University, Munich, Germany*

³*DZHK (German Center for Cardiovascular Research), Munich Heart Alliance, Munich, Germany*

13:06-13:17

Detection of platelet secretion defects in subjects with mucocutaneous bleeding using a reliable and simple diagnostic approach

Natalia Dovlatova¹, Marie Lordkipanidzé², Gillian C. Lowe³, Ban Dawood³, Jane May¹, Stan Heptinstall¹, Steve P. Watson³, Sue Fox¹

¹*Division of Clinical Neuroscience, University of Nottingham, Nottingham, UK*

²*Faculty of Pharmacy, Université de Montréal, Montréal, Canada*

³*Centre for Cardiovascular Sciences, University of Birmingham, Birmingham, UK.*

13:17-13:28

Endothelial mediators as potential determinants of the efficacy of P2Y₁₂ receptor antagonist therapy

Rebecca B. Knowles¹, Melissa V. Chan¹, Plinio M.F Ferreira¹, Melissa A. Hayman¹, Ivana Vojnovic¹, Arthur T. Tucker¹, Paul C.J. Armstrong¹ Timothy, D. Warner¹

¹*William Harvey Research Institute, Barts and the London School of Medicine, Queen Mary University of London*

13:30-14:00

AWARD CEREMONY - END OF THE MEETING

