



E · T · R · O

EUROPEAN THROMBOSIS RESEARCH ORGANIZATION

XI ETRO ADVANCED TEACHING COURSE
Thrombosis: a multidisciplinary approach

Hotel Centrum Palace, Campobasso, Italy

September 18-23, 2011



PROGRAM

Scientific Program

Posters

Social Program

Fondazione di Ricerca e Cura "Giovanni Paolo II"
Campobasso

In collaboration with *Cuore Sano* ONLUS and



SIEMENS



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ACQUA OLIGOMINERALE NATURALE



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Assessorato Politiche per la Tutela della Salute e Assistenza Sanitaria
and
Assessorato alle Attività Produttive e Turismo della Regione Molise
Provincia di Campobasso
Banca d'Italia

Under the auspices of



Presidenza della Regione Molise



Provincia di Campobasso



Associazione per la Lotta alla Trombosi
e alle malattie cardiovascolari



SISSET



Provincia di Campobasso

ETRO COUNCIL

Jacek Musiał, *President*

Laszlo Muszbek, *Past President*

Hans Deckmyn, *Executive Officer*

Giovanni de Gaetano, *Honorary member*

Kenneth J Clemetson, *Board member*

Ingrid Pabinger-Fasching,
Representative of the Federation of European Thrombosis and Haemostasis Organisations (FETHRO)

SCIENTIFIC COMMITTEE AND COMMUNICATION

**Research Laboratories
Fondazione di Ricerca e Cura “Giovanni Paolo II”, Campobasso:**

Giovanni de Gaetano
Maria Benedetta Donati
Chiara Cerletti
Licia Iacoviello
Roberto Lorenzet
Domenico Rotilio

Antonio Mascioli, Americo Bonanni,
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Scientific Program

MONDAY 19 SEPTEMBER 2011

9.00-9.15 Welcome

SESSION 1: INTRODUCTORY LECTURES

Chairmen: Giovanni Scambia, Giovannangelo Oriani

9.15-10.00 Kenneth Clemetson (Bern, CH) - Platelets in primary haemostasis

10.00- 10.45 Sergio Coccheri (Bologna, IT) - Antiplatelet therapy: controversial aspects

Break

Chairmen: Maria Benedetta Donati, Carlo Di Falco

11.15-12.00 Pier Mannuccio Mannucci (Milano, IT) – Air Pollution and cardiovascular disease

12.00-12.45 Rosanna Abbate (Firenze, IT) - Thrombosis and acute coronary syndromes

13.00 lunch

SESSION 2: BLOOD PLATELETS

Chairmen: Bruno Moncharmont, Domenico Santo

14.30-15.15 Alessandra Balduini (Pavia, IT) - Blood platelet production and morphology

15.15-16.00 Hans Deckmyn (Kortrijk, BE) - Blood platelet biochemistry

16.00- 16.45 Erica De Candia (Roma) - Mechanisms of platelet activation by thrombin

Break

Chairman: Marco De Spirito

17.00-17.45 Domenico Rotilio (Campobasso, IT) - Platelet proteomics: basic principles and technologies

17.45- 18.30 Patricia Maguire (Dublin, IR) - Novel effectors in platelets identified using proteomics and transcriptomics

19.30 dinner

21.15 Concert of the chorus "Quod libet"

TUESDAY 20 SEPTEMBER 2011

SESSION 3: CELLULAR INTERACTIONS IN THROMBOSIS / TISSUE FACTOR

Chairmen: Sergio Storti, Pasquale Spagnuolo

8.30-9.15 Giovanni Di Minno (Napoli, IT) - Aspirin resistance and platelet turnover: A 25-year old issue

9.15-10.00 Chiara Cerletti (Campobasso, IT) - Platelet-leukocyte interactions in thrombosis

10.00-10.45 Norma Maugeri (Milano, IT) - Platelet-leukocyte interactions in immune vascular disease

Break

Chairman: Virgilio Evangelista

11.15-12.00 Bjarne Østerud (Tromsø, NO) - Tissue Factor/TFPI and blood cells

12.00-12.45 Marina Camera (Milano, IT) - Tissue factor and atherosclerosis

13.00 lunch

SESSION 4: THROMBOSIS AND INFECTIONS

Chairmen: Marco Rossi, Ada Carcagnì

14.30-15.15 Nicola Semeraro (Bari, IT) - Sepsis, thrombosis and organ dysfunction

15.15-16.00 Armando D'Angelo (Milano, IT) - Sepsis and Protein C

16.00- 16.45 Paolo Gresele (Perugia, IT) - Endothelial and platelet dysfunction in HIV patients

Break

Chairman: Franco Zito

17.00-17.45 Luciana Teofili (Roma, IT) - Endothelial progenitor cells and thrombosis

17.45- 18.30 Mario Colucci (Bari, IT) - Thrombin Activatable Fibrinolysis Inhibitor: at the nexus of fibrinolysis and inflammation

19.00 Tasting of Molise wines at the Hotel

20.30 dinner

WEDNESDAY 21 SEPTEMBER 2011

SESSION 5: GENETIC DETERMINANTS OF THROMBOSIS

Chairmen: Guido Maria Grasso, Licia Iacoviello

8.30-9.15 Licia Iacoviello (Campobasso, IT) - From candidate genes to genomewide association studies in cardiovascular disease

9.15-10.00 Kathleen Freson (Leuven, Belgio) - From genetics to epigenetics in platelet research

10.00-10.45 Alessandro Pezzini (Brescia, IT) - Genetic determinants of juvenile stroke

Break

Chairman: Augusto Di Castelnuovo

11.15-12.00 Francesco Bernardi (Ferrara, IT) - Functional genetics

12.00-12.45 Carlo Balduini (Pavia, IT) - Genetic isolates and thrombosis markers

13.00 lunch

SESSION 6: OTHER DETERMINANTS OF THROMBOSIS

Chairmen: Nicola Ferrara, Americo Bonanni

14.00- 14.45 Roberto Lorenzet (Campobasso, IT) - Thrombosis and obesity: cellular bases

14.45- 15.30 Jacek Musiał (Cracow, PL) - Antiphospholipid antibodies and thrombosis

Visit to the Roman ruins of Sepinum (buses leave at 16.00 and return at 19.00)

20.30 dinner

THURSDAY 22 SEPTEMBER 2011

SESSION 7: CANCER, ANGIOGENESIS AND THROMBOSIS

Chairmen: Fabio Pacelli, Andreina Poggi

8.30-9.15 Hugo Ten Cate (Maastricht, NL) - Thrombin generation in clinical conditions

9.15-10.00 Maria Benedetta Donati (Campobasso, IT) - Cancer and thrombosis: 40 years of research

10.00-10.45 Anna Falanga (Bergamo, IT) - Anticancer treatment and thrombosis

Break

Chairman: Antonio Mascioli

11.15-12.00 Francesca Elice (Vicenza, IT) - Onco-haematologic disease and thrombosis

12.00-12.45 Lina Badimon (Barcellona, ES) - Angiogenesis and thrombosis

13.00 lunch

SESSION 8: RISK FACTORS FOR THROMBOSIS

Chairmen: Gabriella Ferrandina, Maurizio Gasperi

14.30-15.15 Ingrid Pabinger (Vienna, AU) - Pregnancy and thrombosis

15.15-16.00 Per Morten Sandset (Oslo, NO) - Hormone therapy and thrombosis

16.00- 16.45 Giovanni Davì (Chieti, IT) - Diabetes and thrombosis

Break

Chairman: Alessio Morganti

17.00-17.45 Francesco Violi (Roma, IT) - Oxidative stress and thrombosis

17.45- 18.30 Laszlo Muszbek (Debrecen, HU) - Factor XIII, clot structure and thrombosis

Visit to "pastificio La Molisana" (buses leave from Hotel at 19.00)

MEDITERRANEAN LECTURE

Chairman: Giovanni de Gaetano

19.40- 20.10 Salvatore Panico (Napoli, IT) - Dietary Mediterranean pattern and chronic disease; a path to healthier populations?

dinner at "pastificio La Molisana" (buses return to Hotel at 22.30/23.00)

FRIDAY 23 SEPTEMBER 2011

SESSION 9: OLD AND NEW ANTITHROMBOTIC DRUGS

Chairmen: Maurizio Tagliatela, Giuseppe Lembo

8.30-9.15 Marco Cattaneo (Milano, IT) - Old and new antiplatelet drugs

9.15-10.00 Gualtiero Palareti (Bologna, IT) - Old and new heparins

10.00-10.45 Cecilia Becattini (Perugia, IT) - Old and new oral anticoagulants

Break

CLOSING LECTURE

Chairmen: Chiara Cerletti, Nicola Ciavarella

11.15-12.00 Giovanni de Gaetano (Campobasso, IT) - The Mediterranean Diet

CONCLUSIONS

12.00-12.20 Jozef Vermeylen (Leuven, BE) - Thrombosis today and tomorrow

12.45 lunch

END OF THE COURSE

THE COURSE HAS RECEIVED 23 CREDITS FROM THE ITALIAN MINISTRY OF HEALTH C.M.E.

Posters

- 1. PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE (PACAP) IMPAIRS APOPTOSIS DURING MEGAKARYOPOIESIS BY ACTIVATING NF-KB: A PROTEOMIC STUDY.** Di Michele M¹, Peeters K^{1*}, Loyen S¹, Waelkens E², Overbergh L³, Hoylaerts M¹, Van Geet C^{1,4}, Freson K¹. ¹Center for Molecular and Vascular Biology, ²Laboratory of Biochemistry, ³Laboratory for Experimental Medicine and Endocrinology, ⁴Department of Pediatrics, University Hospital Leuven, K.U.Leuven, Leuven, Belgium
- 2. EFFECTS OF CIGARETTE SMOKING ON HUMAN PLATELET PROTEOME.** Anna Della Corte, Chiara Tamburrelli, Marilena Crescente, Maria Barisciano, Marco D'Imperio, Michela Di Michele, Maria Benedetta Donati, Giovanni de Gaetano, Domenico Rotilio, Chiara Cerletti. Research Laboratories, [Fondazione di Ricerca e Cura "Giovanni Paolo II"](#), Catholic University, Campobasso, Italy
- 3. FOUR-WEEK INGESTION OF BLOOD ORANGE JUICE RESULTS IN MEASURABLE ANTHOCYANIN URINARY LEVELS BUT DOES NOT AFFECT CELLULAR MARKERS RELATED TO CARDIOVASCULAR RISK: A RANDOMIZED CROSS-OVER STUDY IN HEALTHY VOLUNTEERS.** L. Giordano¹, W. Coletta¹, C. Tamburrelli¹, M. D'Imperio¹, M. Crescente¹, C. Silvestri¹, P. Rapisarda², G. Reforgiato Recupero², A. De Curtis¹, L. Iacoviello¹, G. de Gaetano¹, D. Rotilio¹, C. Cerletti¹ and M.B. Donati¹. ¹Fondazione di Ricerca e Cura "Giovanni Paolo II", Campobasso, Italy and ²Istituto Sperimentale per l'Agrumicoltura, Acireale, Italy
- 4. IDENTIFICATION OF THE MECHANISMS THROUGH WHICH CONJUGATED LINOLEIC ACID (CLA) INHIBITS THE ATHEROGENIC MONOCYTE-MACROPHAGE PHENOTYPE.** Monica de Gaetano, Desmond J Fitzgerald, Orina Belton. School of Biomolecular and Biomedical Sciences, Conway Institute, University College Dublin, Dublin, Ireland
- 5. 15-DEOXY-DELTA12,14-PROSTAGLANDIN J2 TARGETS THE PROTEASOME PATHWAY TO INHIBIT HUMAN ENDOTHELIAL CELLS-MONOCYTES INTERACTIONS.** Simone Marcone and Desmond J Fitzgerald. School of Medicine and Medical Sciences, UCD, Conway Institute, Dublin, Ireland
- 6. DETERMINANTS OF PLATELET PARAMETERS IN THE HEALTHY POPULATION OF THE MOLI-SANI PROJECT.** Iolanda Santimone, Augusto Di Castelnuovo, Amalia De Curtis, Maria Spinelli, Daniela Cugino, Maria Benedetta Donati, Chiara Cerletti, Giovanni de Gaetano, Licia Iacoviello, on behalf of the Moli-sani Project Investigators. Research Laboratories, [Fondazione di Ricerca e Cura "Giovanni Paolo II"](#), Catholic University, Campobasso, Italy
- 7. STICKY PLATELET SYNDROME - FAMILIAL THROMBOCYTOPATHY ASSOCIATED WITH THROMBOSIS.** Lenka Bartošová*, Radoslava Šimonová-Čamajová, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
- 8. RECOMBINANT ACTIVATED FACTOR VII FOR THE TREATMENT OF BLEEDING IN OFF-LABEL INDICATIONS – A SINGLE CENTRE'S EXPERIENCE.** Pavol Hollý*, Ivana Plameňová, Miroslava Dobrotová, Lenka Bartošová, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
- 9. THE INVOLVEMENT OF FACTOR XIII IN THE IMPAIRED FIBRINOLYSIS OF PATIENTS WITH FACTOR V LEIDEN MUTATION.** Zsuzsa Koncz^{1,2}, Zsuzsa Bagoly¹, Zoltan Andras Mezei¹, Zsolt Olah², Robert A.S. Ariëns³, Laszlo Muszbek^{1,4}. ¹Clinical Research Center and ²2nd Department of Medicine, Hemostasis Division, University of Debrecen, Medical and Health Science Center, Debrecen, Hungary ³Division of Cardiovascular and Diabetes Research, Leeds Institute for Genetics Health and Therapeutics, Faculty of Medicine and Health, University of Leeds, Leeds, United Kingdom ⁴Thrombosis, Haemostasis and Vascular Biology Research Group of the Hungarian Academy of Sciences, University of Debrecen, Medical and Health Science Center, Debrecen, Hungary

10. **CHARACTERISATION OF FUNCTIONAL INACTIVE ANTITHROMBIN VARIANTS CAUSING THROMBOSIS – A SUB STUDY OF “NEW TECHNOLOGIES FOR INTERVENTION WITH CONFORMATIONAL DISEASE.** Alice Østergaard, Shona Pedersen, Søren Risom Kristensen. Department of Clinical Biochemistry, Aalborg Hospital, Aarhus University Hospital, Denmark
11. **HEREDITARY ACTIVATED PROTEIN C RESISTANCE: CLINICAL MANIFESTATION.** ¹Radoslava Šimonová-Čamajová*, ¹Ivana Plameňová, ²Miloš Jeseňák, ¹Juraj Sokol, ¹Juraj Chudej, ¹Lenka Bartošová, ¹Peter Kubisz, ¹Ján Staško. ¹National Center of Hemostasis and Thrombosis and ²Clinic of Children and Adolescents, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
12. **THE PREVALENCE OF THE G20210A PROTHROMBIN GENE POLYMORPHISM IN HEALTHY SLOVAK POPULATION AND IN PATIENTS WITH THROMBOPHILIA.** Daniela Kotuličová*, Juraj Chudej, Peter Chudý, Miroslava Dobrotová, Jela Ivanková, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Jessenius Medical Faculty, Comenius University, Martin, Slovakia
13. **SELECTED HAEMOSTATIC PARAMETERS IN PATIENTS WITH MULTIPLE MYELOMA.** Juraj Sokol*, Emília Flochová, Radoslava Šimonová-Čamajová, Juraj Chudej, Ján Staško, Peter Kubisz. National Center of Hemostasis and Thrombosis, Clinic of Hematology and Transfusiology, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia
14. **TOTAL UPA MEASUREMENTS IN HUMAN PLASMA - DEVELOPMENT AND VALIDATION OF A SANDWICH ELISA.** Daniel Elenius Madsen. University of Southern Denmark, Institute of Public Health Thrombosis Research, Hospital of South West Denmark, Department of Clinical Biochemistry, Esbjerg, Denmark
15. **THE DOSE MODIFYING EFFECT OF VKORC 9041G>A AND 6009C>T GENE-POLIMORPHISMS IN ACENOCOUMARINE ANTICOAGULATED HUNGARIAN OUTPATIENTS.** ¹Réka Mózes, ¹Hajna Losonczy, ¹Orsolya Tóth, ²Barbara Réger, ³Béla Melegh ¹Ágnes Nagy. ¹1stDepartment of Internal Medicine, ² Department of Laboratory Medicine, ³ Department of Human Genetics, University of Pécs, Hungary
16. **THE INFLUENCE OF GENES, DIET, PHYSICAL ACTIVITY AND SOCIO-PSYCHOLOGICAL FACTORS ON VITAMIN K-ANTAGONIST DOSE.** Jane Skov¹, Else-Marie Bladbjerg¹, Morten Arendt Rasmussen³, Johannes Sidelmann¹, Anja Leppin² og Jørgen Jespersen¹. ¹Unit for Thrombosis Research and ²Unit for Health Promotion, University of Southern Denmark, Esbjerg; ³Department of Food Science and Technology, University of Copenhagen, Denmark
17. **THERAPEUTIC ANGIOGENESIS FOR CRITICAL LIMB ISCHEMIA - OUR EXPERIENCE.** *Peter Chudý¹, Ján Hudeček¹, Igor Šinák², Renáta Talapková², Ľuboš Hlinka², Lenka Patkaňová², Daniela Kotuličová¹, Juraj Chudej¹, Ľudovít Laca², Peter Kubisz¹. ¹National Center of Hemostasis and Thrombosis, and ²Department of Transplantation and Vascular Surgery, Jessenius Medical Faculty, Comenius University, Martin, Slovakia
18. **DOWNREGULATION OF TISSUE FACTOR EXPRESSION IN HUMAN BREAST CARCINOMA CELLS BY INHIBITION OF THE RENIN-ANGIOTENSIN SYSTEM.** Napoleone E^a, Cutrone A^a, Cugino D^a, Amore C^b, Di Santo A^b, Iacoviello L^a, de Gaetano G^a, Donati MB^a, Lorenzet R^a. ^aLaboratori di Ricerca, Fondazione di Ricerca e Cura “Giovanni Paolo II”, Campobasso, and ^bIstituto Ricerche Farmacologiche Mario Negri, Consorzio Mario Negri Sud, S. Maria Imbaro, Italy

Social Program

SUNDAY 10 SEPTEMBER 2011

Arrivals

20.00 dinner at the Hotel

MONDAY 19 SEPTEMBER 2011

19.45 dinner at the Hotel

21.15 Chiesa Santa Maria della Croce (15 min walking distance from the Hotel) Concert of the chorus "Quod libet": Sacred and Profane Love songs

TUESDAY 20 SEPTEMBER 2011

19.00 Tasting of Molise wines, offered by the Associazione Italiana Sommeliers Molise, in collaboration with the cheese factory Valmolise, at the Hotel

20.30 dinner at the Hotel

WEDNESDAY 21 SEPTEMBER 2011

16.00 bus departure from the Hotel

16.30 - 19.00 Visit to the Roman ruins of Sepinum

19.00 bus return to the Hotel

20.30 dinner at the Hotel

THURSDAY 22 SEPTEMBER 2011

19.00 bus departure from the Hotel

Visit to "Pastificio La Molisana "

MEDITERRANEAN LECTURE

Prof. Salvatore Panico: Dietary Mediterranean pattern and chronic disease; a path to healthier populations?

Show cooking by the Italian chef Nicola Vizzarri and dinner offered by "Pastificio La Molisana"

22.30/23.00 bus return to the Hotel