

Final program

14th Conference of the European Society for Clinical Hemorheology and Microcirculation

ESCHM 2007



27 - 30 June 2007

Dresden, Germany

Greetings

Dear colleagues and friends,

it is a great pleasure for me and my organizing team to invite you to the

14th Conference of the European Society for Clinical Hemorheology and Microcirculation.

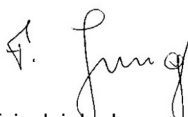
The conference will be held in Dresden from 27 - 30 June 2007. As president of the European Society I am happy to welcome the European National Societies and working groups, the members of the advisory committee as well as non-european, scholars in the field of clinical hemorheology and of microcirculation to participate in the conference by sending proposals for topics, lectures, symposia, oral communications and posters.

This is the third time that Germany hosts the european conference. The first one was organized by Holger Schmid-Schönbein in Baden-Baden, the second one by Albrecht Ehrly in Frankfurt. I enjoyed both important meetings and hope that our scientific program will present an actual overview on the developments in basic and clinical hemorheology and microcirculation and pave the ground for fruitful interdisciplinary discussions. We hope that you will enjoy not only the scientific program, but also the social side of the meeting and the ambience of the beautiful city of Dresden.

During the conference, a ceremony will be held for the Fahraeus Medal, assigned according to the rules stated in the constitution of the society in recognition of the scientific excellence in the field. I am honoured to welcome such distinguished scientists in Dresden, Germany.

On this occasion the members of the organizing committee would like to thank in advance the many highly esteemed speakers and chairpersons for their enthusiasm in participation and their valuable contribution on this meeting.

We are looking forward to a lively discussion leading to new ideas and cooperations for future scientific work.



Friedrich Jung

President of the European Society for Clinical Hemorheology and Microcirculation



Jai-Wun Park

Scientific Secretary

International Advisory Committee

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Joao Martins e Silva	Jean-Luc Wautier
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Klaus Matschke	Jai-Wun Park
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Dietrich Seidel	Reinhardt Sternitzky

Program at a glance
Thursday, 28 June 2007

	Room 1	Room 2	Posterarea	
08:30				
09:00	S1: Hemorheological parameters in vascular pathology	S2: Clinical Hemorheology and Platelets		
09:30				
10:00				
10:30	Coffee break		Posterexhibition I	
11:00	L1: Ultrasound contrast media			
11:30	S3: Clinical Microcirculation	S4: Hemodynamics and Hemorheology		
12:00				
12:30				
13:00	Lunch			
13:30			Posterpresentation I	
14:00	L2: Magneto-cardiography		Posterexhibition II	
14:30	S5: Hemorheological parameters in vascular pathology	S6: Clinical Hemorheology I		
15:00				
15:30				
16:00				
16:30	Meeting of the Advisory Committee (Room 3)		Posterpresentation II	
17:00	Meeting of the German Society for Clinical Hemorheology and Microcirculation (Room 3)			
17:30				
18:00	Guided Sight seeing tour through Dresden city			

Program at a glance

Friday, 29 June 2007

	Room 1	Room 2	Posterarea
08:30	L3: Clinical Relevance of ...		
09:00	S7: Microcirculation, exercise, and oxidative stress	S8: PDE5-Inhibition and Endothelial Dysfunction	
09:30			
10:00			
10:30	Coffee break		
11:00	S9: Apheresis Therapy in Microcirculation Disorders	S10: Experimental Hemorheology and Microcirculation	Posterexhibition III
11:30			
12:00			
12:30	Lunch		
13:00			
13:30	S11: In vivo correlations of increased RBC aggregation	S12: Coronary Microcirculation	Posterpresentation III
14:00			
14:30			
15:00	Coffee break		Posterexhibition IV
15:30	S13: Interaction of blood cells with body foreign surfaces	S14: Update about Nicotinic Acid Derivates	
16:00			
16:30			Posterpresentation IV
17:00			
17:30			
18:00	Departure to the Gala Dinner		

Program at a glance
Saturday, 30 June 2007

	Room 1	Room 2
08:30	L4: Hemorheological parameters as ...	
09:00	S15: Clinical Hemorheology and Hemostasis I	S16: Ultrasound and Microcirculation
09:30		
10:00		
10:30	Coffee break	
11:30	S17: Clinical Hemorheology and Hemostasis II	S18: Clinical Hemorheology II
12:00		
12:30		
13:00	Closing ceremony	
13:30	Snack	

Scientific program

Opening Ceremony

Wednesday, 27 June 2007, 4:00 - 6:00 p.m.

Fahraeus Medal Award Presentation Ceremony and Lecture

Chairperson: F Jung, President

Laudatio

D Seiffge (Germany)

H Meiselman (United States)

Presentation of the Fahraeus Medal Award

Fahraeus Lecture

M Rampling (United Kingdom)

6:00 p.m. Welcome Cocktail

Session 1, Room 1
Thursday, 28 June 2007, 8:30 - 10:30 a.m.

Hemorheological Parameters in Vascular Pathology

Session organized in cooperation with the
Hungarian Society of Hemorheology
Chairpersons: L Bogar (Hungary), K Tóth (Hungary)

**S0101 Indicative Force of Hemorheological Factors in
Hyposplenic and Asplenic States after Splenectomy and Spleen
Autotransplantation. A Research Summary**

I Miko, N Nemeth, E Brath, A Furka, S Imre, J Serfozo, J Kovács, G Szabo,
A Balint, E Sajtós, L Galuska, K Peto, I Furka (Hungary)

S0102 Plasma Viscosity: a Forgotten Variable?

G Késmárky, P Kenyeres, K Tóth (Hungary)

**S0103 The Impact of Hemorheological Oxygen Carrying
Capacity on Cardiac Morbidity and Mortality**

P Kenyeres, G Késmárky, P Tarsoly, I Juricskay, K Tóth, L Bogar (Hungary)

**S0104 Reperfusion Injury and Inflammatory Responses
Following Limb Revascularization Surgery**

E Arató, L Sinay, G Kasza, L Kollár, G Jancsó, M Kürthy, E Röth (Hungary)

**S0105 Connection Between Genetically Determined Blood
Coagulation Factors and Hemorheology**

E Pongracz, H Andrikovocs, SI Bernat, Z Nagy (Hungary)

**S0106 Debrecen Longevity Study: The Hemorheological and the
General Health Status in Oldest Old Residents**

Á Kovács, Z Szikszai, É Várady, S Imre (Hungary)

Session 2, Room 2
Thursday, 28 June 2007, 8:30 - 10:30 a.m.

Clinical Hemorheology and Platelets

Chairpersons: WH Reinhart (Switzerland), B Leithäuser (Germany)

S0201 Effects of Desmopressin on Thrombocytic Membrane Glycoproteins and Platelet Aggregation in Healthy Volunteers on Clopidogrel

D Zielske, C Mrowietz, UT Seyfert, F Jung (Germany)

S0202 The Impairment of Platelet Function and Plasmatic Coagulation in Faecalperitonitis and Endotoxemia are Dependent on the Volume Challenge

U Kessler, T Grau, P Klimek, J Takalla, S Brand, S Berger, H Bracht, Z Zachariou, S Jakob (Switzerland)

S0203 Portal Venous Stasis During Major Liver Resection does not Affect Platelet Aggregability

M Weinrich, B Stephan, S Windischmann, B Kopp, G Pindur, H Eichler, MK Schilling (Germany)

S0204 Influence of Paracetamol, Diclofenac and Aspirin alone and in Combination on Platelet Aggregation under high Shear Conditions in Vitro

KS Galliard-Grigioni, WH Reinhart (Switzerland)

S0205 Effects of Heavy-resistance Training on Platelet Indices and Fibrinogen Concentration

S Ahmadizad, H Hassanloei, K Ibrahim, MA Aslankhani (Iran)

Lecture 1, Room 1
Thursday, 28 June 2007, 11:00 - 11:30 a.m.

Ultrasound Contrast Media Enhanced Detection of Coronary Microangiopathy

N Chung (Republic of Korea)
Chairperson: JW Park (Germany)

Session 3, Room 1
Thursday, 28 June 2007, 11:30 a.m. - 1:00 p.m.

Clinical Microcirculation

Chairpersons: H. Landgraf (Germany), B. Angelkort (Germany)

S0301 Endothelial Cell Junctions: Critical Structures in Vascular Biology

H Schnittler, R Kronstein, J Seebach (Germany)

S0302 The Effect of Prostaglandin E1 on Nailfold Capillary Blood Pressure and Red Blood Cell Velocity in Humans

M Hahn, M Jünger, AC Shore (Germany)

S0303 Role of the Microcirculation in Diabetic Foot Ulcerations

J Hering, B Angelkort (Germany)

S0304 Acute Cigarette Smoking induces Different Effects in Skin and Muscle Microcirculation in Healthy Chronic Smokers

S Petrule, A Stirban, M Negrean, D Tschoepe (Germany)

Session 4, Room 2

Thursday, 28 June 2007, 11:30 a.m. - 1:00 p.m.

Hemodynamics and Hemorheology

Chairpersons: B Sandhagen (Sweden), G Caimi (Italy)

S0401 On the Effect of Microstructural Changes of Blood on Energy Dissipation in Couette Flow

S Kaliviotis, M Yianneskis (United Kingdom)

S0402 Whole Blood Viscosity and Erythrocyte Fluidity are Related to Endothelium-dependent Vasodilatation and Coronary Risk in the Elderly

B Sandhagen, L Lind (Sweden)

S0403 Endothelial Dysfunction and Monocyte Recruitment in Cells Exposed to Non-uniform Shear Stress

I Cicha, M Goppelt-Struebe, A Yilmaz, WG Daniel, CD Garlichs (Germany)

S0404 Blood Rheology Abnormalities and Vascular Cell Adhesions Mechanisms in Sickle Cell Trait Carriers during Exercise

P Connes, O Hue, J Tripette, MD Hardy-Dessources (France)

S0405 RAC-dependent Adaptation of Paraendothelial Barrier Function under Fluid Flow

J Seebach, C Mrowietz, S Werth, H Schnittler (Germany)

Lecture 2, Room 1

Thursday, 28 June 2007, 14:00 - 14:30 p.m.

Magnetocardiography – A new Tool for the Detection of Cardiac Ischemia

JW Park (Germany)

Chairperson: T Gori (Italy)

Session 5, Room 1
Thursday, 28 June 2007, 2:30 - 4:30 p.m.

Hemorheological Parameters in Vascular Pathology

Session organized in cooperation with the
Bulgarian Society of Hemorheology
Chairpersons: N Antonova (Bulgaria), I Velcheva (Bulgaria)

S0501 Hemorheological Disturbances in Cerebrovascular Diseases

I Velcheva, N Antonova, E Titianova, P Damianov, N Dimitrov, V Dimitrova (Bulgaria)

S0502 Time Dependent Variation of Human Blood Conductivity as an Estimation of RBC Aggregation

N Antonova, P Riha, I Ivanov (Bulgaria)

S0503 Hemorheological Changes and Characteristic Parameters Derived From Whole Blood Viscometry in Chronic Heroin Addicts

N Antonova, E Zvetkova, Y Savov, I Ivanov (Bulgaria)

S0504 Studies on the Aggregation Behavior of Pegylated Human red Blood Cells with the Zeta Sedimentation Technique

S Jovtchev, S Stoeff, K Arnold, O Zschörnig (Bulgaria, Germany)

S0505 Hemorheological Disturbances and Cognitive Function in Patients with Cerebrovascular Disease

I Velcheva, G Nikolova (Bulgaria)

Session 6, Room 2
Thursday, 28 June 2007, 2:30 - 4:30 p.m.

Clinical Hemorheology I

Chairpersons: S Shin (Republic of Korea), S Aydogan (Turkey)

S0601 Study of Reference Control Material in Measurements of Erythrocyte Deformability

S Shin, HK Kim, JS Suh (Republic of Korea)

S0602 Impaired Erythrocytes Deformability in H2O2-Induced Oxydative Stress: Protective Effect of L-Carnosine

S Aydogan, Hande Yaplar, Seda Art (Turkey)

S0603 Modulation of Erythrocyte Deformability by PKC Activity

S de Oliveira, AS Silva-Herdade, J Martins e Silva, C Saldanha (Portugal)

S0604 Resistance to Plastic Deformation is Decreased in RBC of Preterm Neonates

P Ruef, JMB Pöschl, O Linderkamp (Germany)

S0605 Gender-Related Alterations in Erythrocyte Mechanical Activities under Desfluran or Sevofluran Anesthesia

MB Yerer, S Aydogan, FM Çomu (Turkey)

S0606 Influence of Radiographic Contrast Media on the buckling of Endothelial Cells

R Fuhrmann, B Hiebl, F Jung, RP Franke (Germany)

Thursday, 28 June 2007, 4:30 - 5:00 p.m., Room 3
Meeting of the Advisory Committee

Thursday, 28 June 2007, 5:00 - 6:00 p.m., Room 3
Meeting of the German Society for Clinical Hemorheology and Microcirculation

Lecture 3, Room 1
Friday, 29 June 2007, 8:30 - 9:00 a.m.

**Clinical Relevance of Cutaneous Microcirculation with
Regard to Chronic Venous Insufficiency**

M Jünger (Germany)
Chairperson: A Vayá (Spain)

Session 7, Room 1
Friday, 29 June 2007, 9:00 - 10:30 a.m.

Microcirculation, exercise, and oxidative stress

Session organized in cooperation with the
Italian Society of Clinical Hemorheology and Microcirculation
Chairpersons: S Forconi (Italy), N.N.

**S0701 Effect of Endurance-Training on Peripheral
Microcirculation**

M Rossi, F Franzoni, F Galetta, G Santoro (Italy)

S0702 Can Exercise Training Improve Endothelial Dysfunction?

C Di Massimo, D De Amicis, A Pompei, P Scarpelli, C Corbacelli, MG Tozzi
Ciancarelli (Italy)

S0703 Endothelial Ischemia and Endothelial Preconditioning

T Gori (Italy)

**S0704 Oxidative Stress in Juvenile Myocardial Infarction:
Evaluation at the Initial Stage and after 12 Months**

G Caimi, C Carollo, R LoPresti (Italy)

Session 8, Room 2
Friday, 29 June 2007, 9:00 - 10:30 a.m.

PDE5-Inhibition and Endothelial Dysfunction

Chairpersons: J-W Park (Germany), R Voswinckel (Germany)

Introduction

N.N.

S0801 Microangiopathy as Result of Endothelial Dysfunction

B Leithäuser (Germany)

S0802 The Role of NO in Pulmonary Hypertension

R Voswinckel (Germany)

S0803 Cutaneous Microcirculation Test Predicts Clinical Efficacy of Tadalafil in Patients with Coronary Artery Disease and Erectile Dysfunction

JW Park, B Leithäuser, C Mrowietz, F Jung (Germany)

S0804 Endothelial Dysfunction and Erectile Dysfunction in the Meaning of Microcirculation in the Corpus Cavernosum

K Brixius, C Reidenbach, T Klotz, W Bloch, RHG Schwinger (Germany)

Final remarks

JW Park (Germany)

Session 9, Room 1
Friday, 29 June 2007, 11:00 a.m. - 0:30 p.m.

Apheresis Therapy in Microcirculation Disorders

Chairpersons: JW Park (Germany), KP Mellwig (Germany)

**S0901 Apheresis as a Global Therapy Principle in
Microcirculation Disorders**

JW Park (Germany)

**S0902 Apheresis in Coronary Artery Disease: Findings in PET-
Studies**

KP Mellwig (Germany)

**S0903 Influence of Chronical HELP-Apheresis on
Microcirculation in Cardiac Allograft Recipients**

U Gerk, C Mrowietz, F Jung, JW Park (Germany)

S0904 Apheresis in Stroke

B Leithäuser (Germany)

Session 10, Room 2

Friday, 29 June 2007, 11:00 a.m. - 0:30 p.m.

Experimental Hemorheology and Microcirculation

Chairpersons: C Lehmann (Canada), U Windberger (Austria)

S1001 Leukocyte Rolling and Recruitment by Endothelial Cells: Hemorheological Experiments and Numerical Simulations

AM Artoli, A Sequeira, AS Silva-Herdade, C Saldanha (Portugal)

S1002 Effects of the new Ampicillin Derivative KKP723 on the Intestinal Microcirculation in Experimental Endotoxemia

Ch Lehmann, S Bohnenstengel, D Pavlovic, M Gründling, VH Bac, T Usichenko, K Meissner, M Wendt, O Hung, M Murphy, U Lindequist (Canada)

S1003 Hemorheology in Different Laboratory Rat Strains

U Windberger, B Röder, K Spurny, R Plasenzotti, U Losert (Austria)

S1004 Hemorheological Measurements in Experimental Animals: Applications in Surgical Research

N Nemeth, A Gulyas, K Peto, R Foldesi, E Brath, I Furka, OK Baskurt, HJ Meiselman, S Imre, E Vanyolos, I Miko (Hungary, Turkey, United States)

S1005 Haemorheological Changes in the Blood of the Syrian Hamster (*mesocricetus auratus*)

R Plasenzotti, U Windberger, U Losert (Austria)

S1006 Albumin Permeability and Composition of the Adherens Junction Core Complex in the Rat Lung as Affected by Ischemia/Reperfusion and Preconditioning with NO

W Witt, T Waldow, A Ulmer, A Janke, K Matschke (Germany)

Session 11, Room 1
Friday, 29 June 2007, 1:30 - 3:00 p.m.

In Vivo Correlations of Increased RBC Aggregation

Symposium organized in cooperation with the
International Society of Clinical Hemorheology)
Chairpersons: HJ Meiselman (United States), O Baskurt (Turkey)

**S1101 The Role of Macromolecules in Red Blood Cell
Interactions**

B Neu, Zhang Zhengwen, Yang Yang (Singapore)

**S1102 Role of Red Blood Cell Aggregation in Determining
Endothelial Function**

O Yalcin, OK Baskurt, HJ Meiselman (Turkey)

**S1103 Red Cell Aggregation as a Factor Influencing
Margination and Adhesion of Leukocytes and Platelets**

GB Nash, T Watts, M Barigou (United Kingdom)

**S1104 RBC Aggregation In Vivo: Why Bother? Normalize if
Treat the Disease?**

HJ Meiselman, OK Baskurt (United States)

Session 12, Room 2
Friday, 29 June 2007, 1:30 - 3:00 p.m.

Coronary Microcirculation

Chairpersons: K Matschke (Germany), C Waller (Germany)

S1201 Regulation of Myocardial Microcirculation

K Matschke, F Jung (Germany)

S1202 The Coronary „Slow-Flow” Phenomenon: Mechanistic Evidence

M Fineschi, A Bravi, S Forconi, T Gori (Italy)

S1203 Resting Perfusion in Viable Myocardium distal to Chronic Coronary Stenosis is Reduced: Characterization by Magnetic Resonance Imaging and Radiolabeled Microspheres in the Rat

C Waller, T Engelhorn, KH Hiller, G Heusch, G Ertl, WR Bauer, R Schulz (Germany)

S1204 Hemorheological Abnormalities in Cardiac Syndrome X as a Cause of Microcirculatory Dysfunction

BK Lee, T Alexy, RB Wenby, A Durairaj, A Mehra, HJ Meiselman (United States)

S1205 The Preconditioning-mimetic Effect of Nitroglycerin

T Gori, G Di Stolfo, S Sicuro, S Dragoni, M Lisi, S Forconi (Italy)

Session 13, Room 1
Friday, 29 June 2007, 3:30 - 5:00 p.m.

Interaction of Blood Cells with Body Foreign Surfaces

Session organized in cooperation with the
German Society for Clinical Hemorheology and Microcirculation
Chairpersons: RP Franke (Germany), D Seiffge (Germany)

**S1301 Interaction of Blood with Body Foreign Surfaces -
Haemocompatibility**

RP Franke (Germany)

**S1302 In vitro 3D Assay to Test Angiogenic Effects of Human
CD14+ Monocytes Seeded on Macroporous PLGA/CaP Based
Polymers with a Nanostructured Surface**

B Hiebl, R Fuhrmann, MEV Costa, MM Almeida, RP Franke (Germany,
Portugal)

**S1303 Stimulation of Monocytes and Macrophages: Possible
Influence of Surface Roughness**

J Fink, R Fuhrmann, B Hiebl, RP Franke (Germany)

**S1304 Coated or Implanted Polyurethane Foil, which Kind of
Modification Leads to a Better Biocompatibility?**

ISchade, K Plötze, C Wetzels, D Kitta, TK Monsees, N Özkücur,
RFunk, MKnaut, KMatschke (Germany)

Session 14, Room 2
Friday, 29 June 2007, 3:30 - 5:00 p.m.

Update about Nicotinic Acid Derivates

Chairpersons: M Hersberger (Switzerland), B. Leithäuser (Germany)

S1401 Modulation of High-density Lipoprotein Cholesterol Metabolism

M Hersberger (Switzerland)

S1402 Ophthalmological Diagnostics of Endothelial Dysfunction. Impact of the Dynamic Vessel Analyzer

M Küstner, M Kneser, F Tost (Germany)

S1403 Regulation of the Cavernous Smooth Muscle Contractility by Nicotinic Acid Derivates

R Eckert (Germany)

S1404 Influence of Nicotinic Acid on Cutaneous Microcirculation

U Gerck, B Leithäuser, C. Mrowietz, F Jung, JW Park (Germany)

S1405 Influence of Nicotinic Acid on LP(a)

M Vršanský (Germany)

S1406 Introduction of a Planned Magnetocardiographic Trial on the Influence of Nicotinic Acid on Myocardial Ischemia in Patients with Coronary Heart Disease and Erectile Dysfunction

B Leithäuser (Germany)

Lecture 4, Room 1
Saturday, 30 June 2007, 8:30 - 9:00 a.m.

Hemorheological Parameters as Independent Risk Factors for Deep Vein Thrombosis

A Vayá (Spain)
Chairperson: R Bauersachs (Germany)

Session 15, Room 1
Saturday, 30 June 2007, 9:00 - 11:00 a.m.

Clinical Hemorheology and Hemostasis I

Chairpersons: GF v Tempelhoff (Germany), UT Seyfert (Germany)

S1501 Combination Fibrinolysis and Early Invasive Strategy vs Facilitated PCI by Upstream Tirofiban in Acute ST-Segment Elevation Myocardial Infarction: Results of the Alteplase and Tirofiban in Acute Myocardial Infarction (ATAMI) Trial.

S Peters, M Truемmel, B Koehler (Germany)

S1502 Endothelial Dysfunction of Arteries due to Thrombophilia and Vascular Risk Factors

UT Seyfert (Germany)

S1503 Future Therapy of Acute Coronary Syndromes: Advanced Role for Thienopyridines or Triple Antiplatelet Therapy?

H Schühlen (Germany)

S1504 Coagulation Activation and Hyperviscosity – not Just an Epiphenomenon in Malignancy

GF v Tempelhoff (Germany)

S1505 Influence of Preanalytic Conditions on Soluble CD40L Determination

F Wenzel, A Baertl, N Zimmermann, Th Hohlfeld, G Giers, J Oldenburg, R Assert (Germany)

S1506 Anticoagulant Properties of a Sulphate Low Molecular Weight Galactomannan Derivative from Yamopsis Tetragonoloba (L.) Taub. Seeds.

ES Lapikova, NN Drozd, VA Makarov, AS Tolstenkov, NM Mestechkina, GE Bannikova, VD Scherbukhin, VP Varlamov (Russia)

Session 16, Room 2
Saturday, 30 June 2007, 9:00 - 11:00 a.m.

Ultrasound and Microcirculation

Chairpersons: EM Jung (Germany), R Kubale (Germany)

S1601 Value of High Resolution Ultrasound and Contrast Enhanced US Pulse Inversion Imaging for the Evaluation of the Vascular Integrity of Free-Flap Grafts

L Prantl, P Lamby, S Geis, M Nerlich, S Feuerbach, EM Jung (Germany)

S1602 Contrast-Enhanced Ultrasound in Comparison to MS-CT in Blunt Abdominal Trauma

DA Clevert, EM Jung, M Stickel, M Reiser (Germany)

S1603 Contrast Harmonic Ultrasound and Indocyanine-Green Fluorescence Video Angiography for Evaluation of Dermal and Subdermal Microcirculation in Free Parascapular Flaps

L Prantl, P Lamby, S Geis, M Nerlich, S Feuerbach, EM Jung (Germany)

S1604 Contrast enhanced Ultrasound versus CT-angiography in Classification of Abdominal Aortic Endoleak between Typ II and III after Endovascular Repair

DA Clevert, R Kopp, EM Jung, M Stickel, M Reiser (Germany)

S1605 Evaluation of Quantitative Contrast Harmonic Imaging to Detect the Malignancy of Hepatic Tumors: A Controlled Prospective two Centre Study

EM Jung, D Clevert, R Kubale, F Jung (Germany)

Session 17, Room 1
Saturday, 30 June 2007, 11:15 a.m. - 0:45 p.m.

Clinical Hemorheology and Hemostasis II

Chairpersons: G Pindur (Germany), R Bauersachs (Germany)

S1701 Central Venous Oxygen Saturation does not Correlate with the Venous Oxygen Saturation in the Operation Field During Visceral Surgery

M Weinrich, B Stephan, C Bauer, A Kayser, B Kopp, G Pindur, MK Schilling (Germany)

S1702 (title still missing)

R Bauersachs (Germany)

S1703 Association of Lewis Null Blood Group with Proatherogenic Inflammatory Markers in Healthy Subjects

T Alexy, HN Hodis, WJ Mack, E Pais, HJ Meiselman, TC Fisher (United States)

S1704 Comparison of Genetic Polymorphisms in Plasminogen Activator Inhibitor-1 Gene-675 4G/5G in Women with Venous Thrombembolism or Early Spontaneous Abortion During Pregnancy

G Pindur, S Zewinger, B Stephan (Germany)

S1705 Improvement of Microcirculation by Apheretic Decrease of Fibrinogen in Patients with Chronic Venous Leg Ulcers

S Majunke (Germany)

Session 18, Room 2
Saturday, 30 June 2007, 11:15 a.m. - 0:45 p.m.

Clinical Hemorheology II

Chairpersons: M Hardeman (the Netherlands), C Saldanha (Portugal)

S1801 Erythrocyte Sedimentation Rate in 20 s ?

MR Hardeman, AA Bouman, A Pelliccia, M Levitus (the Netherlands)

S1802 Rheological Properties of Erythrocytes in Patients with High Risk of Cardiovascular Disease

M Fornal, RA Korbut, M Lekka, G Pyka-Fociak, B Wizner, J Styczen, T Grodzicki (Poland)

S1803 The Effect of Gender Differences and Social Environment on the Values of Hemorheological Parameters in Oldest Old Residents

S Imre, Z Szikszai, É Várady, Á Kovács (Hungary)

S1804 Red Cell Microrheological Properties under Chemotherapy Drug Infusion in Patients with Gastric Cancer

AV Muravyov, SV Cheporov, IA Tikhomiriva, SV Bulaeva, AA Maimistova, FA Cuckanov (Russia)

Poster session I

Thursday, 28 June 2007, 1:30 – 2:00 p.m.

Chairperson: U Kessler (Switzerland)

P0101 Responses of Red Blood Cell Indices to Heavy-resistance Training in Men

S Ahmadizad, K Ibrahim, H Hassanloei, MA Aslankhani (Iran)

P0102 Quantitative Expediency Assessment of the ZETA Sedimentation Ratio and the Plasma Viscosity in Arterial Hypertension Research

S Stoeff, I Dikov, S Jovtchev, D Kolarov, T Galabova, N Trifonova, C Hadjieva, A Mladenova, L Lambreva, M Penev (Bulgaria)

P0103 Bovine Blood Viscosity as Evaluated by a Rheometer and a Torsional-oscillation Viscometer

V Travagli, I Zanardi, L Boschi, R Cappelli, A Gabbrielli, S Forconi (Italy)

P0104 Reversible of Echinocyte Formation of Erythrocytes after Contact with Radiographic Contrast Agents

C Mrowietz, RP Franke, JW Park, F Jung (Germany)

P0105 Influence of Contrast Media on Red Blood Cell Deformability

G Athanassiou, D Karnabatidis, A Moutzouri, K Katsanos, D Siablis (Greece)

P0106 Comparative Evolution of two Newly Developed Devices for Capillary

B Holdt, JK Lehmann, P Schuff-Werner (Germany)

P0107 The Development of Animal Models is an Important Point in Research Work

I Schade, M Knaut, K Matschke (Germany)

P0108 A new Shear Stress-scanning Microfluidic Aggregometer

S Shin, JX Hou, JS Suh (Republic of Korea)

P0109 Hemorheological Effect of Desmopressin as one Possible Mechanism of its Haemostatic Action

NP Zdumaeva, VN Levin (Russia)

Poster session II

Thursday, 28 June 2007, 4:30 – 5:00 p.m.

Chairperson: B Holdt (Germany)

P0201 Plasmapheresis and his Influence to Hemorheology

N Sneguireva, V Naumenko, A Naumenko, G Kovalev (Russia)

P0202 Microrheological Blood Properties in Patients with Chronic Cerebrovascular Diseases and Metabolic Syndrome

S Orlov, V Ionova, M Domashenko, M Kostyreva, A Shabalina, M Tanashyan, N Glotova (Russia)

P0203 Features of Rheological Properties of Blood in the Patients with Cerebrovascular Pathology

V Ionova, M Maximova, M Tanashyan, A Shabalina, M Kostyreva (Russia)

P0204 Role of the Extracellular Signaling Pathways in the Change of Microrheological Red Blood Cell Properties: In Vitro Study

AV Muravyov, IA Bakanova, VV Yakusevich, AV Kabanov, SV Bulaeva, AA Maimistova (Russia)

P0205 Effects of Swimming Exercise In Cold Water (4° C) on RBC Rheology and Membrane Fatty Acids Composition

A Teaglówna, A Marchewka, Z Browiski (Poland)

P0206 Comparison of Rheological Properties of Erythrocytes in Patients with Claudication after Treadmill and Cycloergometer Training. Examination with the LoRRca device.

R Kowalski, A Teaglówn, T Brzostek, M Górkiewicz, A Marchewka (Poland)

P0207 Hematocrit and Sympathovagal Balance in Young Athletes During Different Sporting Seasons

AA Melnikov, AA Kilosov, AD Vikulov (Russia)

P0208 Red Blood Cell Aggregation under Adrenergic Action

IA Tikhomirova, AV Muravyov, EP Petrochenko, SG Mikhailova (Russia)

P0209 Specifics of Hemodynamics and Endothelium-Dependent Vasodilation in

Patients with Inherent Platelet Dysfunction

VP Voznyuk (Ukraine)

Poster session III

Friday, 29 June 2007, 1:30 – 2:00 p.m.

Chairperson: R Sternitzky (Germany)

P0301 Distribution of Proteolytic, Apoptotic, and Angiogenic Factors in Athero-sclerotic Lesions in Relation to the Direction of Blood Flow

I Cicha, A Yilmaz, WG Daniel, M Goppelt-Struebe, CD Garlichs, (Germany)

P0302 Influence of Alcohol on Hemorheological Parameters and Platelet Function

M Fehr, WH Reinhart (Switzerland)

P0303 Sodium Selenite Administration Improves Intestinal Microcirculation without Affecting Cytokine Release in Experimental Endotoxemia

Ch Lehmann, S Rickert, M Gründling, T Usichenko, K Meissner, M Wendt, O Hung, M Murphy, D Pavlovic (Canada)

P0304 Regulation of Para- and Transendothelial Barrier Function by Caveolin-1

R Kronstein, J Schäfer, J Seebach, H Schnittler (Germany)

P0305 MS-CT in Evaluation of Complex Cystic Renal Masses in Comparison to Contrast-Enhanced Ultrasound Findings

DA Clevert, M Staehler, EM Jung, C Stief, M Reiser (Germany)

P0306 Effects of CO₂-Gas on Microcirculation of the skin in patients with chronic venous insufficiency

B Arheilger, H Haase, M Jünger (Germany)

P0307 Measurement of RBC Aggregation in a Microchip Using Magnetic Stirring-assisted Cell Disaggregation Mechanism

S Shin, I Yang, JX Hou, JS Suh (Republic of Korea)

P0308 Compression Therapy for Secondary Arm Lymphedema

G Franke (Germany)

P0309 Age dependent changes of arterial wall viscoelasticity

N Antonova, P Antonov, M Antonova, N Nikolova, M Vlasovska, L Kasakov (Bulgaria)

Poster session IV

Friday, 29 June 2007, 4:30 – 5:00 p.m.

Chairperson: T Gori (Italy)

P0401 Blood Rheology at Term in Normal Pregnancy and in Patients with Adverse Outcome Events – Results from a Population Based Trial

E Velten, A Teichmann, GF v Tempelhoff (Germany)

P0402 The Effect of Aspirin on Hemorheological Parameters of Patients with Diabetic Retinopathy

J Vékási, K Kolai, V Gaál, I Juricskay, G Késmárky (Hungary)

P0403 Hemorheology in Stable Angina and Acute Coronary Syndrome: a Rheological Basis for Transition?

BK Lee, T Alexy, RB Wenby, A Durairaj, A Mehra, HJ Meiselman (United States)

P0404 Hemoglobin Levels During 2nd Trimester and at Term in Patients with Moderate and Severe Pre-Eclampsia

E Velten, A Teichmann, GF v Tempelhoff (Germany)

P0405 Erythrocyte Deformability Does not Seem to be Altered in Behçet's Disease

M Simó, JM[®] Ricart, M Santaolalia, J Todolí, A Vayá (Spain)

P0406 Contrast Induced Nephropathy using Sodium Bicarbonate or Sodium Chloride and Isosmolar

E Adolph, B Holdt-Lehmann, T Chatterjee, A Prott, P Schuff-Werner, CA Nienaber (Germany)

P0407 Incidencz of Transfusion Requiring Bleedings after Cardiac Surgery Operations

M Knaut, K Matschke, C Georgi, D Zielse, S Brose, F Jung (Germany)

P0408 Erythrocyte Deformability in Anaemic Patients with Reticulocytosis Determined by Means of Ectacytometric Techniques.

M Simó, A Vayá, M[®] Luz Pérez, D Corella, J Murado, M Santaolalia (Spain)

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Social event

SIGHTSEEING-TOUR Dresden

Thursday, 28 June 2007
Departure 6:00 p.m.



Dresden (etymologically from Old Sorbian Drežd'any, meaning people of the riverside forest) is the capital city of the German Federal Free State of Saxony. It is situated in a valley on the River Elbe. The Dresden conurbation is part of the Saxon Triangle metropolitan area.

Dresden has a long history as the capital and royal residence for the Kings of Saxony, who for centuries furnished the city with cultural and artistic splendour. The controversial bombing of Dresden in World War II, plus 40 years in the Soviet bloc state of East Germany, changed the face of the city dramatically.

Since German re-unification, Dresden has emerged as a cultural, political, and economic centre in the eastern part of the Federal Republic of Germany.

Dresden lies on both banks of the river Elbe, mostly in the Dresden Elbe Valley Basin, with the further reaches of the eastern Ore Mountains to the south, the steep slope of the Lusatian granitic crust to the north, and the Elbe Sandstone Mountains to the east at an altitude of about 113 meters. The highest point of Dresden is about 384 meters in altitude.

With a pleasant location and a mild climate on the Elbe, as well as Baroque-style architecture, Dresden has been called "Elbflorenz" (Florence of the Elbe).



The incorporation of neighbouring rural communities over the past 60 years has made Dresden the fourth largest urban district in Germany after Berlin, Hamburg, and Cologne.

We invite you to a guided sightseeing tour through this marvellous town.

Please note that there is a limited number of participants, so please book in time.

Social event

Gala dinner

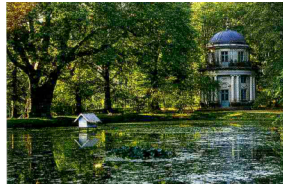
Friday, 29 June 2007

Departure 6:00 p.m.



Pillnitz Palace and Park

English Garden and Pavilion – In 1778, Friedrich August the Just acquired the land to the north-west in order to create a garden in the English style where, instead of the garden representing absolutist power symbolised by geometrical shapes, nature itself was the theme. The English Pavilion but by Schade in 1780 is an adaptation of the Tempietto di San Pietro in Rome, created about 1500 by Donato Bramante. Its design also expresses the esteem in which nature and art were held by the monarch who commissioned the work. The bronze replica of Juno Ludovisi on the island was placed there in the 19th century.



The Dutch Garden – Owing to his interest in the science of horticulture, Friedrich August III built greenhouses on the land north of the palace garden, which he had purchased in 1785. These housed plants that were brought, in particular, from Dutch Cape Colonies. In 1800 a Botanical School was established.

Chinese Garden and Pavilion – Acquisition of additional land in 1790 made it possible to integrate the pond, located to the north, from which the fountain in the Pleasure Garden was fed. As a landscape garden, this section of the garden is named after the Chinese Pavilion built 1804. The architecture of the pavilion is based on the architectural drawings of William Chambers and is thus the best German example of an authentic approach to China and Chinese art. The inside of the pavilion is decorated with realistic painting of Chinese landscape.



Please note that there is a limited number of participants, so please book in time.

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