10th Annual Symposium on Current Perspectives of Extracorporeal Circulation

April 17-18, 2008
German Heart Centre Munich

Deutsches Herzzentrum München
Klinik an der TU München

Technische Universität München

Deutsche Gesellschaft für Kardiologie
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Welcome

Dear Colleagues,

On behalf of the Working Group for Extracorporeal Circulation and Mechanical Circulatory Support of the German Society for Thoracic and Cardiovascular Surgery we cordially invite you to participate in the „10th Annual Symposium on Current Perspectives of Extracorporeal Circulation“ in Munich, Germany, April 17th and 18th 2008.

The main topics of this meeting will focus on new technical aspects on pumps and devices and will discuss clinically relevant issues with regards to organ protection. In addition, new insights into molecular and cellular alterations during ECC are given and research on potential therapeutic targets will be presented.

A number of international clinicians and scientists will present a good mixture of new scientific data and overviews in order to stimulate the discussion between specialists in the various fields including surgeons, basic scientists, perfusionists and industry.

The meeting will be held in Munich, a city worth visiting with its numerous historical and cultural cites. If you decide to spend some time here, we will be happy to help you organizing an exciting weekend. Please do not hesitate to contact us for further information or visit our homepage for updates at www.cpxc.org

We look forward to welcoming you to Munich in order to make this meeting a successful and memorable one.

Prof. Dr. R. Lange
PD Dr. S.M. Wildhirt
PD Dr. W. Eichinger
Invited Faculty
List of Speakers and Chairmen

Albes, J. Bernau
Director, Department of Cardiovascular Surgery, Heart Centre Brandenburg

Asfour, B. Bonn, St. Augustin
Director, Department of Pediatric Cardiac Surgery, Asklepios Clinic, St. Augustin

Bauernschmitt, R. Munich
Department of Cardiovascular Surgery, German Heart Centre Munich

Bical, O.M. Paris, France
Head, Department of Cardiac Surgery, Groupe Hospitalier Paris Saint Joseph

Bonatti, J. Innsbruck, Austria
Department of Cardiac Surgery, University of Innsbruck

Borgdorff, P. Amsterdam, The Netherlands
Institute for Cardiovascular Research, Vrije Universiteit Medical Centre

Borovetz, H.S. Pittsburgh, PA, USA
Chair, Department of Bioengineering, University of Pittsburgh

Braun, S. Munich
Department of Laboratory Medicine, German Heart Centre Munich

De Mol, B.A. Eindhoven, The Netherlands
Cardiovascular Biomechanics, Eindhoven University of Technology

Drews, M. Berlin
Department of Cardiothoracic Surgery, German Heart Centre Berlin

Feindt, P. Düsseldorf
Department of Cardiothoracic Surgery, University Hospital Düsseldorf

Goetz, A. Hamburg
Director, Department of Anesthesiology, University Hospital Hamburg-Eppendorf

Günzinger, R. Munich
Department of Cardiovascular Surgery, German Heart Centre Munich

Jambor, C. St. Gallen, Switzerland
Coagulation Research Group, Institute for Clinical Chemistry and Hematology

Jung, F. Teltow-Seehof
Institute of Polymer Research, GKSS Research Centre

Koster, A. Berlin
Department of Anesthesiology, German Heart Centre Berlin

Litmathe, J. Düsseldorf
Department of Cardiothoracic Surgery, University Hospital Düsseldorf
Invited Faculty

List of Speakers and Chairmen

Martin, K.       Munich
Department of Anesthesiology, German Heart Centre Munich

Mehlhorn, U.     Mainz
Department of Cardiothoracic and Vascular Surgery, University of Mainz

Perthel, M.      Bad Bevensen
Department of Cardiothoracic Surgery

Pouard, P.       Paris, France
Chief, Dept. Anesthesia and Intensive Care, Hôpital Necker-Enfants Malades

Radomski, M.     Dublin, Ireland
Chairman, Dept. of Pharmacology and Pharmaceutical Sciences, Trinity College

Reichenspurner, H. Hamburg
Director, Department of Cardiac Surgery, University Hospital Hamburg-Eppendorf

Schirmer, U.     Ulm
Director, Dept. of Cardiothoracic Anesthesiology, University Hospital Ulm

Schmid, C.       Regensburg
Director, Dept. of Cardiothoracic and Vascular Surgery, University of Regensburg

Sperandio, M.    Munich
Institute of Physiology, Ludwig-Maximilians-University

Stalder, M.      Bern, Switzerland
Department of Cardiovascular Surgery, University Hospital Bern

Stiller, B.      Freiburg
Director, Dept. of Pediatric Cardiology, Centre for Pediatric and Juvenile Medicine

Strüber, M.      Hannover
Department of Cardiothoracic- and Vascular Surgery, Medical School Hannover

Tschernko, E.    Vienna, Austria
Department of Cardiothoracic Anesthesia, Medical University of Vienna

Van Oeveren, W.  Groningen, The Netherlands
Dept. of Biomedical Engineering and Anesthesiology, University Medical Centre

Wildhirt, S.M.   Munich
Department of Cardiovascular Surgery, German Heart Centre Munich

Zwischenberger, J. Lexington, KY, USA
University of Kentucky, Dept. of Surgery, MN264 A. B. Chandler Medical Centre

Zohlnhöfer, S.   Munich
Department of Cardiovascular Diseases, German Heart Centre Munich
Programme

Programme April 17, 2008

1) 13:15 Welcome R. Lange, P. Feindt
13:30 – 15:30 News on Pumps Chair: Reichenspurner, Feindt

1 O.M. Bical Paris, France
What are the advantages of mini ECC?

2 J. Albes Bernau
Minimized Extracorporeal Circulation: Worthwhile in Routine Programs?

3 M. Stalder Bern, Switzerland
MECC: New insights and clinical results

4 H. Reichenspurner Hamburg
Percutaneous Aortic Valve Replacement using the Direct-Flow Device

5 J. Litmathe Düsseldorf
The Deltastream-concept as a basis for intermediate revascularization – An experimental model

6 M. Perthel Bad Bevensen
Neurocognitive function before and after CABG surgery: comparison of conventional and mini-bypass systems in a prospective randomized study

15:30 – 16:00 Industry, Coffee

2) 16:00 – 17:45 Support for Neonates and Infants Chair: Asfour, Borovetz

1 B. Stiller Freiburg
Risks and chances for long term MCS in children

2 H.S. Borovetz Pittsburgh, PA, USA
Towards the Development of Pediatric Ventricular Assist Devices for Acute and Chronic Cardiac Support

3 B. Asfour St. Augustin
Centrimag® in Pediatric Cardiac Support

4 P. Pouard Paris, France
ECC for Neonatal patients: evolution and future challenges

5 M. Drews Berlin
Coagulation Management in Pediatric Mechanical Circulatory Support

20:00 Get together at the Mercedes-Benz Center Munich
Enjoy your dinner and experience the spirit of the old and new Mercedes models
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Programme
Programme April 18, 2008

3) 8:30 – 10:30 News on Devices Chair: Bonatti, Schmid
   1 B. De Mol  Eindhoven, The Netherlands
   Extended use of circulatory support for cardiac interventions - safety and reliability assessment by a multidisciplinary approach
   2 J. Zwischenberger  Lexington, KY, USA
   The Artificial Lung: A New Inspiration
   3 J. Bonatti  Innsbruck, Austria
   Remote access perfusion for minimally invasive and totally endoscopic robotic cardiac surgery
   4 C. Schmid  Regensburg
   Influence of the inflow cannula length in the Incor system
   5 R. Bauernschmitt  Munich
   "Auto-pilot“ controlled ECC – Vision or Reality
   6 M. Strüber  Hannover
   Experience with the Heart Ware LVAD

10:30 – 11:00 Industry, Coffee

4) 11:00 – 12:00 Pharmakokinetics Chair: Tschernko, Goetz
   1 K. Martin  Munich
   Tranexamic acid is not a safe alternative to Aprotinin in all types of cardiac surgery
   2 E. Tschernko  Vienna, Austria
   Pharmacokinetic of prophylactic antibiotics in cardiac surgery
   3 U. Schirmer  Ulm
   Levosimendan – not only inotropic?

5) 12:00 – 12:30 Up-date on Biomaterials
   1 F. Jung  Teltow-Seehof
   Interaction of blood components/cells with body foreign surfaces

12:30 – 13:30 Industry, Lunch

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6) 13:30 – 15:15  Blood Cells  Chair: Radomski, Koster

1  A. Koster  Berlin
Attenuation of hemostatic activation during CPB: current concepts and future options

2  S. Braun  Munich
Laboratory tests for the guidance of hemostatic measurements

3  C. Jambor  St. Gallen, Switzerland
Thrombelastometry (ROTEM®) and impedance aggregometry (Multiplate®) based algorithm for coagulation management in cardiac surgery

4  P. Borgdorff  Amsterdam, The Netherlands
Platelet aggregation during extracorporeal circulation: its enhancement by high dose aspirin

5  M. Radomski  Dublin, Ireland
Taming platelets with nanoparticles: is small always beautiful?


7) 15:45 – 17:45  Organ Protection  Chair: Mehlhorn, Wildhirt

1  M. Sperandio  Munich
Leukocyte recruitment during inflammation in vivo

2  R. Günzinger  Munich
Role of Metalloproteinases in ECC mediated Cardiac Dysfunction in rats

3  A. Goetz  Hamburg
Antiinflammatory strategies in cardiac surgery

4  U. Mehlhorn  Mainz
Organ Protection against Cardiopulmonary bypass-induced Free Radicals

5  W. van Oeveren  Groningen, The Netherlands
Increased renal damage by blood dilution and allogenic blood transfusion

6  S. Zohlnhöfer  Munich
GCSF for left ventricular recovery after acute myocardial infarction

17:45  Closing Remarks  S.M. Wildhirt
18:00  End of Venue
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Social Programme
Get Together - April 17, 2008

20:00

Bar-Ristorante DAIMLERS
Mercedes-Benz Center Munich
Arnulfstrasse 61

Enjoy your dinner and experience the spirit of the old and new Mercedes models.

Accommodation
Reservations at special conference rates have been made in hotels of various categories. These contingents can be accessed up to the end of March:
www.cpxc.org
Organisation

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Venue
German Heart Centre Munich
Cardiovascular Surgery
(Director: Prof. Dr. R. Lange)
Lazarettstrasse 36
80636 München
Germany

Certificate of Participation
The „10th Annual Symposium on Current Perspectives of Extracorporeal Circulation“ in Munich, Germany, from April 17 to 18, 2008 has been approved for Continuous Medical Education (CME) by the Bayerische Landesärztekammer
13 CME credits (category A)

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80636 München
Germany
Phone: +49- 89- 1218 1000
www.dhm-verein.de

Registration: www.cpxc.org
or enclosed registration card
Organisation

Travel and Transportation

By Air
Flughafen München
(Munich-International-Airport)
S1 or S8 to München HBF
(Main Station Munich)
U1 to Maillingerstr./Exit Lazarettstr.
www.munich-airport.de

By Train
München HBF (Main Station Munich)
U1 to Maillingerstr./ Exit Lazarettstr.
or within 10 minutes by taxi
www.bahn.de
10th Annual Symposium on Current Perspectives of Extracorporeal Circulation

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Registration fees should be paid as bank transfers to:
Account Holder: Förderverein Deutsches Herzzentrum München
Payment Code: ECC2008
Bank: Stadtsparkasse München
BLZ/BSB No: 701 500 00
Account No: 71001
IBAN: DE 85 7015 0000 0000 0710 01
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Registration Fees
(Two days)
€ 140 Physicians / industry
€ 100 Perfusionists / nurses

Thursday Evening Get together
€ 35 Registered participants
€ 55 Guests

Registration

☐ Physician / industry
☐ Perfusionist / nurse
Thursday Evening Get Together
☐ Yes, I will attend
☐ Yes, my guest will attend
Guest Name: _____________________

If you prefer to register online, please go to: www.cpxc.org
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Registration by Fax:  +49- 89- 368 498 88

Registration

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First Name: __________________________________________________

Occupation: __________________________________________________

Address: __________________________________________________

________________________________________________

________________________________________________

Country: __________________________________________________

Phone: __________________________________________________

Fax: __________________________________________________

eMail: __________________________________________________

Date: ____________ Signature: ____________________________

Terms of Attendance: www.cpxc.org