

World of Congenital Heart Disease

Missions and Visions



10th DHZB Lange Symposium

January 18/19, 2014, Berlin



dbb forum berlin

Friedrichstraße 169-170 • 10117 Berlin



Dear colleagues,

For early 2013 we would again like to invite you to our symposium in Berlin.

The 10th DHZB Lange Symposium for Congenital Heart Disease will take place on January 18 and 19, 2014 at the dbb forum berlin, Friedrichstr. 169/170, 10117 Berlin.

The upcoming anniversary symposium is devoted to specific important achievements and current and future developments in the entire field of congenital heart disease. With this symposium we wish to highlight not only breath-taking innovations from the past but also brand-new developments to be considered for the future. A special focus is placed on innovative operative and interventional techniques and treatment modalities for the treatment of complex congenital heart diseases, as we are all repeatedly faced with diverse challenges and needs in our clinical management of these patients. We plan to give an overview on current standards and treatment options, but we also wish to discuss possible future developments and visions in the field. We have managed to attract three famous speakers who will give us keynote lectures presenting their epoch-making achievements and how they did it. We have also invited renowned international and national speakers for the scientific sessions who will join with us in presenting a program we believe will be both exciting and challenging.

The main topics will be:

History and Mystery
Cardiac Interventions – Missions Accomplished and Visions for the Future
Preservation of the Ventricular Function
PAH: Beast without a Beauty
Multimedial Entertainment in CHD
Global Networking
Medical Treatment of Absent or Failing Ventricle

Beside the scientific program we have organized an Anniversary Party to take place on the evening of January 18, 2014, in the "Bar jeder Vernunft", Schaperstr. 24, 10719 Berlin. Together with all of you we aim to celebrate the 10th DHZB Lange Symposium, which now enjoys great popularity, at least here in Germany. After a Walking Dinner we will be treated to a live performance by the famous group "Echte Ärzte", giving us an opportunity to relax and dance.

We are looking forward, with you, to an interesting symposium and hope that we will be able to welcome you in large numbers in January 2014.

Prof. Dr. F. Berger
Director, Dept. of Congenital Heart Disease/
Pediatric Cardiology, DHZB

Horst Hahn studied physics with minors in mathematics, philosophy, computer science, and physiology in Bayreuth, Toulouse, and Heidelberg, where he received his diploma in 1999.

He received his doctoral degree (Dr.-Ing.) from the Computer Science department at the University of Bremen in 2005 and became vice president of MeVis Research, the predecessor of Fraunhofer MEVIS, in 2006.

He has been adjunct professor for Medical Visualization at Jacobs University Bremen since 2007 and full professor for Medical Imaging since 2011.

He has acted as Institute Director of Fraunhofer MEVIS, Institute for Medical Image Computing since October 2012.

His research focuses on quantitative methods for multimodal medical imaging and on computer assistance for early detection, diagnosis, and therapy of oncological and neurological diseases.



Prof Ho's interests include morphological correlates with imaging, surgery, interventions, and arrhythmias. Annually, she organizes and directs several short courses for postgraduates and practitioners including 'Anatomy for Electrophysiologists' and 'Hands-on Cardiac Morphology'.

She is a Fellow of the European Society of Cardiology, Fellow of the Royal College of Pathologists (London) and a Registered Practitioner and Fellow of the Higher Education Academy(UK). She has written/co-written nearly 400 papers published in peer-reviewed journals, over 100 chapters in books, and 10 books.

She recently made a series of educational lectures viewable on 3D format (www.Trivido.com) with the aim of improving understanding of Cardiac Anatomy for students as well as for Cardiac interventionists and surgeons. Her most recent book which is co-authored with Dr Sabine Ernst, is 'Anatomy for cardiac electrophysiologists'.



Anatoly Yakovlevich Solovyev, member of the Russian Academy of Cosmonautics (Russian: **Анатолий Яковлевич Соловьёв**); born January 16, 1948 in Riga is a Russian and Soviet cosmonaut and space research pilot.

Solovyev holds the world record for the highest number of spacewalks performed (16), and accumulated time spent spacewalking (over 82 hours). Solovyev's first spaceflight took place in 1988, lasted nine days, and was performed as part of an international Soviet-Bulgarian crew. From February 11 to August 9, 1990, Colonel Solovyev accomplished a long-duration (179-day) flight aboard the station. His fourth flight on "Atlantis STS-71" was launched from Kennedy Space Center in 1995 and he was the commander of the back-up Russian crew of the Mir-18 expedition on the Soyuz TM-21 spacecraft as part of the Mir-Shuttle program. In 1998, he took part in his last, fifth, spaceflight as a commander of the Mir space station's crew. His total time in space amounts to 651d 00h 02m.

Anatoly Solovyev has been awarded several Russian and international honors, among others, Hero of the Soviet Union (USSR), Officer of the Legion of Honour (France) and two NASA Space Flight Medals.



I. History and Mystery

Chairmen Alexi / Berger

08:30 Opening

09:00 Welcome

F. Berger

Keynote Lecture I

09:05 Visions – Missions – Reality

A. Solovyev

Keynote Lecture II

09:45 From Da Vinci to 3D –

Exploring the century – Exploring the heart

S. Y. Ho

10:25 Missions and visions of P. E. Lange – Laudatio

F. Berger

10:40 Break

II. Cardiac Interventions –

Missions Accomplished and Visions for the Future

Chairmen Hijazi / Qureshi

Holes

11:10 Atrial septal defect

S. Qureshi

11:30 Patent ductus arteriosus

N. Wilson

11:50 Ventricular septal defect

Z. Hijazi

Valves

12:10 Valves in the outflow tract

M. Carminati

12:30 Valves in the inflow tracts

P. Ewert

12:50 Ask the experts

Carminati / P. Ewert / Hijazi / Qureshi / Wilson

13:20 Lunch

III. Preservation of Ventricular Function

Chairmen Hetzer / Brawn

- 14:50 Emergent corrective surgery in the newborn:
from visions to reality W. Brawn
- 15:10 Bloodless: promises and limits J. Photiadis
- 15:30 Timing for reoperation on the right side R. Cesnjevar
- 15:50 Timing for reoperation on the left side B. Asfour
- 16:10 **Ask the experts**
Asfour / Brawn / Cesnjevar / Hetzer / Photiadis

16:30 Break

IV. PAH: Beast without a Beauty

Chairmen Schranz / Vouhé

- 16:55 How to test the Beast – focus on the endothelium D. Schranz
- 17:15 End stage PAH/CHD: taming of the screw O. Miera
- 17:35 PAH and Potts shunt: frog king or iron Henry P. Vouhé
- 17:55 PAH: New drugs – New hopes – New beauty R. Ewert
- 18:15 **Ask the experts**
R. Ewert / Miera / Schranz / Vouhé
- 18:30 Adjourn
- 18:45 Bus Transfer to the „Bar jeder Vernunft“,
venue of the Social Evening
(separate registration necessary, see separate flyer for details)

V. Multimedial Entertainment in CHD

Chairmen Yoganathan / Kühne

Keynote Lecture III

- 09:30 Multi-modality imaging: how many modalities, dimensions and scales do we need? H. Hahn
- 09:55 The end of coincidence – multi-scale modeling of Heart Diseases R. Hose
- 10:20 The third power – redefining the role of blood flow T. Kühne
- 10:45 Virtual surgical planning in CHD A. Yoganathan
- 11:10 Break

VI. Global Networking

Chairmen Yankah / Weng

- 11:45 What does Africa expect from us? C. Yankah
- 12:05 Does China still need support? Y. Weng
- 12:25 Surgical missions: Eritrea M.-Y. Cho
- 12:45 Pediatric Cardiology in India – What can we learn from India? R. K. Kumar
- 13:05 **Ask the experts**
Cho / Kumar / Weng / Yankah

13:30 Lunch

VII. Medical Treatment of Absent or Failing Ventricle

Chairmen Baumgartner / Gewillig

- 14:25 The failing single ventricle S. Ovrutskiy
14:45 Failing right ventricle in CHD M. Gewillig
15:05 Failing left ventricle in CHD H. Baumgartner
15:25 Artificial heart:
are we ready for long term support? E. Potapov
- 15:45 **Ask the experts**
Baumgartner / Gewillig / Ovrutskiy / Potapov
- 16:05 Lottery drawing
- 16:15 Closing remarks F. Berger
- 16:20 End

Faculty

Prof. Dr. med. Boulos Asfour,
St. Augustin

Prof. Dr. med. Helmut Baumgartner,
Münster

Prof. Dr. med. Felix Berger,
Berlin

Prof. William Brawn, M.D.,
Birmingham, UK

Prof. Mario Carminati, M.D.,
San Donato, IT

Prof. Dr. med. Robert Cesnjevar,
Erlangen

Mi-Young Cho,
Berlin

Prof. Dr. med. Peter Ewert,
München

Prof. Dr. med. Ralf Ewert,
Greifswald

Prof. Marc Gewillig, M.D.,
Leuven, BE

Prof. Dr. med. Horst Hahn,
Bremen

Prof. Dr. med. h.c. mult. Roland Hetzer,
Berlin

Prof. Ziyad Hijazi, M.D.,
Chicago, USA

Prof. Siew Yen Ho, M.D.,
London, UK

Prof. Rod Hose, B.Sc. Ph.D.,
Sheffield, UK

Prof. R. Krishna Kumar, M.D.
Kerala, IN

Prof. Dr. med. Titus Kühne,
Berlin

Dr. med. Oliver Miera,
Berlin

PD Dr. med. Stanislav Ovrutskiy,
Berlin

PD Dr. med. Joachim Photiadis,
Berlin

PD Dr. med. Evgenij Potapov,
Berlin

Prof. Shakeel Qureshi, M.D.,
London, UK

PD Dr. med. Lothar Schmitz,
Berlin

Prof. Dr. med. Dietmar Schranz,
Gießen

Anatolij Solovyev,
Moskau, RUS

Prof. Pascal Vouhé, M.D.,
Paris, F

Prof. Dr. med. Yu-Guo Weng,
Berlin

Prof. Neil Wilson, M.D.,
Aurora, USA

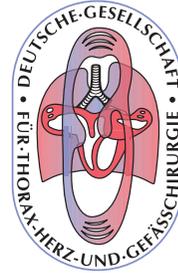
Prof. Dr. med. Charles Yankah,
Berlin

Prof. Ajit Yoganathan, Ph.D.,
Atlanta, USA

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für Thorax-Herz- und
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International Society for
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Prof. Felix Berger | PD Dr. Stanislav Ovrutskiy | PD Dr. Lothar Schmitz | Prof. Dr. Titus Kühne
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Registration fee Sat. and Sun. (Euro)

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„CME-Certified 15 points, EBAC 11 points“

Hope to see you all again at the 11th DHZB Lange Symposium

Berlin January 17/18, 2015

