End Stage Heart Failure in Congenital Heart Disease – Dead End Road or Any Way Out?

15th DHZB Lange Symposium
September 21/22, 2019, Berlin
Dear colleagues,

We would again like to invite you to our annual symposium in Berlin in 2019.

The 15th DHZB Lange Symposium for Congenital Heart Disease will take place on September 21-22, 2019, at the dbb Forum Berlin, Friedrichstr. 169/170, 10117 Berlin.

This year's symposium will be dedicated to the topic "End Stage Heart Failure in Congenital Heart Disease". In our program, we will focus on approaches that help preventing the development of severe insufficiency and therapeutic options that can even cure it. Accordingly we will discuss diagnostic and therapeutic options along the entire clinical value chain: from pharmacological therapy to interventional procedures and transplantation. In addition, we present innovations that we believe to have the potential for leap-frogging and that they will have an important impact on our medical field in the coming years.

The main topics will be:

- Heart Failure – Basics & Specific Aspects in CHD
- Pacemaker, Arrhythmia & Home Monitoring
- Mechanical Circulatory Support
- Sunday Morning Highlight Lecture / 50 Years Heart Transplantation
- HTX – Endstage Solution
- New and Different Thinking
- Medical Treatment and Prevention

To complement the scientific program there will be a Get Together at the venue on the evening of 21 September 2019 to allow further contacting and continued discussion.

We are very much looking forward to a very interesting symposium and hope that we will be able to welcome you in large numbers in September 2019.

Prof. Dr. med. F. Berger
Director, Dept. of Congenital Heart Defects/Pediatric Cardiology
Keynote

Professor Dr. med. Markus Heinemann is a pediatric cardiac surgeon who trained mainly at Hannover Medical School and, later, at Tübingen University. An extended research fellowship also brought him to the Boston Children’s Hospital. Since 2010 he is the Editor-in-Chief of The Thoracic and Cardiovascular Surgeon, the scientific journal of the German Society for Thoracic and Cardiovascular Surgery. He has published extensively on aortic surgery, congenital heart disease, and, more recently, medical publishing itself.

Dr. Isabella Hermann is a political scientist exploring the socio-political consequences resulting from the usage of AI systems. Having always been fascinated by the societal effects of new technologies, she also publishes and talks about science fiction and (global) politics. Isabella currently acts as research coordinator of the interdisciplinary research group „Responsibility: Machine Learning and Artificial Intelligence“ at the Berlin-Brandenburg Academy of Sciences and Humanities in Berlin. The project investigates the ethical and legal challenges associated with the use of AI systems with the aim of developing recommendations to ensure that the focus of technological development is on humans.
08:30 Opening
09:00 Welcome and „warm up“ Berger

I. Heart Failure – Basics

Chairmen: Kühne / Schmitt

09:15 Genetic basics Hübner
09:35 Molecular aspects Hohendanner
09:55 Pediatric Cardiomyopathies – Differences in pediatric versus adult heart failure? Klaassen
10:15 Modern imaging Beerbaum

10:35 Coffee Break

II. Specific Aspects of CHD

Chairmen: Ovroutski / Photiadis

11:05 Heart failure as a measure of failing cross-talk Uebing
11:25 Primary cardiomyopathy – Alternative concepts to avoiding transplantation Jux
11:45 Preparing the heart for a double switch operation Brizard
12:05 Univentricular Heart – Paradigm for life-long heart failure Helbing

12:25 Lunch Break
III. Pacemaker / Arrhythmia / Home Monitoring

Chairmen: Peters / Blom

14:00 Arrhythmia and heart failure – What triggers what? Will
14:20 Resynchronization – Is it worth long term? Blom
14:40 Computational modeling in cardiac resynchronization therapy Niederer
15:00 Microcurrent stimulation – A new option for triggering reverse remodeling? Müller
15:20 Novel sensors for electronic remote monitoring of heart failure Butter

15:40 Coffee Break

IV. Mechanical Circulatory Support

Chairmen: Cho / Zimpfer

16:10 Available techniques / devices Potapov
16:30 Bridge to recovery Miera
16:50 The idea of the perfect pump Granegger
17:10 Final destination – A real option for CHD Zimpfer
17:30 Life with a ventricular assist device Patient/Maier

17:50 Get Together
Sunday Morning Highlight Lecture
09:30 Christian Barnard – Heinemann
50 years heart transplantation

V. HTX – Endstage Solution
Chairmen: Schubert / Urschel

10:00 Long-term outcome Schubert
10:20 Selection criteria in CHD Simon
   and specifics in GUCH
10:40 Immunological challenges and sensitisation Urschel
11:00 Xenotransplantation Knosalla

11:20 Coffee Break

VI. New and Different Thinking
Chairmen: Berger / Beerbaum

11:50 Mitochondria transplantation – Reality or fiction Weixler
12:10 Organ on a chip Pekkanen-Mattila
12:30 App-based Decision Support System Türk
12:50 Ultra High Frame Rate Echocardiography Voigt

13:10 Lunch Break
Keynote Lecture
14:10 Why Artificial Intelligence is not Science-Fiction Hermann

VII. Medical Treatment and Prevention
Chairmen: Miera / Diller

14:40 Is standard heart failure treatment applicable for CHD? Diller
15:00 Remote patient management Koehler
15:20 Can exercise reverse the heart failure process? Thouet
15:40 Training in CHD patients Ovroustki
16:00 Closing remarks Berger
16:05 End
Faculty

Prof. Dr. med. Philipp Beerbaum, Hannover, Germany
Prof. Dr. med. Felix Berger, Berlin, Germany
Prof. Dr. med. Nico Blom, Leiden, Netherlands
Prof. Christian Brizard M.D., Melbourne, Australia
Prof. Dr. med. Christian Butter, Bernau, Germany
Dr. med. Mi-Young Cho, Berlin, Germany
Prof. Dr. med. Gerhard-Paul Diller, Münster, Germany
PhD Marcus Granegger, Berlin, Germany
Prof. Dr. med. Markus Heinemann, Mainz, Germany
Prof. Dr. med. Wim A. Helbing, Rotterdam, Netherlands
Dr. Isabella Hermann, Berlin, Germany
Dr. med. Felix Hohendanner, Berlin, Germany
Prof. Dr. med. Norbert Hübner, Berlin, Germany
Prof. Dr. med. Christian Jux, Gießen, Germany
PD Dr. med. Sabine Klaassen, Berlin, Germany
Prof. Dr. med. Christoph Knosalla, Berlin, Germany
Prof. Dr. med. Friedrich Koehler, Berlin, Germany
Prof. Dr. med. Titus Kühne, Berlin, Germany
Christian Maier, Berlin, Germany
Dr. med. Oliver Miera, Berlin, Germany
Dr. med. Johannes Müller, Berlin, Germany
Prof. Dr. Steven Niederer, London, Great Britain
PD Dr. med. Stanislav Ovroutski, Berlin, Germany
Prof. Dr. med. Joachim Photiadis, Berlin, Germany
PhD Mari Pekkanen-Mattila, Tampere, Finland
Dr. med. Björn Peters, Berlin, Germany
PD Dr. med. Evgenij Potapov, Berlin, Germany
PD Dr. med. Katharina Schmitt, Berlin, Germany
PD Dr. med. Stephan Schubert, Berlin, Germany
Prof. André Simon, M.D., London, Great Britain
Dr. med. Thomas Thouet, Berlin, Germany
Dr. med. Ewelina Türk, Berlin, Germany
Prof. Dr. med. Anselm Uebing, Kiel, Germany
Prof. Simon Urschel, M.D., Edmonton, Canada
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Prof. Dr. med. Daniel Zimpfer, Wien, Austria
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Dr. B. Peters | PD Dr. K. Schmitt | PD Dr. S. Schubert

Organization Committee:
Daniela Moeske-Scholz | Heike Schultz | Sonja Wibbeke

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CME and EBAC is pending
Hope to see you all again at the 16th DHZB Lange Symposium
Berlin September 19/20, 2020