Congenital Shunt Lesions – Anything New to Consider?

14th DHZB Lange Symposium
September 22/23, 2018, Berlin
Dear colleagues,

We would again like to invite you to our annual symposium in Berlin in 2018.

The 14th DHZB Lange Symposium for Congenital Heart Disease will take place on September 22-23, 2018, at the dbb Forum Berlin, Friedrichstr. 169/170, 10117 Berlin.

This year’s topic, “Congenital shunt lesions”, sounds at first glance like a conservative medical topic. However, at a closer look there are still many unmet clinical needs, undiscovered pathophysiological mechanisms, as well as new exciting methodologies and technologies to illuminate the topic from different perspectives. Moreover, we are very pleased to have attracted many international specialists for the exciting related topics. What else is new? Digital medicine – the ability to submit questions online during the lectures – will be available to hopefully lead to even more robust communication and exchanges between the lecturers and the audience. Finally, a new scientific quiz with a battle will also take place to encourage you, the experts, to reflect and share your thoughts with all of us.

The main topics will be:

- Keynote Lecture: Congenital Shunt Lesions: The Birth of Heart Surgery
- Basic and Future Considerations
- VSD - Boring or Burning
- The Saturday High Noon Lecture: Big Data in Medicine / Wearables and their Benefit in Medicine
- Low and High Pressure Shunts
- The Sunday Morning Special Session
- Vessels out of Control
- Keynote Lecture: „Artificial Intelligence in Medicine"
- Congeni(t)al Shunts

To complement the scientific program there will be a Get Together at the venue on the evening of 22 September 2018 to allow further contacting and continued discussion.

We are very much looking forward to an interesting symposium and hope that we will be able to welcome you in large numbers in September 2018.

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

PD Dr. med. **Tonio Ball** is head of the Translational Neurotechnology Lab at the University of Freiburg, Germany, where he also earned his MD. He works with intracranial and non-invasive EEG, including optimization of EEG acquisition, implant development, and application in BCIs, e.g., for the closed-loop online control of robotic systems. Recently, he focusses on application of deep learning techniques for improving online and offline decoding of information from EEG signals. He worked as a PostDoc for the Heidelberg Academy of Sciences and Humanities’s, and is a founding member of the Bernstein Center Freiburg and of the Cluster of Excellence BrainLinks-BrainTools in Freiburg.

Professor Dr. med. **Markus Heinemann** is a pediatric cardiac surgeon who trained mainly at Hannover Medical School. 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.

Professor Dr. med. **Bea Latal** is head of the Department of Developmental Pediatrics at the Universitäts-Kinderspital (University Children's Hospital) Zürich - Eleonore Foundation. In 2007 she received her Habilitation (postdoctoral university lecturing qualification) in developmental pediatrics with a thesis on the developmental prognosis of prematurely born children. Since 2005 she has been the chief consultant in the Department of Developmental Pediatrics, specializing in children at high risk, in particular children with a congenital heart defect. Bea Latal has received the Newburger-Bellinger Award and the Georg Friedrich Götz Prize. She has published a large number of research and review articles and has succeeded in acquiring competitive third-party funding for diverse projects.
I. Basic and Future Considerations
Chairmen: Kühne / Abdul-Khaliq

Keynote Lecture
09:15 Congenital shunt lesions: The birth of heart surgery Heinemann
09:45 The burden of volume load and cyanosis Ovroutski
10:05 Quantification of volume load and oxygenation Nordmeyer
10:25 Contractile patches – wishes and visions Weinberger

10:45 Break

II. VSD – Boring or Burning
Chairmen: Siepe / Stumper
11:15 Indication and optimal timing of treatment Abdul-Khaliq
11:30 Fenestrated VSD closure – really needed Murin
11:45 Complex VSD morphology (non or doubly committed / septation / Swiss) Siepe
12:00 Much ado about nothing: VSD – to close or not to close? Schubert
12:15 Intervention / hybrid therapy Dähnert
12:30 Thoracoscopic treatment: next generation surgery Omelchenko

12:45 Ask the experts

13:00 Lunch
III. The Saturday Afternoon Highlight Lecture
Chairmen: Ovroutski

14:30 Train the brain in congenital heart disease: Latal
Neuroprotection and interventions during childhood

IV. Battle of the Experts
Chairmen: Ovroutski / Schmitt

15:00 Interactive Scientific Team Competition International Teams

16:00 Break

V. Low and High Pressure Shunts
Chairmen: Sandica / Schubert

ASD – mission completed?
16:30 a) Right side view Grohmann
16:50 b) Left side view Tutarel

17:10 PDA: from adult to preterm Zunzunegui
17:30 Malign lesions: Anderson
   aortopulmonary window und LV tunnel

17:50 Ask the experts
18:05 Get together
VI. The Sunday Morning Special Session
Chairmen: Dähnert / Miera

09:30 Arteriogenesis: physiological and pathological growth       Troidl
09:50 Rheology / viscosity                      Simmonds
10:10 Hemoglobine management: Blood, the very special juice   Schmitt
10:30 Late presenters (PAH, fibrosis, arrhythmia, endocarditis) Diller

10:50 Coffee Break

VII. Vessels out of Control
Chairmen: Schmitt / Ewert

11:30 Aorto-pulmonary and veno-venous collaterals              Stumper
11:50 Sequestration / pulmonary AV malformation               Dittrich
12:10 Cerebral vascular malformation                        Henkes
12:30 Coronary fistula                                   Sivakumar
12:50 Infradiaphragmatic malformations                      Opgen-Rhein

13:15 Lunch Break
Keynote Lecture
14:10 "Artificial Intelligence in Medicine" Ball

VIII. Congeni(t)al Shunts
Chairmen: Photiadis / Dittrich

14:40 Size, length, location Sandica
15:00 PDA: nature is best Schranz
15:20 Interventional AP shunts Ewert

15:40 Lottery Drawing

15:50 Closing remarks Berger

15:55 End
Faculty

Prof. Dr. med. Hashim Abdul-Khaliq, Homburg, Germany
Prof. Dr. med. Felix Berger, Berlin, Germany
Prof. Dr. med. Ingo Dähnert, Leipzig, Germany
Prof. Dr. med. Gerhard-Paul Diller, Münster, Germany
Prof. Dr. med. Sven Dittrich, Erlangen, Germany
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Prof. Dr. med. Titus Kühne, Berlin, Germany
Prof. Dr. med. Bea Latal, Zürich, Switzerland
Dr. med. Oliver Miera, Berlin, Germany
MU Dr. med. Peter Murin, Berlin, Germany
Dr. med. Sarah Nordmeyer, Berlin, Germany

Prof. Alexander Y. Omelchenko, M.D., PhD., Novosibirsk, Russia
Dr. med. Bern Opgen-Rhein, Berlin, Germany
PD Dr. med. Stanislav Ovrutskiy, Berlin, Germany
Prof. Dr. med. Joachim Photiadis, Berlin, Germany
Dr. med. Eugen Sandica, Bad Oeynhausen, Germany
PD Dr. med. Katharina Schmitt, Berlin, Germany
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PD Dr. med. Stephan Schubert, Berlin, Germany
Prof. Dr. med. Matthias Siepe, Freiburg, Germany
Prof. Michael J. Simmonds, PhD, AEP, Brisbane, Australia
K. Sivakumar MD, Chennai, India
Prof. Oliver Stumper, M.D., Birmingham, Great Britain
Dr. med. Kerstin Troidl, Berlin, Germany
PD Dr. med. Oktay Tutarel, München, Germany
Dr. med. Florian Weinberger, Hamburg, Germany
Prof. Jose Luis Zunzunegui, M.D., Madrid, Spain
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International Society for Adult Congenital Heart Disease

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PD Dr. S. Schubert | PD Dr. K. Schmitt

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

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CME and EBAC pending
Hope to see you all again at the 15th DHZB Lange Symposium
Berlin September 21./22., 2019