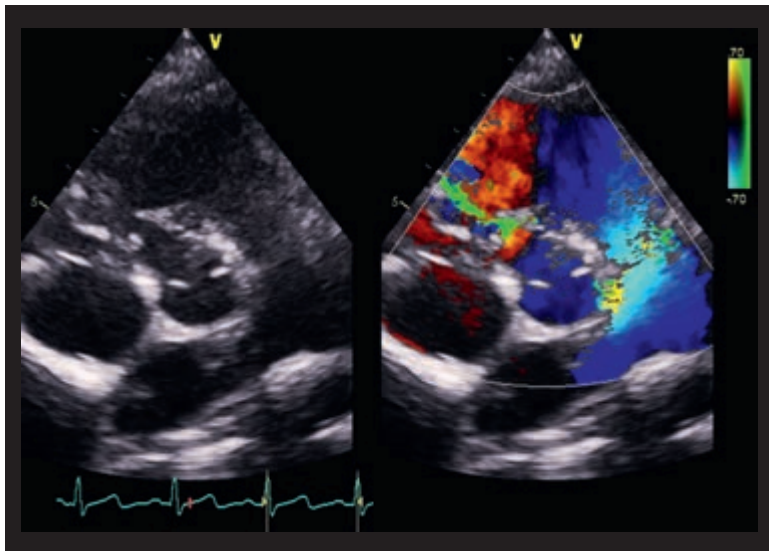




DEUTSCHES HERZZENTRUM BERLIN
STIFTUNG DES BÜRGERLICHEN RECHTS



Congenital Shunt Lesions – Anything New to Consider?



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



dbb forum berlin
Friedrichstraße 169–170 • 10117 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.

A handwritten signature in blue ink, appearing to read 'F. Berger', written in a cursive, flowing style.

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 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.



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.



Saturday, September 22, 2018

08:30 Opening

09:00 Welcome and „warm up“

Berger

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 / Schmitt

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

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:
aortopulmonary window und LV tunnel | Anderson |
| 17:50 | Ask the experts | |
| 18:05 | Get together | |

Sunday, September 23, 2018

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. David R. Anderson, M.D.,
London, Great Britain

PD Dr. med. Tonio Ball,
Freiburg, 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

Prof. Dr. med. Peter Ewert,
München, Germany

PD Dr. med. Jochen Grohmann,
Freiburg, Germany

Prof. Dr. med. Markus Heinemann,
Mainz, Germany

Prof. Dr. med. Hans Henkes,
Stuttgart, Germany

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

Prof. Dr. med. Dietmar Schranz,
Gießen, Germany

PD Dr. med. Stephan Schubert,
Berlin, Germany

Prof. Dr. med. Matthias Siede,
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

Under the auspices of:



Deutsche Gesellschaft für
Pädiatrische Kardiologie e.V.



BBGK e.V.
Berlin-Brandenburgische
Gesellschaft für Herz- und
Kreislauferkrankungen e.V.



International Society for
Adult Congenital Heart Disease



DZHK
DEUTSCHES ZENTRUM FÜR
HERZ-KREISLAUF-FORSCHUNG E.V.

Deutsches Zentrum
für Herz-Kreislauf-Forschung

Sponsors

We express our thanks for generous support

Gold Sponsors: **Medtronic**

Silver Sponsors:  **Abbott**  **ACTELION**  **GORE**
Creative Technologies Worldwide

Bronze Sponsors:  **Bentley**  **GE Healthcare**  **Lifetech**  **Occlutech**  **ORION PHARMA**
BUILDING WELL-BEING

Sponsors: Angiopro, Berlin Heart, Edwards, PFM, Philips, Teleflex

- at time of going to publication not all sponsors were known -



Transparency Code

Details of sponsorship of the event are to be found on our website: www.lange-symposium.de

Organisation and Registration

Scientific Committee:

Prof. Dr. F. Berger | Prof. Dr. T. Kühne | PD Dr. S. Ovrutskiy
PD Dr. S. Schubert | PD Dr. K. Schmitt

Organization Committee:

Daniela Moeske-Scholz | Heike Schultz | Sonja Wibbeke

Department of Congenital Heart Disease / Pediatric Cardiology

Deutsches Herzzentrum Berlin and Charité – Universitätsmedizin Berlin
Augustenburger Platz 1 | 13353 Berlin

Phone: +49 / 30 / 4593 - 2810

Fax: +49 / 30 / 4593 - 2862

E-mail: info@lange-symposium.de

Registration fee Saturday and Sunday (Euro)

Payment received	regular	reduced*
till 30.06.2018	€ 220	€ 170
till 21.09.2018	€ 260	€ 190
Onsite registration	€ 310	€ 210
*Students / Nurses		

Please transfer the appropriate amount to:

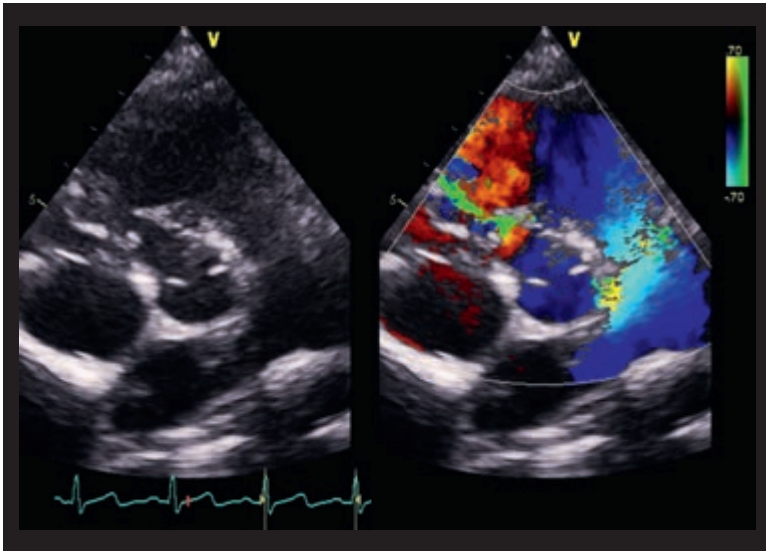
Name: DHZB DL GmbH
Commerzbank AG
Bank code: 100 800 00
Account no.: 0 667 570 000
IBAN: DE16 1008 0000 0667 5700 00
BIC: DRESDEFF100
Reference: kikasymp2018 (and your name)

Please register online:

info@lange-symposium.de | www.lange-symposium.de

CME-Certified 14 points, EBAC 11 points

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



DEUTSCHES HERZZENTRUM BERLIN
STIFTUNG DES BÜRGERLICHEN RECHTS



dbb forum berlin
Friedrichstraße 169–170 • 10117 Berlin