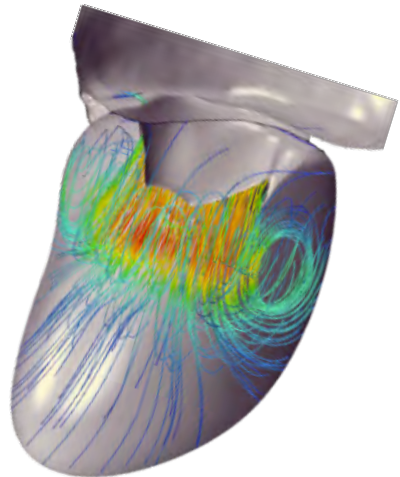
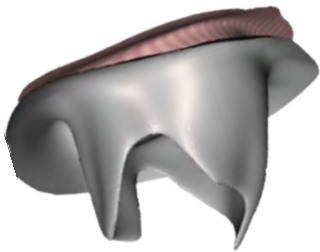




DEUTSCHES HERZZENTRUM BERLIN
STIFTUNG DES BÜRGERLICHEN RECHTS



New Valve – New Power



17th DHZB Lange Symposium
September 17/18, 2022



dbb forum berlin
Friedrichstraße 169 - 170
10117 Berlin

 www.lange-symposium.de

Dear colleagues,

After two years pandemic and severe restriction in personal and individual scientific exchange we would like to start again with a face-to-face meeting regarding Congenital Heart Disease. Therefore, we would like to cordially invite you to our annual symposium in Berlin in 2022.

This year's symposium will be dedicated to the topic of interventional heart valve treatment.

“New Valve – New Power”


Since the world's first successful transcatheter valve implantation in 2000 by Prof. Philipp Bonhoeffer in the pulmonary position, transcatheter aortic valve implantation by Prof. Alain Cribier followed just 2 years later. Recently, the AV valves have become the special focus of interest in the development of novel technology. Thus, transcatheter therapy methods are currently available for all 4 heart valves. Overall, there has been an indescribably rapid and scientifically sound technological development in the field of transcatheter heart valve therapy, which significantly enhanced therapy safety and expanded options for therapy.

With this symposium we would like to bring you closer to the groundbreaking and latest findings and developments in the field of transcatheter heart valve therapy and also dare to look into the future. Besides the special indication of pulmonary valve therapy for congenital heart defects, most of the technological developments take place in the area of acquired heart valve defects. Therefore, we also want to discuss the extent to which all these new developments can benefit our patients with congenital heart defects. We are pleased that we have gained very well-known specialists who will cultivate scientific exchange with you in an open and friendly atmosphere with many opportunities for discussion as part of the DHZB Lange Symposium.

To complement the scientific program there will be a *Get Together* at the venue on the evening of September 17, 2022 to allow for continued discussion and to get in contact with each other.

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 2022.

On behalf of the entire scientific committee



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

Education credits: CME 16 points and EBAC 13 points.

Saturday, September 17, 2022

08:45	Opening	
08:55	Welcoming and "Warm up"	Berger
	I. Peter E. Lange Lecture	
09:00	Heart valves - A miracle of nature	Sievers
	II. Aortic Valve	
	Moderators: Klein / Photiadis	
09:30	Cutting edge of TAVR therapy	Klein
09:50	Are we ready for All-Comers Transcatheter Aortic Valve Implantation?	Blankenberg
10:10	The door is open for TAVR in ACHD	Kaleschke
10:30	In silico development and testing of Aortic Valves	Brüning
10:50	Break	
	III. Mitral Valve	
	Moderators: Kempfert / Noack	
11:10	Clipping and anulus management	Noack
11:30	Transcatheter Mitral Valve replacement	Conradi
11:50	The surgical answer - Now and tomorrow	Kempfert
12:10	Congenital mitral valve disease needs more than a clip	Cho

IV. Grand Debate

Moderators: Blankenberg / Falk

- | | | |
|-------|---------------------------------------|--------|
| 12:30 | Life-Time management of valve therapy | Falk |
| 12:50 | Grand Debate left-sided heart valves | Plenum |
| 13:15 | Lunch Break | |

V. Keynote Lecture

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|-------|---|--------------|
| 14:30 | Combining Imaging and Omics for Precision medicine in heart valve disease | S. Nordmeyer |
|-------|---|--------------|

VI. Pulmonary Valve

Moderators: J. Nordmeyer / Qureshi

- | | | |
|-------|---|--------------|
| 14:50 | Two decades of ballon expanding valves | Schubert |
| 15:10 | All good with Transcatheter PVR or are there clouds at the horizon? | J. Nordmeyer |
| | <i>Self expanding valves in the RVOT</i> | |
| 15:30 | ... the US - perspective | Gillespie |
| 15:50 | ... the EU - perspective | Qureshi |
| 16:10 | Ask the experts | |
| 16:25 | Break | |

VII. Tricuspid Valve

Moderators: Besler / Lurz

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|-------|---|-----------|
| 16:55 | Tricuspid valve dysfunction is a system's disease | Besler |
| 17:15 | Transcatheter solutions for tricuspid valve disease | Dreger |
| 17:35 | Tricuspid valve in pressure loaded RV - Ready to enter the interventional road? | Lurz |
| 17:55 | Congenital Tricuspid Valve disease - Too complicated for devices | Photiadis |
| 18:15 | Ask the experts | |
| 18:30 | Adjourn | |

VIII. Sunday Morning Highlight Lecture

09:30	The Fontan circulation – A paradigm for a valveless circulation – Wishful thinking or valid option?	Rychik
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IX. Valveless Circulation ...

Moderators: Rychik / Zimpfer

09:50	Valved Fontan conduit: Back to the roots?	Ovroutski
10:10	AV valves in univentricular circulation	Gaudin
10:30	Pre TX - Conditioning in failing fontan with valved silikon pump	Zimpfer
10:50	Physiological adaptation after TX in single ventricle - From one to four valves	Coats
11:10	Ask the experts	
11:25	Break	

X. Keynote Lecture

11:50	How mechanotransduction can stimulate growth in living tissues	Vogel
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XI. Pediatric Heart Valves

Moderators: Emani / B. Schmitt

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|-------|---|------------|
| 12:10 | Pediatric heart valve replacement: An interplay of regeneration and degeneration | Stamm |
| 12:30 | Autologous heart valves: The answer to all of our questions? | B. Schmitt |
| 12:50 | Finally a heart valve for children | Emani |
| 13:10 | New heart valves in industrialised and emerging countries: Does it make a difference? | Zilla |
| 13:30 | Ask the experts | |
| 13:45 | Lunch Break | |

XII. Computational Era in Heart Valve Disease - *DZHK Session*

Moderators: Kühne / K. Schmitt

- | | | |
|-------|---|------------|
| 14:45 | Automated risk prediction of outcomes on the basis of real world data | Kelm |
| 15:05 | Computational models for personalized interventional planning | Vellguth |
| 15:25 | Machine learning for risk assessment of TAVR | Hennemuth |
| 15:45 | Augmented reality guidance of AV valve interventions | Sündermann |
| 16:05 | Ask the experts | |

XIII. Conclusion

16:15	Lottery Drawing	Kühne / Nordmeyer / Schmitt
16:25	Closing remarks	Berger
16:30	End of Symposium	

Faculty

Prof. Christian Besler MD
Leipzig, Germany

Prof. Stefan Blankenberg MD
Hamburg, Germany

Jan Brüning PhD
Berlin, Germany

Mi-Young Cho MD
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Louise Coats, MD, PhD
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Under the auspices of:



Deutsche Gesellschaft für
Pädiatrische Kardiologie und
Angeborene Herzfehler e.V.



DZHK

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für Herz-Kreislauf-Forschung



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Organization and Registration

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Prof. J. Nordmeyer MD PhD | Prof. T. Kühne MD

Organization Committee:

Heike Schultz | Daniela Moeske-Scholz | Sonja Wibbeke

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Please register online:

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

Registration fee:

	Regular	Reduced (Juniors/Students/Nurses)
until Jun 30	260,- €	210,- €
until Sep 16	300,- €	230,- €
onsite	350,- €	260,- €

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Hope to see you all again at the 18th DHZB Lange Symposium Berlin, September 16/17, 2023



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