



Leipzig Perioperative TEE Masterclass

State of the art and beyond

June 3rd – 5th, 2024

Program





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GREETINGS

Dear Colleagues,

On behalf of the **Herzzentrum Leipzig** and the international faculties it is our great pleasure to welcome you to our **Leipzig Perioperative TEE Masterclass!**

Due to its great success, we are now hosting the event for the third time. We look forward to welcoming you **directly on site in Leipzig or via live stream.**

We will present in a unique way probe handling, knobology and TEE images in the best HD quality live from the operating rooms of the Heart Center Leipzig. You will have a **simultaneous view of the TEE image, the probe and the operating echocardiographer on a three-part screen.** On three days of the event, we will be showing three parallel interventions live from our operating rooms in the morning as well as in the afternoon.

Questions from the auditorium to the actors in the operating room can be passed on directly from the chair. Participants in the stream will have the opportunity to ask questions via a chat function.

As the entire event is recorded, you have the unique advantage of being able to watch the videos in the online media library again and again for a year!

You can also benefit from the practical hands-on workshops! Please find more information in the program.



Joerg Ender and Massimiliano Meineri
Leipzig Heart Center!



GENERAL INFORMATION

• **VENUE**

Heart Center Leipzig (HCL)

Strümpellstraße 39

04289 Leipzig

Access through the
“Helios Park-Klinikum Leipzig”

• **WIFI**

Free WIFI access is
available throughout
the building.

„Helios-WLAN-frei“

• **SCIENTIFIC COMMITTEE**

Prof. Dr. med. Joerg Ender

Dr. med. Massimiliano Meineri

Heart Center Leipzig

• **CATERING**

Catering is included in the conference
fees and will be available for you at the
break times.

• **ACCREDITATION**

The Leipzig Perioperative TEE Masterclass is accredi-
ted with 21 CME credits by the European Accreditation
Council for Continuing Medical Education (EACCME®).

The Leipzig Perioperative TEE Masterclass is certified
with 27 CME credits at the State Chamber of Physicians
of Saxony.

• **NAME TAG**

For access to the lectures and workshops as well as to
the exhibition area it is necessary to wear your name
badge, which you will receive at the registration counter.



PROGRAM MONDAY

June 3, 2024

08:00 a.m.- **Session 1**

12:00 p.m. Moderators:

Ender, J. (HCL) | Shernan, S. (US-Boston) | Tsang, W. (CA-Toronto)

08:00- **Aortic Valve Replacement Pre CPB**

08:30 a.m. *Echocardiographer: Kanchi, M. (IN-Bangalore) | Flo Forner, A. (HCL)*
Surgeon: Dashkevich, A. (HCL)

- TEE Assessment for AV Surgery
- 2D and 3D Annular Measurements
- 3D LVOT Measurements and AVA Calculation

08:30- **OPCABG**

09:00 a.m. *Echocardiographer: Treskatsch, S. (DE-Berlin) | Protsyk, V. (HCL)*
Surgeon: Schröter, T. (HCL)

- Quantitative LV Assessment
- Assessment of Hemodynamics

09:00- **BASILICA/TAVI**

10:00 a.m. *Echocardiographer: Mackensen, B. (US-Washington) | Meineri, M. (HCL)*
Interventionalist: Abdel Wahab M. | Noack T. (HCL)

- Procedural Guiding with 2D and 3D TEE

10:00- **Coffee Break**

10:30 a.m. with integrated hands-on workshops in the industry exhibition*



10:30- **Aortic Valve Replacement Post CPB**

11:00 a.m. *Echocardiographer: Kanchi, M. (IN-Bangalore) | Flo Forner, A. (HCL)*
Surgeon: Dashkevich, A. (HCL)

- TEE Assessment for AV Surgery
- 2D and 3D Annular Measurements
- 3D LVOT Measurements and AVA Calculation

11:00 a.m. - **OPCABG**

12:00 p.m. *Echocardiographer: Treskatsch, S. (DE-Berlin) | Protsyk, V. (HCL)*
Surgeon: Schröter, T. (HCL)

- Quantitative LV Assessment
- Assessment of Hemodynamics

Lectures

• Quantitative TEE Hemodynamic Assessment	<i>Treskatsch, S. (DE-Berlin)</i>
• TEE assessment of Aorta and supra-aortic Vessels	<i>Nierich, A. (NL-Zwolle)</i>
• Transcatheter Tricuspid Valve Interventions	<i>Hahn, R. (US-NY)</i>
• TEER TV/MV: Which DEUvice for which patient?	<i>Noack, T. (HCL)</i>

* Not part of the scientific program



PROGRAM MONDAY

June 3, 2024

12:00–
01:00 p.m. **Lunch Break**
with integrated hands-on workshops in the industry exhibition*



01:00–
05:00 p.m. **Session 2**
Moderators:
Meineri, M. (HCL) | Bence, J. (GB-Leicester) | Julien, M. (CA-Montreal)

01:00–
02:00 p.m. **TEER Tricuspid Valve**
Echocardiographer: Ender, J. (HCL) | Tsang, W. (CA-Toronto)
Interventionalist: Kister, T.; Noack, T. (HCL)

- TV evaluation 2D and 3D
- Assessment of TV Anatomy
- Catheter guidance 2D and 3D and live MPR

02:00–
02:30 p.m. **Mitral Valve Repair Pre CPB**
Echocardiographer: Shernan, S. (US-Boston) | Flo Forner, A. (HCL)
Surgeon: Holzhey, D. (DE-Wuppertal)

- Comprehensive TEE Exam
- Assessment of MV Pathology 2D and 3D
- Quantification of Mitral valve Insufficiency

02:30–
03:00 p.m. **Aortic Valve Repair pre CPB**
Echocardiographer: Van der Maaten, J. (NL-Groningen) | Protsyk, V. (HCL)
Surgeon: Borger, M. (HCL)

- 3D MPR Assessment
- AV 3D Reconstruction
- Quantification of AI

03:00–
03:30 p.m. **Coffee Break**
with integrated hands-on workshops in the industry exhibition*



03:30–
04:00 p.m. **Mitral Valve Repair Post CPB**
Echocardiographer: Shernan, S. | Flo Forner, A. (HCL)
Surgeon: Holzhey, D. (DE-Wuppertal)

- Comprehensive TEE Exam
- Assessment of MV Pathology 2D and 3D
- Quantification of Mitral valve Insufficiency

04:00–
05:00 p.m. **Aortic Valve Repair post CPB**
Echocardiographer: Van der Maaten, J. (NL-Groningen) | Protsyk, V. (HCL)
Surgeon: Borger, M. (HCL)

- Post Repair Assessment

* Not part of the scientific program



PROGRAM TUESDAY

June 4, 2024

08:00 a.m. – **Session 3**

12:00 p.m. Moderators:

Ender, J. (HCL) | Sherman, S. (US-Boston) | Vanoverschelde J.-L. (BE-Bruxelles)

08:00 – **Mitral Valve Repair and Tricuspid Valve Repair Pre CPB**

08:30 a.m. *Echocardiographer: Julien, M. (CA-Montreal) | Flo Forner, A. (HCL)*
Surgeon: Kiefer, P. (HCL)

- 2D and 3D Evaluation of Tricuspid Valve Morphology
- 3D Annular Measurements
- Quantification of TI

08:30 – **Replacement Aorta Ascendens and partial Arch Pre CPB**

09:00 a.m. *Echocardiographer: Nierich, A. (NL-Zwolle) | Protsyk, V. (HCL)*
Surgeon: Leontyev, S. (HCL)

- TEE Visualization asc Aorta and Aortic Arch

09:00 – **TEER Mitral Valve**

10:00 a.m. *Echocardiographer: Tsang, W. (CA-Toronto) | Meineri, M. (HCL)*
Interventionalist: Kister, T. | Noack, T. (HCL)

- MV evaluation 2D and 3D
- Multiplane Transeptal Puncture
- Catheter guidance 2D and 3D

10:00 – **Coffee Break**

10:30 a.m. with integrated hands-on workshops in the industry exhibition*



10:30 – **Mitral Valve repair and Tricuspid Valve Repair Post CPB**

11:00 a.m. *Echocardiographer: Julien, M. (CA-Montreal) | Flo Forner, A. (HCL)*
Surgeon: Kiefer, P. (HCL)

- Assessment of Results

11:00 – **TEER Mitral Valve**

11:30 a.m. *Echocardiographer: Mackensen, B. (US-Washington) | Meineri, M. (HCL)*
Interventionalist: Kister, T. | Noack, T. (HCL)

- MV evaluation 2D and 3D
- Multiplane Transeptal Puncture
- Catheter guidance 2D and 3D

11:30 a.m. – **Replacement Aorta Ascendens and Arch Post CPB**

12:00 p.m. *Echocardiographer: Nierich, A. | Protsyk, V. (HCL)*
Surgeon: Leontyev, S. (HCL)

- Assessment of Results

Lectures

- Tricuspid Valve Repair: indications for surgical intervention *Noack, T. (HCL)*
- TEE for Aortic Valve Repair: 3D Planning *Vanoverschelde, J.-L. (BE-Bruxelles)*
- TEE for Mitral Valve Repair: how to plan a surgical success *Berrebi, A. (FR-Paris)*
- Ischemic MR: Echo criteria for decision making: Repair, Replace or Edge-to-edge? *Mackensen, B. (US-Washington)*



PROGRAM TUESDAY

June 4, 2024

12:00–
01:00 p.m. **Lunch Break**
with integrated hands-on workshops in the industry exhibition*



01:00–
05:00 p.m. **Session 4**
Moderators:
Meineri, M. (HCL) | Kanchi, M. (IN-Bangalore) | Van der Maaten, J.
(NL-Groningen)

01:00–
02:00 p.m. **Trans-catheter Mitral Valve-in-valve Implantation**
Echocardiographer: Mackensen, B. (US-Washington) | Ender, J. (HCL)
Interventionalist: Abdel-Wahab, M. | Noack T. (HCL)

- Procedural Guiding with TEE, 3D and MPR

02:00–
02:30 p.m. **CABG and Complex Mitral valve Repair Pre CPB**
Echocardiographer: Berrebi, A. (FR-Paris) | Flo Forner, A. (HCL)
Surgeon: Kiefer, P. (HCL)

- 3D and MPR Evaluation of Valve Morphology
- Quantification of MI
- 3D MV MoDEUIs

02:30–
03:00 p.m. **Bentall/Aortic Valve Replacement**
Echocardiographer: Vanoverschelde, J.L. | Protsyk, V. (HCL)
Surgeon: Dashkevich, A. (HCL)

- 3D MPR Assessment
- AV 3D Reconstruction
- Quantification of AI

03:00–
03:30 p.m. **Coffee Break**
with integrated hands-on workshops in the industry exhibition*



03:30–
04:00 p.m. **CABG and Complex Mitral valve Repair Post CPB**
Echocardiographer: Berrebi, A. (FR-Paris) | Flo Forner, A. (HCL)
Surgeon: Kiefer, P. (HCL)

- Evaluation of Repair

04:00–
05:00 p.m. **Bentall/Aortic Valve Replacement**
Echocardiographer: Vanoverschelde, J.-L. (BE-Bruxelles) | Protsyk, V. (HCL)
Surgeon: Dashkevich, A. (HCL)

- Postoperative Assessment

* Not part of the scientific program



PROGRAM WEDNESDAY

June 5, 2024

08:00 a.m.- **Session 5**

12:00 p.m. Moderators:

Ender, J. (HCL) | Van der Maaten, J. (NL-Groningen) | Shernan, S. (US-Boston)

08:00- **Aortic Valve Replacement/Myectomy Pre CPB**

09:00 a.m. *Echocardiographer: Tsang, W. (CA-Toronto) | Protsyk, V. (HCL)*
Surgeon: Schröter, T. (HCL)

- Evaluation AV and LVOT 3D
- MPR Septal Measurements
- Quantification of LVOT Gradients

08:30- **LVAD Pre CPB**

09:00 a.m. *Echocardiographer: Mondino, M. (IT-Milano) | Flo Forner, A. (HCL)*
Surgeon: Dashkevich, A. (HCL) | Nozdrzykowski, M. (HCL)

- Comprehensive TEE Examination
- RV Strain measurement
- Assessment of Shunts

09:00- **TEER Tricuspid Valve and Mitral Valve**

10:00 a.m. *Echocardiographer: Meineri, M. (HCL) | Sgouropoulou, S.*
Interventionalist: Kister, T. | Noack, T. (HCL)

- TV evaluation 2D and 3D
- Assessment of TV Anatomy
- Catheter guidance 2D and 3D and live MPR

10:00- **Coffee Break**

10:30 a.m. with integrated hands-on workshops in the industry exhibition*



10:30- **Aortic Valve Replacement/Myectomy Post CPB**

11:00 a.m. *Echocardiographer: Tsang, W. (CA-Toronto) | Protsyk, V. (HCL)*
Surgeon: Schröter, T. (HCL)

- Post surgery evaluation

11:00- **LVAD post CPB**

11:30 a.m. *Echocardiographer: Mondino, M. (IT-Milano) | Flo Forner, A. (HCL)*
Surgeon: Dashkevich, A. | Nozdrzykowski, M. (HCL)

- Assessment of Results

11:30 a.m. - **ASD Closure**

12:00 p.m. *Echocardiographer: Pöss, J. (HCL)*
Interventionalist: Sandri, M. (HCL)

- Procedural Guiding with T2D and 3D EE

Lectures

- RV Assessment in LVAD implantation *Mondino, M. (IT-Milano)*
- 3D Assessment of Aortic Valve Stenosis *Tsang, W. (CA-Toronto)*
- 3D models postprocessing in OR *Meineri, M. (HCL)*
- LAA Closure: indication, devices and outcome *Sandri, M. (HCL)*



PROGRAM WEDNESDAY

June 5, 2024

12:00–
01:00 p.m. **Lunch Break**
with integrated hands-on workshops in the industry exhibition*



01:00–
05:00 p.m. **Session 6**
Moderators:
Ender, J. (HCL) | Tsang, W. (CA-Toronto) | Fassel, J. (DE-Dresden)

01:00–
01:30 p.m. **LAA Closure**
Echocardiographer: Flo Forner, A. | Pöss, J. (HCL)
Interventionalist: Sandri, M. (HCL)

- Procedural Guiding with 2D and 3D TEE

01:30–
02:30 p.m. **Aortic Valve Replacement, VSD Closure, Pre CPB**
Echocardiographer: Bence, J. (GB-Leicester) | Ender, J. (HCL)
Surgeon: Kiefer, P. (HCL)

- 3D Assessment of VSD location and Morphology
- MPR Measurements of VSD Size
- Doppler Shunt Quantification

02:30–
03:00 p.m. **Mitral Valve Replacement**
Echocardiographer: Ackermann, A. | Protsyk, V. (HCL)
Surgeon: Leontyev, S. (HCL)

- 3D Evaluation of Morphology
- Quantification of MI
- 3D Models

03:00–
03:30 p.m. **Coffee Break**
with integrated hands-on workshops in the industry exhibition*



03:30–
04:00 p.m. **Aortic Valve Replacement, VSD Closure, Post CPB**
Echocardiographer: Bence, J. (GB-Leicester) | Sakhary, W. (HCL)
Surgeon: Kiefer, P. (HCL)

- Post excision evaluation

04:00–
05:00 p.m. **Mitral Valve Replacement**
Echocardiographer: Ackermann, A. | Protsyk, V. (HCL)
Surgeon: Leontyev, S. (HCL)

- Post Replacement Evaluation

* Not part of the scientific program



HANDS-ON WORKSHOPS

During the breaks you can attend Hands-on workshops in the industry exhibition.

Registration is not necessary.



Abbott Medical GmbH

10:00 a.m.–10:30 a.m. | 12:00 a.m.–01:00 p.m. | 03:00 p.m.–03:30 p.m.
• Advanced Virtual T-TEER Imaging



Edwards

Edwards Lifesciences GmbH

10:00 a.m.–10:30 a.m. • Mitral TEE simulator with augmented reality

12:00 a.m.–01:00 p.m. • Tricuspid TEE simulator with augmented reality

03:00 p.m.–03:30 p.m. • MPR for TTVR



SUPPORTERS

OPENING HOURS INDUSTRY EXHIBITION

Monday, 03.06.2024

10:00 a.m. – 05:30 p.m.

Tuesday, 04.06.2024

07:30 a.m. – 05:30 p.m.

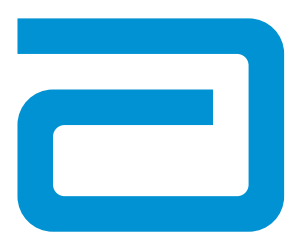
Wednesday, 05.06.2024

07:30 a.m. – 03:30 p.m.

We would like to thank our supporters!



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kfjt
LEIPZIG
2025

Kardiovaskuläre Frühjahrstagung

Save the Date!

14.-15. März 2025
Herzzentrum Leipzig



www.helioshealth-events.de/kfjt

HERZZENTRUM
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 **Helios** Health Institute