

## MCS Workshop

**Presented by**  
Deutsches Herzzentrum Berlin

**Registration/Organization**  
Mrs. Heidi Löll  
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**Maximum number of participants**  
12

**Registration deadline**  
April 30, 2019

**Registration fee**  
EUR 600

Account	DHZB DL GmbH
Bank	Commerzbank AG
Account no.	06675700
Bank code	100 800 00
SWIFT-BIC	DRESDEFF100
IBAN	DE16 1008 0000 0667 5700 00
Reference	MCS Workshop



DEUTSCHES HERZZENTRUM BERLIN  
STIFTUNG DES BÜRGERLICHEN RECHTS



**Place and Date**  
Deutsches Herzzentrum Berlin  
Augustenburger Platz 1  
13353 Berlin, Germany

Weißer Saal  
May 20 – 22, 2019

**Times**  
Monday 8:00 to 17:00  
Tuesday 8:00 to 17:00  
Wednesday 8:00 to 13:00

**Accommodation**  
on request

# Mechanical Circulatory Support Systems

**3-Day MCS Workshop  
May 20 – 22, 2019**

- Decision making
- System selection
- Implantation
- Patient care

*Certification by the Ärztekammer Berlin  
is in progress.*

Ladies and Gentlemen,

Heart failure is the number one reason for hospitalization in the western countries. The mortality rate is higher than for oncological pathologies. Due to the shortage of donor organs, heart transplantation is not an option for most patients.

Mechanical circulatory support (MCS) was introduced in the 20th century and was initially regarded as a "heroic" attempt to save patients' lives. In the 21st century, however, it has evolved into a standard treatment for acute and chronic heart failure. The number of patients with long-term MCS and the duration of ventricular assist device (VAD) support have both doubled in the past 5 years. This situation requires new approaches in device selection and postoperative management.

Our 3-day workshop presents the complexities of treating patients with end-stage heart failure in accordance with modern guidelines. Participants will be familiarized with patient selection, perioperative treatment and the management of postoperative complications.

In addition to offering theoretical lectures, the course focuses on practical skills in the operation room and hands-on training during visits to the wards.

With over 350 patients on VAD being followed by the Deutsches Herzzentrum Berlin, the outpatient department has gained in importance. Those taking part in the course will be able to participate in outpatient follow-up.

By the end of the 3-day course, the cumulative 30-year experience of the DHZB and our structured approach will help you in building or refining your VAD program.

**Prof. Dr. med. Volkmar Falk**  
Medical Director

**PD Dr. med. Evgenij Potapov**  
Co-Director, MCS Division

## MCS Workshop

### Monday

#### Theoretical knowledge

8:00	Introduction and presentation of the VAD program	<i>E. Potapov</i>
8:30	Timing and device selection Decision based DHZB guidelines	<i>E. Potapov</i>
9:30	Demonstration of different VAD systems	<i>F. Kaufmann</i>
10:30	EUROMACS database	<i>T. de By</i>
<b>11:00</b>	<b>Coffee break</b>	
11:30	Introduction to INCOR and EXCOR	<i>Berlin Heart</i>
12:30	Surgical technique of VAD implantation	<i>E. Potapov</i>
<b>13:30</b>	<b>Lunch</b>	
14:00	Intraoperative echocardiography	<i>M. Kukucka</i>
14:30	Postoperative echocardiography	<i>J. Knierim</i>
15:00	Surgical technique of LVAD explantation for recovery	<i>E. Potapov</i>
15:30	CT Imaging of VAD	<i>N. Solowjowa</i>
16:00	VAD-associated infection	<i>J. Mulzer</i>
16:30	ECLS employed for acute heart failure based on DHZB guidelines	<i>F. Hennig/C. Starck</i>

### Tuesday

#### Practical exercises and lectures

8:00	Technical problems and solutions	<i>F. Kaufmann</i>
9:00	Presentation of HM II and III	<i>Abbott</i>
<b>10:30</b>	<b>Coffee break</b>	
11:00	Anticoagulation management	<i>M. Müller</i>
12:00	Wound dressing and ICU rounds <i>S. Küchenmeister/A. Lange/B. Wichmann</i>	<i>E. Potapov</i>
<b>13:00</b>	<b>Lunch</b>	
14:00	Treatment in the ICU	<i>J. J. Eulert-Grehn</i>
14:30	Rhythmological problems in VAD patients	<i>C. Starck</i>
15:30	Comparison of different LVAD Types	<i>E. Potapov</i>

### Wednesday

#### Practical exercises and lectures

8:00	Aortic valve and LVAD	<i>E. Potapov</i>
9:00	Diagnosis and treatment of pump flow obstruction	<i>E. Potapov</i>
10:00	Follow-up of outpatients and education in the community and management of emergency situations in outpatient	<i>M. Müller</i>
11:30	Presentation of HeartWare HVAD and MVAD	<i>Medtronic</i>
13:00	Closing discussion	<i>E. Potapov</i>

**Lunch**