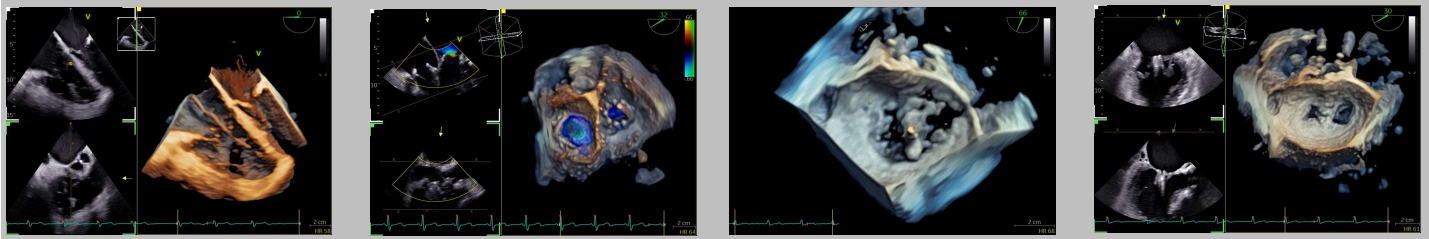


DHZB Akademie

Advanced training in echocardiography

How to use 3D Echocardiography in peri-operative period

Workshop for interventional echocardiography



Dear colleagues,

3D echocardiography has arguably been the most significant development for echocardiography in the past two decades. Over the same period of time, percutaneous transcatheter interventions for structural heart disease have become increasingly common. Also, the complexity of surgical procedures and need for intraprocedural imaging increases. Reasonable combination of 2D and 3D echocardiographic imaging offers several important advantages and add to improvement of quality and procedural safety.

In our two-day workshop we will share with you our profound experience in 3D echocardiography. Furthermore explanation and practicing of step by step image acquisition, quantification and optimal intraprocedural usage of interventional transesophageal echocardiography belong to the main part of the programme. In the hands-on sections you will get familiar with multiplanar reconstruction, cropping and various quantifications of 3D images using EchoPac (GE) and Philips software.

We believe our workshop will enable attendees to significantly enhance their understanding and appreciation of 3D echocardiography and its clinical application during transcatheter and surgical procedures.

PD Dr. med. Marian Kukucka

Kooperationspartner



DEUTSCHES HERZZENTRUM
DER CHARITÉ



DEUTSCHES HERZZENTRUM BERLIN
STIFTUNG DES BÜRGERLICHEN RECHTS

Programme

Day 1 Friday, 20 March 2026

Session Chairs Dr. med. Alexander Mladenow / PD Dr. med. Marian Kukucka

3D imaging step by step

Color Doppler 3D imaging, Cutting & Cropping.

Left ventricle. Imaging, Quantification, Pitfalls.

Right ventricle. Imaging, Quantification, Pitfalls.

Mitral valve. Imaging, Quantification, Pitfalls.

Tricuspid valve. Imaging, Quantification, Pitfalls

Aortic and pulmonic valve. Imaging, Quantification, Pitfalls.

Use of 3D Echocardiography during cardiac surgery

Day 2 Saturday, 21 March 2026

Session Chairs Dr. med. Alexander Mladenow / PD Dr. med. Marian Kukucka

Guiding for mitral transcatheter edge-to-edge repair (M-TEER)

Guiding for tricuspid transcatheter edge-to-edge-repair (T-TEER)

Guiding for transcatheter tricuspid valve implantation (TTVI). Evoque valve.

Guiding for transcatheter mitral valve implantation (TMVI). Tendyne, SM3 valves.

3D TEE in congenital heart disease

3D in advanced heart failure and mechanical circulatory support