



## **Clinical Anatomy of the Heart for Successful Arrhythmia Treatment**

**29th May 2026 &**

**9th October 2026**

Herz- und Diabeteszentrum NRW  
Bad Oeynhausen

**Welcome to our one-day course on**

## **„Clinical Anatomy of the Heart for Successful Arrhythmia Treatment“**

This specialized anatomical workshop has been meticulously designed to offer electrophysiologists a profound integration of cardiac anatomy with cardiac electrophysiology and different procedural techniques. The programme goes beyond traditional anatomical and morphological courses. Almost all lectures in our programme will be interactive and showcased on dual screens. Clinical imaging, including electrograms, maps, X-rays, and more, will seamlessly be complemented by a live video demonstration of plastinated specimens. The programme provides not only anatomical and morphological insights but also „anatomical answers for EP questions“ and address „anatomical answers for technical questions“ related to different procedures with various devices. Moreover, we aim to improve the skills necessary to place catheters and balloons during ablation procedures. In addition, this course provides specific hands-on dissection with porcine hearts, aimed at better understanding tissue characteristics during positioning and placement of different catheters and leads.

Join us to elevate your expertise and improve your clinical practice in interventional arrhythmia treatment.



Maxim Didenko, M.D.  
Department of Electrophysiology  
HDZ NRW



Guram Imnadze, M.D.  
Director, Clinic A - Rhythmology  
University Hospital Ruppiner-Brandenburg



Philipp Sommer, M.D.  
Director, Department of Electrophysiology  
HDZ NRW

# Programme

## **Session 1. Radiological anatomy and anatomy for SVT / AFL**

*P. Sommer, M. Didenko, G. Imnadze*

**9:00 h**

**Welcome note**

**9:05 h**

Programme overview and objectives of the course

**9:10 h**

Embryology and radiological anatomy of the heart, ECG vectors

## **Case-based lectures with simultaneous live video demonstrations of anatomical specimens**

**9:30 h**

How to ablate slow pathways successfully and safely in AVNRT

**10:00 h**

Difficulties in accessory pathway ablation in WPW syndromes

**10:30 h**

Anatomical correlates with EGMs, mapping and block confirmation in CTI-dependent atrial flutter, anatomical difficulties during CTI ablation

**11:00 h Coffee break**

## **Session 2: Anatomy for AF ablation**

*M. Didenko, G. Imnadze*

**11.30 Uhr**

Tips and tricks for safe transseptal puncture. Anatomy of FO and IAS.

### **12:00 h**

Tips and tricks for PVI with different technologies.  
Anatomical correlates with techniques of difficult spot ablation, and differentiation of far-field EGM from PV spikes.

### **12:30 h**

Anatomical correlates for persistent and long-standing persistent atrial fibrillation ablation. Non-CTI dependent AFL, non-PV triggers, a vein of Marshall, etc.

### **13:00 h Lunch break**

## **Session 3: Anatomy for VT/PVCs ablation and conduction system pacing**

*M. Didenko, G. Imnadze*

### **14:00 h**

Anatomy for outflow tract VT/PVCs ablation

### **14:30 h**

Anatomy for non-outflow tract VT/PVCs ablation

### **15:00 h Coffee break**

## **Session 4: Hands-on workshop**

*M. Didenko, G. Imnadze, P. Sommer*

### **15:30 h**

Interactive hands-on anatomical workshop with dissection and live video demonstration (Porcine Heart)

Questions and discussion

### **16:30 h End of course**

# Important information

## Registration fee

€ 200,-- incl. VAT

## Organized by

Department of Electrophysiology  
Herz- und Diabeteszentrum Nordrhein-Westfalen  
University Hospital of the Ruhr-Universität Bochum

## Academic Lead

Univ. Prof. Dr. med. Philipp Sommer

## Faculty

Maxim Didenko, Philipp Sommer, Guram Imnadze

## Venue

Auditorium at Herz- und Diabeteszentrum NRW  
Georgstr. 11, D-32545 Bad Oeynhausen

## Accommodation

Iriemke-maw@hdz-nrw.de

## Organisation and registration (mail)

Lena Riemke-Maw  
Herz- und Diabeteszentrum NRW  
Phone +49 5731 97-1258  
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## CME certification

Participants will receive 10 CME credit points.

The meeting will take place under the auspices of the

## HDZ NRW: Medical Competence and Human Understanding

The Herz- und Diabeteszentrum Nordrhein-Westfalen (HDZ NRW), Bad Oeynhausen, is a leading international center for the treatment of cardiac, vascular and diabetic diseases. Since 1989, the HDZ NRW has been a university hospital of the Ruhr-University Bochum. The HDZ NRW professorate has also been a member of the Medical Faculty OWL at the University of Bielefeld since 2023.

Five university clinics and three university institutes have been working together under one roof for more than 30 years. Interdisciplinary collaboration, paired with state-of-the-art high-performance medicine, ensures that patients receive the best possible treatment promising the highest possible quality of life in the long term, always with a human focus. Outstanding nursing quality is achieved through established standards on the basis of scientific expertise, as well as a quality-oriented concept for training, further training and advanced training.



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