



# 5TH TEACHING COURSE OF THE ASSOCIATION FOR EUROPEAN PAEDIATRIC AND CONGENITAL CARDIOLOGY

## PEDIATRIC ARRHYTHMIAS

Organized by the AEPC Working Group of Pediatric Dysrhythmias and Electrophysiology

**MARCH 27-28, 2015**

**Historical library of Georg August University**  
Alfred-Hessel-Saal



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## Course overview

This 2-day teaching course will focus on the clinical management of various types of arrhythmias encountered in the pediatric patient and young adult with and without congenital heart disease. Emphasis will be placed on the practical aspects of common problems encountered day-to-day by the practicing pediatric cardiologist.

In order to highlight each of the clinical problems, interactive workshops have been included into the program to allow in-depth discussion with opinion leaders in the particular field. During interactive workshops 4 different topics will be presented in parallel. Each of the workshops will be repeated once to allow the audience to capture 2 out of 4 topics.

After the meeting, PDF versions of faculty presentations will be available online for the attendees.

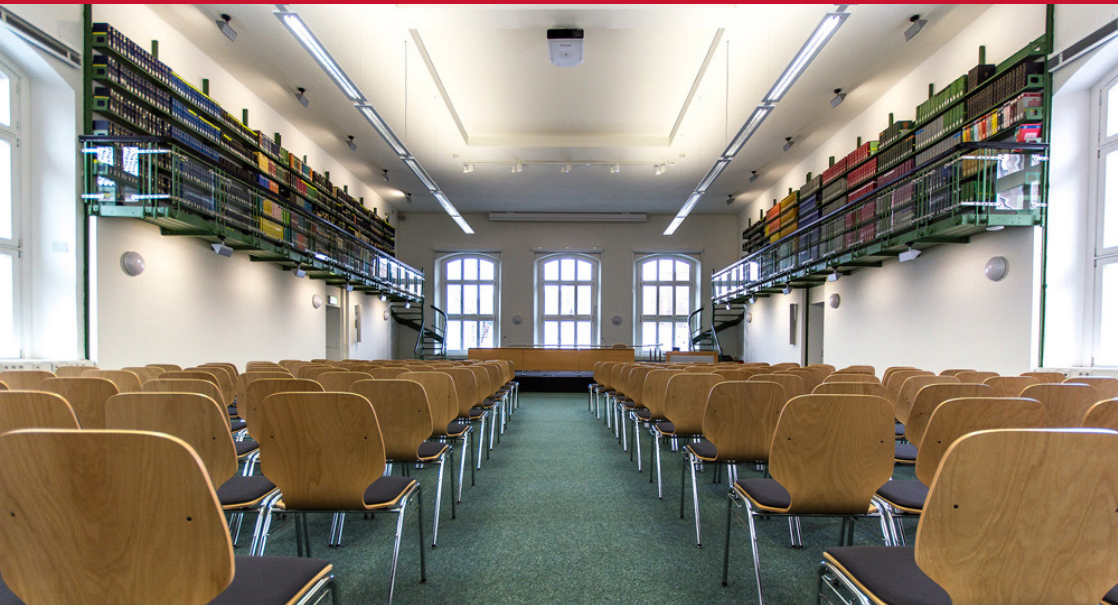
## Objectives

Enhance the ability of attendees to deal with the common issues encountered with pediatric cardiac arrhythmias. Specifically, at the conclusion of the program, the participant should be able to:

- Discuss decision making in commonly encountered arrhythmias in the pediatric patient with reference to current guidelines and consensus statements
- Discuss the management of electrical and structural cardiomyopathies including the value of genetic testing, risk assessment and the treatment appropriate for the individual patient
- Discuss the management of early postoperative tachyarrhythmias in the young as well as risk stratification for patients with late ventricular arrhythmias.
- Identify techniques for implantation of pacemakers and ICDs in the small child and in the patient with complex congenital heart disease.
  - Identify the role of cardiac resynchronization therapy in the patient with and without congenital heart disease.

## Who should attend?

Fellows and attendings in pediatric cardiology involved in arrhythmia management in children.



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## Design of the course

Throughout this teaching course we will have plenary sessions with state of the art lectures given by experts in their special fields. Interactive workshops will be held in between for teaching in small groups of 30 participants each allowing a practice-oriented teaching with in-depth discussions. During each of the interactive workshop sessions, 4 different topics will be offered. Each of the topics will be repeated once allowing the participants to attend 2 out of 4 topics, respectively.

**08:00-08:20** Registration

**08:20-08:30** Welcome and introduction  
Juha-Matti Happonen and Thomas Paul

## State of the art lectures 1: Common pediatric arrhythmias

*Moderators: Thomas Kriebel and Juha-Matti Happonen*

**08:30-09:00** Cardiac anatomy relevant for the pediatric electrophysiologist  
*Regina Bökenkamp*

**09:00-09:30** Supraventricular tachycardia in children with a normal heart:  
Pathophysiology, natural history, and contemporary management  
*J. Philip Saul*

**09:30-10:00** Management of the asymptomatic child with Wolff-Parkinson-White syndrome  
*Joachim Hebe*

**10:00-10:30** Ventricular tachycardia in children with a normal heart:  
pathophysiology, natural history, and contemporary management  
*Jean-Pierre Pfammatter*

**10:30-11:00** **Coffee break and exhibition**

*11:00-12:00 Interactive workshops I (choose 2 out of 4 )*

**11:00-11:30** *Session 1*

**11:30-12:00** *Session 2*

*a) Systematic approach to the pediatric electrocardiogram*  
*Heike Schneider*

*b) Narrow QRS complex tachycardia – differential diagnosis*  
*Juha-Matti Happonen*

*c) Wide QRS complex tachycardia – differential diagnosis*  
*Thomas Kriebel*

*d) Cardiac channelopathies – diagnostic work-up*  
*Arthur A. Wilde*

**12:00-13:00** **Lunch and exhibition**

## State of the art lectures 2: Hot topics

Moderators: *Lazlo Környei and Jan Janousek*

**13:00-13:45**      New therapeutic strategies in cardiac channelopathies  
*Arthur A. Wilde*

**13:45-14:30**      Fetal bradycardia and tachycardias – diagnosis and management  
*Nico A. Blom*

**14:30-15:00**      **Coffee break and exhibition**

**15:00-16:00**      *Interactive workshops II (choose 2 out of 4)*

**15:00-15:30**      **Session 1**

**15:30-16:00**      **Session 2**

*a)* Principles of electrophysiological study and endocardial mapping  
*Joachim Hebe*

*b)* Principles of catheter ablation of paroxysmal supraventricular tachycardia in the pediatric patient: hot and cool *Fabrizio Drago*

*c)* Pharmacological therapy of pediatric tachyarrhythmias – a systematic approach including management of tachycardias in the emergency room *Roman Gebauer*

*d)* Management of perioperative arrhythmias *Jan Janousek*

**16:00-17:00**      *Interactive workshops III (choose 2 out of 4)*

**16:00-16:30**      **Session 1**

**16:30-17:00**      **Session 2**

*a)* Sports, lifestyle and arrhythmias *Lazlo Környei*

*b)* Difficult electrocardiograms - quiz *Jean-Pierre Pfammatter*

*c)* Exercise testing in pediatric arrhythmias: protocols, indications and results *Alpay Celiker*

*d)* Syncope in the young – when to worry *Fabrizio Drago*

**18:00-19:30**      **Guided tours through historical Göttingen**  
Start in front of the meeting venue

**19:30**              **Dinner and get together evening**  
Restaurant Kartoffelhaus / Goethe-Allee 8, 37073 Göttingen  
[www.kartoffelhaus-goettingen.de](http://www.kartoffelhaus-goettingen.de)

## State of the art lectures 3: Arrhythmias in cardiomyopathies and congenital heart disease

*Moderators: Fabrizio Drago and Jean-Pierre Pfammatter*

**08:30-09:00**      Diagnosis and risk stratification in cardiomyopathies including ARVD/C  
*Nico A. Blom*

**09:00-09:30**      Risk of sudden cardiac death in congenital heart disease  
*Thomas Paul*

**09:30-10:00**      Catheter ablation of atrial tachycardia in postoperative congenital heart disease patients – the substrate is the target  
*J. Philip Saul*

**10:00-10:30**      **Coffee break and exhibition**

*10:30-12:00      Interactive workshops IV (choose 2 out of 4)*

**10:30-11:15**      **Session 1**

**11:15-12:00**      **Session 2**

**a)** Hands-on-session with postmortem specimen: anatomy of the cardiac conduction system in congenital heart disease  
*Regina Bökenkamp*

**b)** Pediatric pacemaker therapy: programming and trouble shooting  
*Alpay Celiker*

**c)** Pediatric ICD therapy: programming and trouble shooting  
*Ulrich Krause*

**d)** How to assess cardiac dyssynchrony?  
*Roman A. Gebauer*

**12:00-13:00**      **Lunch and exhibition, certification**

**13:00-13:45**      **Young Investigator Award in pediatric electrophysiology**

**13:00-13:15**      Presentation #1

**13:15-13:30**      Presentation #2

**13:30-13:45**      Presentation #3

*Announcement: Winner Young Investigator Award*



## State of the art lectures 4: Device therapy

*Moderators: Alpay Celiker and Nico Blom*

- 13:45-14:15**      Indications for pacemaker and ICD implantation in the young:  
current guidelines  
*Juha-Matti Happonen*
- 14:15-14:45**      How to pace the pediatric heart – pace and synchronize  
*Jan Janousek*
- 14:45-15:15**      ICD therapy in the young: technical considerations and results  
*Thomas Kriebel*
- 15:15**              Closing remarks and farewell  
*Juha-Matti Happonen and Thomas Paul*

### Course directors:

*Juha-Matti Happonen*, Helsinki, Finland

*Lazlo Korneyi*, Budapest, Hungary

*Thomas Kriebel*, Kaiserslautern, Germany

*Thomas Paul*, Göttingen, Germany

### Invited faculty:

*Regina Bökenkamp*, Leiden, Netherlands

*Nico A. Blom*, Leiden, Netherlands

*Fabrizio Drago*, Rome, Italy

*Roman A. Gebauer*, Leipzig, Germany

*Juha-Matti Happonen*, Helsinki, Finland

*Jan Janousek*, Prague, Czech Republic

*Lazlo Korneyi*, Budapest, Hungary

*Ulrich Krause*, Göttingen, Germany

*Thomas Kriebel*, Kaiserslautern, Germany

*Thomas Paul*, Göttingen, Germany

*Jean-Pierre Pfammatter*, Berne, Switzerland

*J. Philip Saul*, Columbus, Ohio, United States

*Heike Schneider*, Göttingen, Germany

*Arthur Wilde*, Amsterdam, Netherlands



## Enrollment and fees

Register early! Space will be limited to 120 attendees.

Advanced registration fee is € 300 for the entire 2-day course. After January 1st, 2015, the fee will be € 350. The registration fee includes program syllabus materials, faculty presentations, coffee breaks, and lunch on Friday and Saturday. The fee also includes one ticket to guided tours through Göttingen as well as the dinner/get together on Friday evening.

For registration visit [www.herzzentrum-goettingen.de/AEPC](http://www.herzzentrum-goettingen.de/AEPC). You will receive a confirmation of your registration upon completed payment.

## Cancellation

Full refund will be given provided that cancellation is received six weeks prior to the opening date of the program. A processing fee of € 100 will be charged for all cancellations received after this time and before the program opens. After the program begins, no refunds will be possible.

## Venue

Historical library of Georg August University - Alfred-Hessel-Saal  
Papendiek 14, 37073 Göttingen (see map)

## Dinner/get-together evening

On Friday night following the guided tours at 19:30, participants and faculty will meet at Restaurant Kartoffelhaus for an informal dinner and get together near the meeting venue.

## Accommodation

A total of 120 rooms has been reserved at a reduced rate until January 15, 2015, at Intercity Hotel Göttingen, Bahnhofsallee 1, 37081 Göttingen, Germany, Phone: +49-551-52110 (see map).

Please register online via mail at [goettingen@intercityhotel.de](mailto:goettingen@intercityhotel.de) with reference to the AEPC Teaching Course.

As an alternative and after January 15, 2015, book your hotel room via [www.goettingen-tourismus.de/accommodation.html](http://www.goettingen-tourismus.de/accommodation.html).

## Call for papers

The council of the AEPC working group of pediatric dysrhythmias and electrophysiology wants to offer the opportunity to young scientists in this field to present their data on current research projects in order to stimulate the community. Presentations should refer to original material which should not have been presented or published as a whole prior to the course in a peer-reviewed journal or on an international scientific meeting.

Course participants are encouraged to submit abstracts (Word document including title, authors and affiliation, text including Objectives, Methods, Results and Conclusions limited to 350 words) related to research in pediatric and congenital electrophysiology for consideration of the Outstanding Young Investigator Award. Abstracts should be sent electronically to Thomas Paul (tpaul@gwdg.de).

The organizers will choose the best 3 abstracts for oral presentation as 10-minute-presentations during the teaching course. Deadline for abstract submission will be December 31, 2014. Authors will be notified upon acceptance no later than January 15, 2015.

Best 3 abstract presenters will receive complementary registration for the teaching course. The faculty will select the recipient of the Outstanding Young Investigator Award. The winner will be honored in addition with a complementary registration including the Gala Dinner for the 49th Annual Meeting of the AEPC in Prague 2015.

## Timeline

Abstract Submission Deadline . . . . December 31, 2014

Notification of Acceptance . . . . . January 15, 2015



- ① Hotel
- ② Rail station
- ③ Historical library of Georg August University
- ④ Restaurant Kartoffelhaus



UNIVERSITÄTSMEDIZIN : UMG  
GÖTTINGEN



### Local Organizer

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### Information

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