



# FINAL PROGRAM E-BOOK

## 55<sup>th</sup>

**Annual Meeting  
of the Association  
for European  
Paediatric and  
Congenital  
Cardiology**

**May 25-28, 2022**



**Geneva,  
Switzerland**

**Local Organizers from**  
Centre Universitaire de Cardiologie  
et Chirurgie Cardiaque Pédiatrique



Hôpitaux  
Universitaires  
Genève



Centre hospitalier  
universitaire vaudois

[www.aepc2022.org](http://www.aepc2022.org)

Lausanne  
Geneva

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SAVE THE DATE FOR AEPC 2023 DUBLIN!

## WELCOME TO GENEVA

Dear friends and colleagues,

On behalf of our Local Organizing Committee from the “Centre Universitaire de Cardiologie et Chirurgie Cardiaque Pédiatrique” a collaboration between the University Hospitals of Geneva (HUG) and Vaudois University Hospital Center (CHUV) in Lausanne, it is our great pleasure to welcome you in **Geneva, Switzerland** for the **AEPC 2022 – 55th Annual Meeting of the Association for European Paediatric and Congenital Cardiology**, the very first AEPC Annual Meeting to happen in-person after a two-years break because of the pandemic.

Along the past year, we have worked very closely with the AEPC Scientific Committee and Working Groups to offer you an exciting and strong Annual Meeting program during which the particular emphasis has been placed on the latest advances and innovations while not forgetting fundamentals and educational opportunities, especially for junior specialists, students, trainees, and nurses.

Hosting many international entities such as United Nations, Red Cross, etc., Geneva is a multinational city located centrally within Europe with a very easy accessible international airport. Being a walkable and human-sized city, Geneva offers a real traveller experience with free public transport offered by the city authorities. There are a lot of close-by sites for our participants to visit at their free times after meeting hours. Day trip to Monc Blanc, a lake tour, visiting the United Nations building or CERN, walking along the lake side and at the streets of the old city are only some of the options available.

As the Annual Meeting is being organized and hosted by the Local Organizing Committee of both university hospitals of Western Switzerland we encourage you to also hop on a daily tour to Lausanne which is considered as the world wide capital of sports administration and home to the famous Olympic Museum or to join the optional post-meeting tour.

Hope you will enjoy meeting each other in real life after a long break of virtual events, your time in Geneva and the Swiss touch!

WELCOME TO SWITZERLAND! WELCOME TO GENEVA!

On behalf of the Local Organizing Committee  
Annual Meeting Co-Chairs

Prof. Maurice Beghetti

Director Centre Universitaire Romand de Cardiologie et  
Chirurgie Cardiaque Pédiatrique Geneva and Lausanne

Prof. Nicole Sekarski

Co-director Pediatric Cardiology, Centre Universitaire  
Romand de Cardiologie et Chirurgie Cardiaque Pédiatrique  
Geneva and Lausanne

Prof. Rene Prêtre

Director Pediatric and Congenital Cardiac Surgery,  
Centre Universitaire Romand de Cardiologie et Chirurgie  
Cardiaque Pédiatrique Geneva and Lausanne

Dr. Tornike Sologashvili

Co-director Pediatric and Congenital Cardiac Surgery,  
Centre Universitaire Romand de Cardiologie et Chirurgie  
Cardiaque Pédiatrique Geneva and Lausanne

# VENUE & FLOORPLANS

## ANNUAL MEETING VENUE

### CICG – International Conference Centre Geneva

**Web:** <https://cicg.ch/en/>

**Address:** 17 rue de Varembé, CH - 1202 Geneva

#### Public Transportation for CICG:

CICG is located closeby to the Place de Nations. Below listed stops for tram and bus lines are all located in few-minutes-walking distance to the venue.

Stop NATIONS: Tram line 15 / Bus line 8 / Bus line 20

Stop VERMONT: Bus line 5 / Bus line 22 (only for returning to the city centre)

Stop VAREMBÉ: Bus line 5 (only for coming from the city centre)

Stop UIT: Bus line 8

Stop COLLÈGE-SISMONDI: Tram line 15

**Link to Google Maps for the Venue:** <https://goo.gl/maps/19pz6nj7VsDzLKB89>



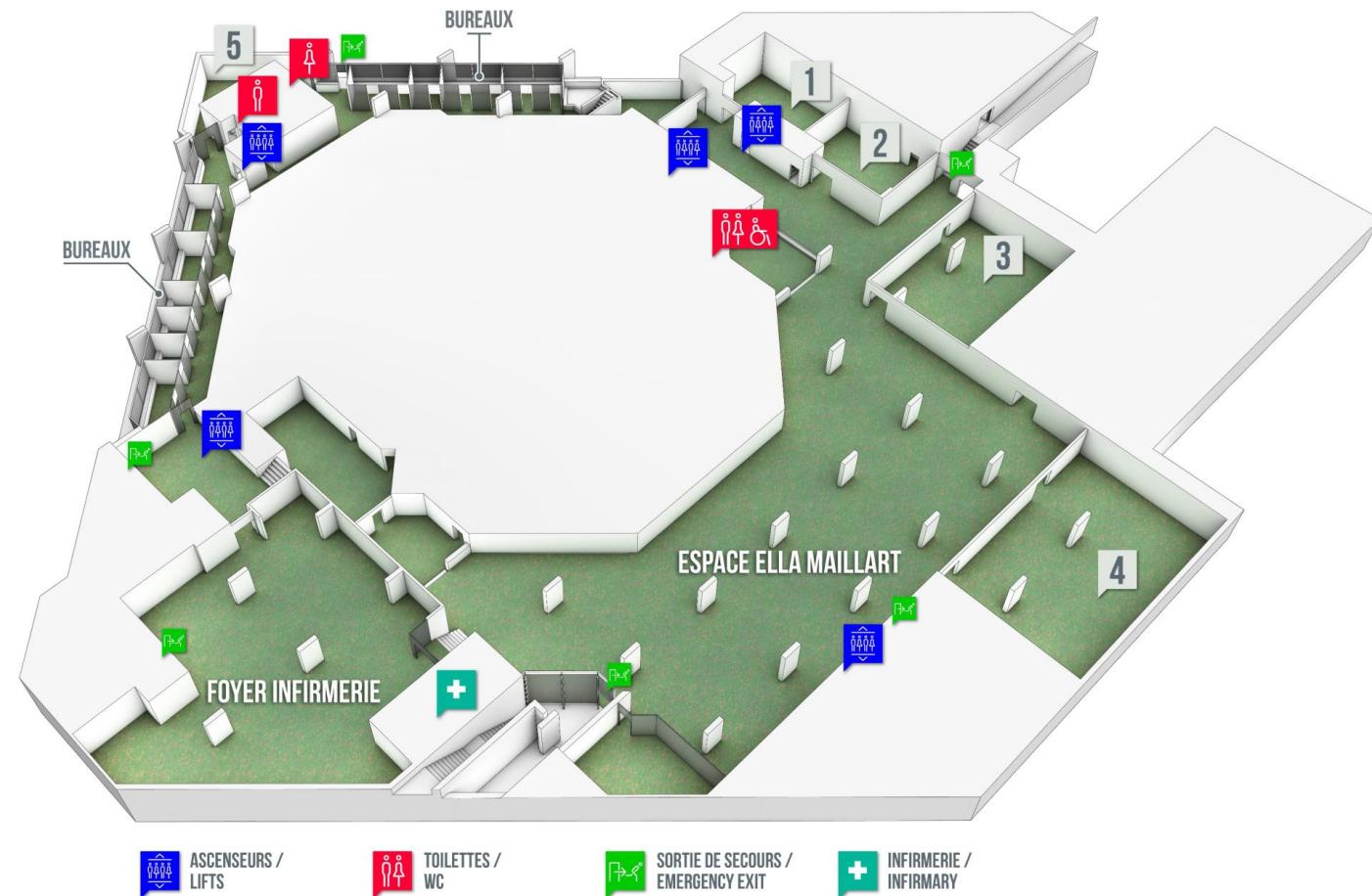
## MEETING SPACES IN THE VENUE & FLOORPLANS

Below are the list of all spaces / rooms used for the AEPC 2022 Annual Meeting. Layouts for each level is following the list. All signages of the Annual Meeting are prepared while using the original room / space names of the Venue. Therefore, you may refer to the signages of the Annual Meeting as well as the general signages within the venue while finding your way around the venue.

Annual Meeting Spaces / Halls	Level	Name of the Space as Used in the Venue Signages
Registration Area	Level 0 (Entrance Floor)	Espace Ruth Dreifuss
Exhibition Area	Level 0 (Entrance Floor)	Espace Ruth Dreifuss
Posters' Areas		
Posters of Topic "Interventional Cardiology"	Level 1	Espace Lise Girardin
Posters of Topic "Surgery and Intensive Care"	Level 1	Espace Lise Girardin
All Other Posters	Level -1	Espace Ella Maillart
Hall 1   Plenary Hall	Level 1	Amphithéâtre – D
Hall 2	Level 0 (Entrance Floor)	Salle A
Hall 3	Level 0 (Entrance Floor)	Salle B
Hall 4	Level 0 (Entrance Floor)	Salle C
Hall 5	Level 0 (Entrance Floor)	Salle S6&S7
Hall 6	Level 3	Salle E&F
Hall 7	Level -1	Salle S4
Room for the Session "Junior interventionists meet seniors"	Level 2	Salle S14
Speakers' Ready Room	Level 1	Salon Sadako Ogata 1
Meeting Rooms for Committee & WG Business Meetings	Level -1	Salle S1 Salle S2 Salle S3
(Please refer to the meeting room which has been communicated with you for your meeting)	Level 2	Salle S9 Salle S10 Salle S11 Salle S12
AEPC Exam Room	Level -1	Foyer Infirmerie

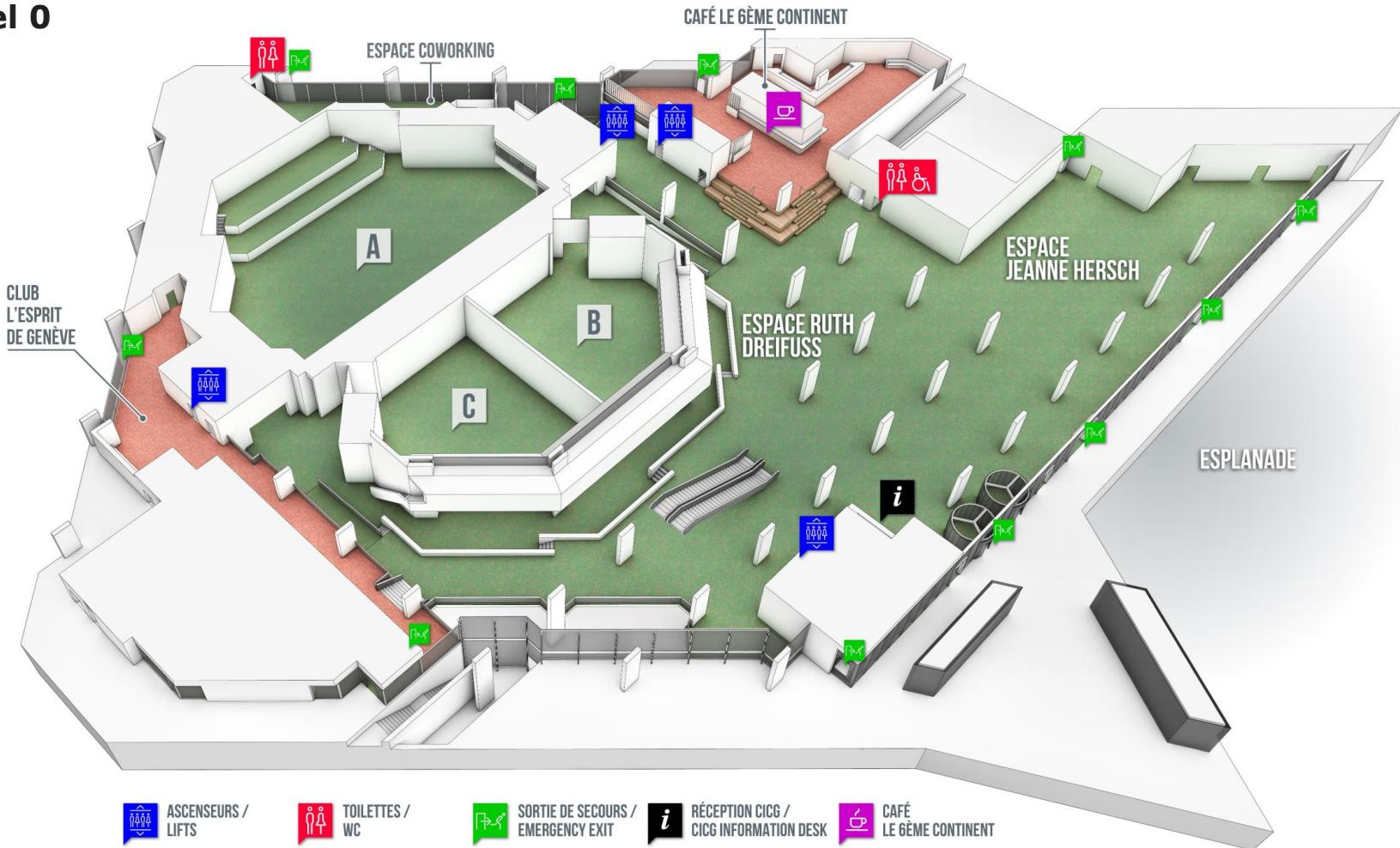
## VENUE & FLOORPLANS

### Level -1



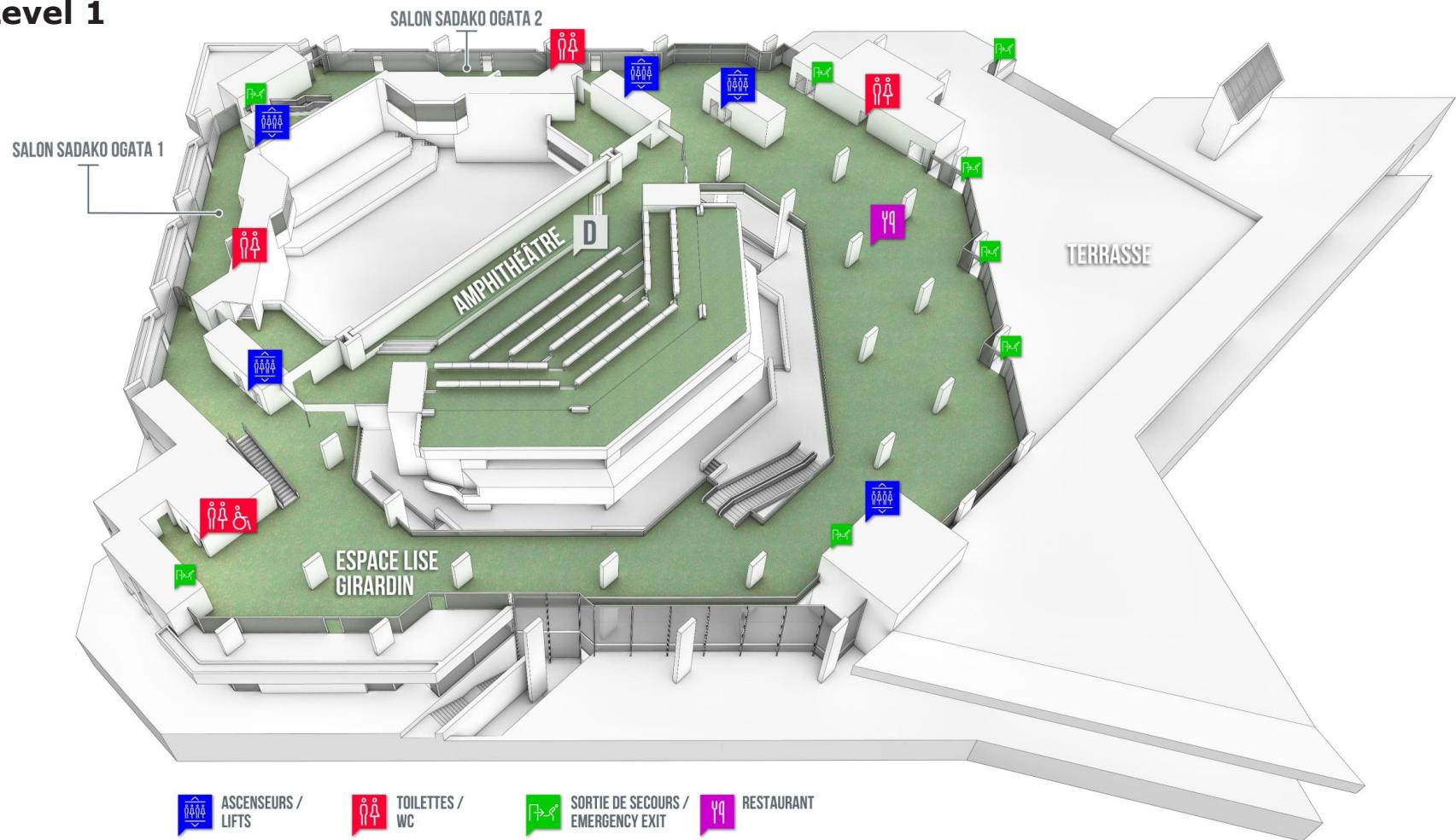
## VENUE & FLOORPLANS

### Level 0



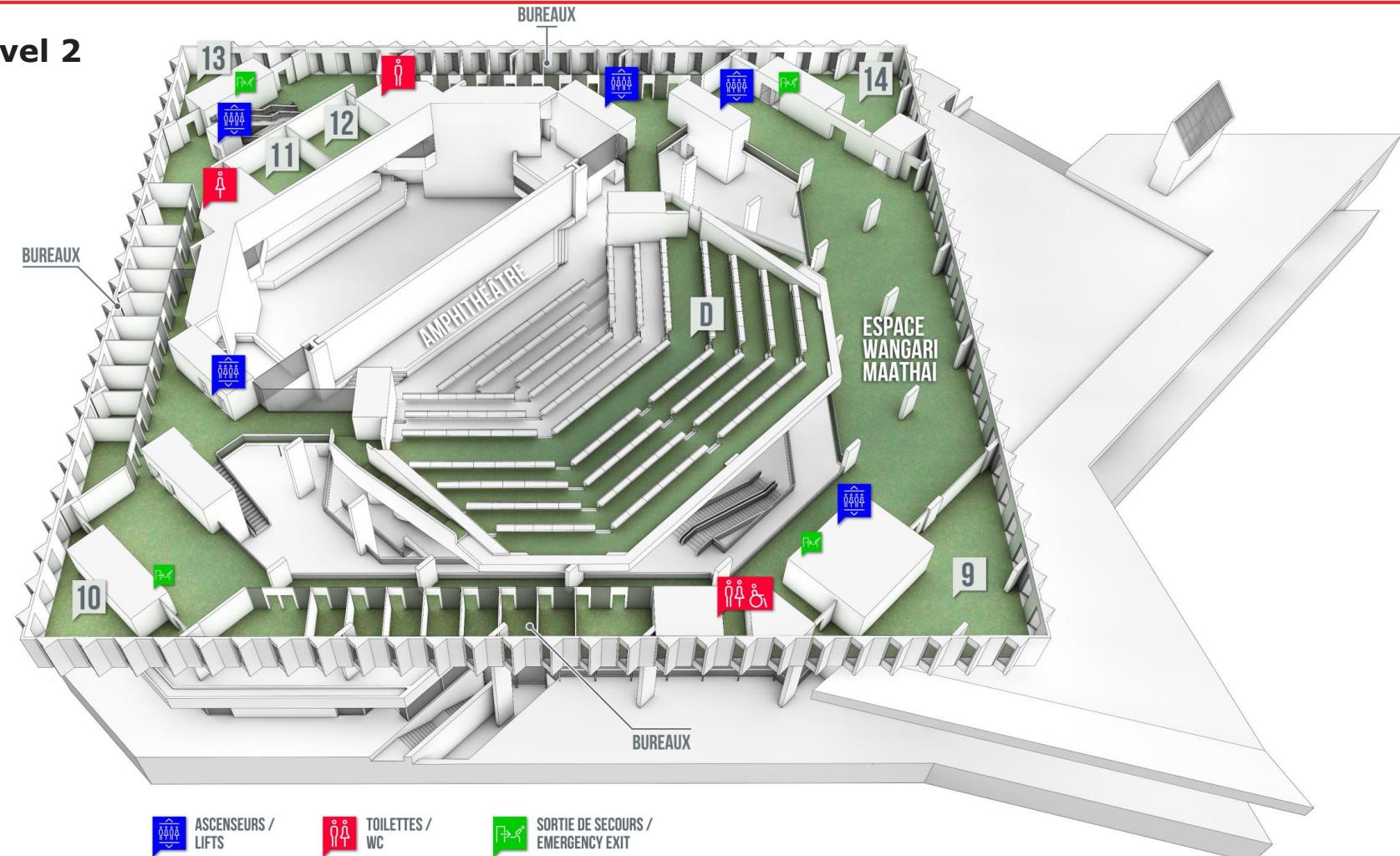
## VENUE & FLOORPLANS

### Level 1



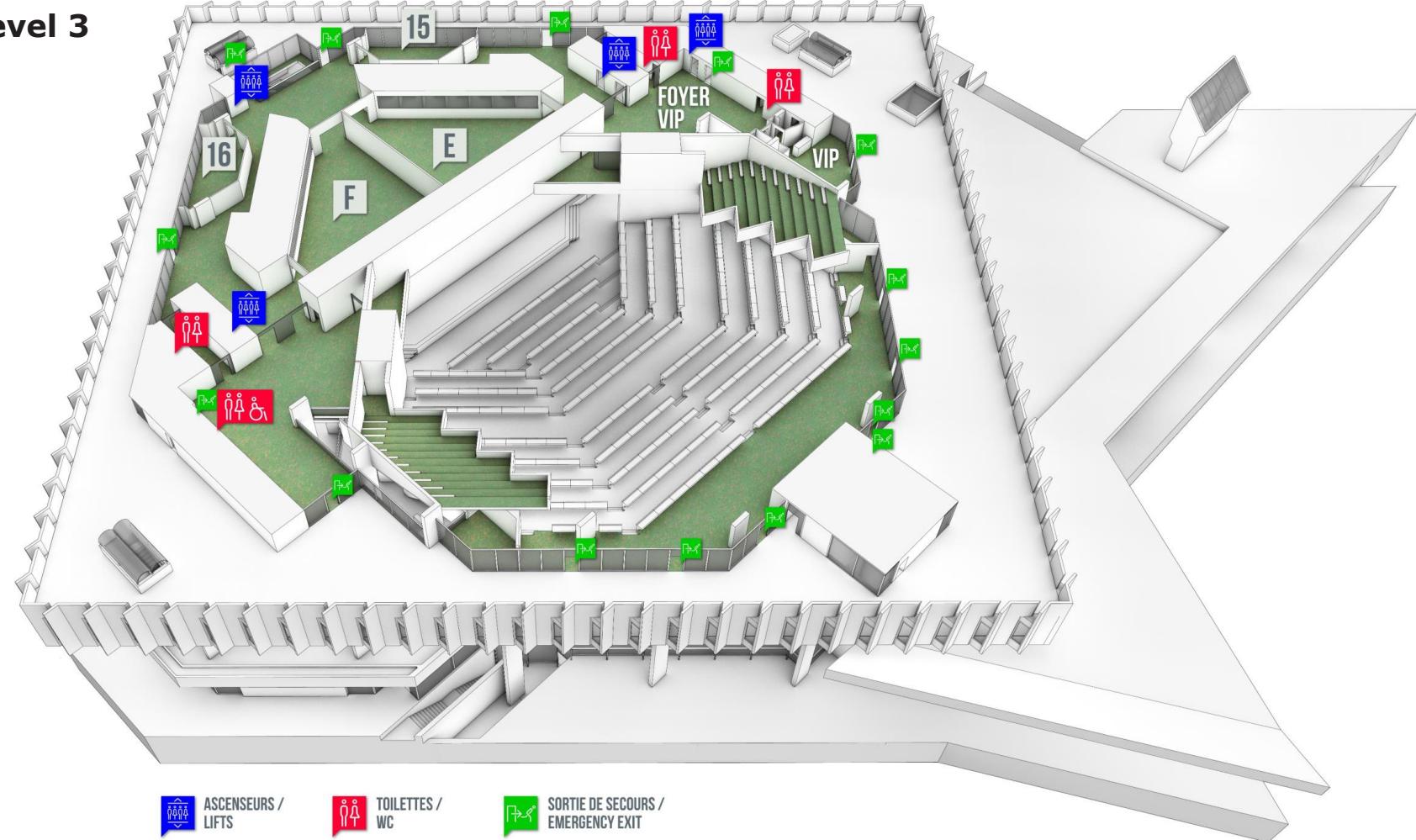
## VENUE & FLOORPLANS

### Level 2



## VENUE & FLOORPLANS

### Level 3



# GENERAL INFORMATION

## ANNUAL MEETING HOURS

### Registration Desk Opening Hours

Wednesday, May 25, 2022	07:00-17:30
Thursday, May 26, 2022	07:00-18:00
Friday, May 27, 2022	07:00-17:30
Saturday, May 28, 2022	07:00-13:30

### Daily Scientific Program Hours

#### Excluding the business meetings of Working Groups

Wednesday, May 25, 2022	16:00-17:15 Update Course & Nursing Educational Day programs are taking place from 08:00 on this day.
Thursday, May 26, 2022	11:30-18:00 AEPC Business Meeting is taking place between 09:00-11:00 on this day.
Friday, May 27, 2022	09:00-17:30
Saturday, May 28, 2022	09:00-13:30

### Exhibition Opening Hours

Wednesday, May 25, 2022	17:30-19:00
Thursday, May 26, 2022	09:00-18:00
Friday, May 27, 2022	09:00-17:30
Saturday, May 28, 2022	09:00-13:30

## SOCIAL PROGRAM

The social program and activities for the AEPC 2022 Annual Meeting are listed below:

### Opening Ceremony

Date | Time : Wednesday, May 25, 2022 | 16:00-16:45

Location : Hall 1 (Amphithéâtre – D on Level 1)

All AEPC 2022 participants are cordially invited to the Opening Ceremony.

### Welcome Reception

Date | Time : Wednesday, May 25, 2022 | 17:30-19:00

Location : Exhibition Area (Espace Ruth Dreifuss on Level 0/Entrance floor)

All AEPC 2022 participants are cordially invited to the Welcome Reception.

### Junior Members' Party

Date | Time : Thursday, May 26, 2022 | From 19:30

Being organized for the Junior members of the AEPC, the vouchers together with the location details will be provided to attendees at the registration desk.

### Nurses & Allied Health Professionals Reception

Date | Time : Thursday, May 26, 2022 | From 19:30

Being organized by the Nursing and AHPs Working Group, the vouchers together with the location details will be provided to attendees at the registration desk.

### Closing Ceremony

Date | Time : Saturday, May 28, 2022 | 13:00-13:30

Location : Hall 1 (Amphithéâtre – D on Level 1)

All AEPC 2022 participants are cordially invited to the Closing Ceremony.

# GENERAL INFORMATION

## PRACTICAL INFORMATION WITHIN THE MEETING VENUE

### Language of the Annual Meeting

The official language of the AEPC 2022 Annual Meeting is English. No translations will be available during the meeting sessions.



### Wi-Fi Network for Meeting Participants

We are pleased to offer complimentary Wi-Fi access to all AEPC 2022 participants.

Network Name : AEPC2022

Password : AEPC2022

### Dress Code for Meeting Participants

The dress code for the AEPC 2022 Annual Meeting is business formal or business casual for all occasions unless stated otherwise.

### Coffee Breaks & Lunches

Coffee breaks and lunches as stated on the program will be served in the Exhibition Area at Level 0 (Entrance floor).

## CME ACCREDITATION

AEPC 2022 Annual Meeting has been granted 13 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®).

## INFORMATION FOR SPEAKERS & PRESENTERS

All speakers and oral abstract presenters are kindly requested to upload their presentations in the Speakers' Ready Room (Salon Sadako Ogata 1 on Level 1) at least 3 hours prior to the start time of their sessions. If the session is the first session in the morning, please upload your presentation the day before.

### Speakers' Ready Room Opening Hours:

Wednesday, May 25, 2022 07:00-16:00

Thursday, May 26, 2022 07:00-18:00

Friday, May 27, 2022 07:00-16:00

Saturday, May 28, 2022 07:00-12:00

## MEETING MATERIALS FOR PARTICIPANTS

### AEPC Annual Meetings Are Going Green!

Starting by AEPC 2022 in Geneva, AEPC Annual Meetings will be Green Conferences. Therefore, there will be no printed materials besides the name badges and necessary vouchers. All meeting materials will be provided as online and/or pdf documents and all details regarding AEPC 2022 can be found on the Annual Meeting mobile application.

### Name Badges

The name badges will be distributed from the Registration Area. All participants are kindly requested to wear their name badges throughout the Annual Meeting.

### Certificates of Attendance

The certificates of attendance will be sent to all participants after the Annual Meeting via e-mail.

## GENERAL INFORMATION

### Certificates of Presentation

The presenters of oral and poster abstracts will be eligible to get a certificate of presentation which will be sent to the presenters upon request after the Annual Meeting. You may contact the Annual Meeting Secretariat (Ms. Lara Volkán at [lvolkan@kenes.com](mailto:lvolkan@kenes.com)) for getting your presentation certificates.

### Post-Meeting Survey

A post-meeting survey will be sent to all participants after the Annual Meeting. In order to get your CME Credits, you will be required to fill in this survey and submit.

### Abstract Publication

The accepted abstracts of the AEPC 2022 will be published online in two ways.

Abstracts' E-Book: The Abstracts' E-book is available on the Annual Meeting website ([www.aepc2022.org](http://www.aepc2022.org)) and also in the meeting mobile application as pdf documents.

CitY - Cardiology in the Young Journal: The accepted abstracts of the AEPC 2022 are being published in the City Journal. The publication time is approximately in September 2022. The link to CitY Journal will be shared with all participants via e-mail once the publication is completed.

### Mobile Application

The Annual Meeting mobile application is prepared for you to navigate through the Meeting details with ease and enhance your participation. You may download it through IOS/App Store or Android/ Google Play through the below QR codes.



Download from IOS/App Store



Download from Android/Google Play

Either via QR Code Either via QR Code Or via the link Or via the link The event code for the mobile application is **aepc2022**. To login the mobile app, please use the credentials that have been sent to you via e-mail before the annual meeting.

## PRACTICAL DETAILS ABOUT GENEVA & SWITZERLAND

### Time Zone

Geneva, Switzerland operates Central European Summer Time (CEST) during May which is 2 hours ahead of Greenwich Mean Time (GMT+2).

### Language in Geneva

The official language spoken in the Geneva Canton of Switzerland is French. English is widely used in many restaurants, bars, shopping areas, etc...

### Electricity

The standard voltage in Switzerland is 230 V while the standard frequency is 50 Hz. The power sockets are mostly type J which can also work for C type plugs.



# GENERAL INFORMATION

## Climate

The climate in Geneva is moderate without any excessive heat, cold or humidity. In May, the daytime temperature ranges between 10°-20 °C (50°- 68° F). The seasons are clearly distinguishable. It is highly recommended to our participants to pack a sweater, good walking shoes, sunscreen, sunglasses, a light rain coat and/or a compact umbrella to carry with.

## Currency & Exchange

The currency of Switzerland is Swiss Franc (commonly known as Franc), usually indicated as CHF which is derived from the Latin name of the country, "Confoederatio Helvetica" with the "F" standing for "Franc.". While Switzerland is not part of the European Union and thus is not obliged to convert to the Euro, many prices are indicated in Euro as well.

[Currency Converter](#)

Euro may be acceptable by many merchants but they are not obliged to do so. Change given back to the client will be most likely in Swiss francs. It is possible to change money at the following places:

- any of the Swiss banks
- airport
- main railway stations (western union may also be available)
- major hotels

The best exchange rates are usually offered by the Swiss banks (only bank notes are accepted for foreign currencies). A service fee might be charged by the official exchange offices and/or hotels for their services.

As the safest and easiest form of money, the most used credit cards in Switzerland are MasterCard, Visa and American Express.

The ATM machines of many banks in Switzerland have been equipped with the MAESTRO or CIRRUS systems for security. Swiss banks' ATM machines also offer cash advances with your credit card. Our participants are recommended to have a small amount of cash on hand upon their arrival in Switzerland for immediate expenses such as taxies, city transportation etc.

## Public Transportation

There is a very practical and well-planned public transportation network in Geneva. Trams and busses are available all around the city, at all times along the day and night. Signages (digital or printed) at all stops have information about the timetable of related lines. Please [click here](#) to review the Geneva's public transport network.

**Geneva City provides the "Geneva Transport Card" free of charge for all visitors of Geneva, staying in a hotel or a hostel as a benefit arising from city tax they are paying.** This personal (to be issued with name) and non-transferable card will be given to you upon your arrival at your accommodation. It permits unlimited travel on Geneva's public transport network (UNIRESO: bus (TPG), train (CFF) and boat (Mouettes Genevoises) for the full duration of your stay including your check out day. It is also valid for going from Gare Cornavin to the Geneva Airport on your return.



## Further City Information

Further city information can be found on the Annual Meeting website Explore Geneva section as well as from the website of the Geneva Tourism Office.

Also, Geneva Tourism Office (GTO) representatives will be present at GTO stand in the ground floor throughout the conference for providing city information to the participants of AEPC 2022.

# GENERAL INFORMATION

## Emergency Phone Numbers

As with the rest of the Switzerland, please call the below emergency numbers in the case of any emergency:

Police	: 117
Fire	: 118
Ambulance	: 144
Swiss Rescue	: 1414

## DISCLAIMER

### Liability & Insurance

The Meeting Secretariat and Organizers cannot accept liability for personal accidents or loss of or damage to private property of participants. Upon registration, participants agree that neither the AEPC Council, the Organizing Committee nor the Meeting Secretariat assumes any liabilities.

### Safety and Security

Bags and/or suitcases must not be left unattended at any time whether inside or outside the meeting venue and session halls. As all hotels do, we strongly recommend our participants to use their safety deposit boxes for their valuables.

## PROGRAM AT A GLANCE

Legend	Plenary & Keynote Lectures Abstract Sessions	WG Scientific Sessions Moderated Posters	Nursing Sessions Business Meetings	Industry Sessions Update Course
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MAY 25 - WEDNESDAY							
Time Slot	Hall 1 (Auditorium D, Floor 1)	Hall 2 (Salle A, Floor 0)	MAY 25 - WEDNESDAY				
08:00 - 16:00		08:00 - 15:40 UPDATE COURSE					
16:00 - 16:45	OPENING CEREMONY						
16:45 - 17:15	MANINHEIMER LECTURE						
17:30-19:00	WELCOME RECEPTION (Exhibition Area)						
MAY 26 - THURSDAY							
Time Slot	Hall 1 (Auditorium D, Floor 1)	Hall 2 (Salle A, Floor 0)	Hall 3 (Salle B, Floor 0)	Hall 4 (Salle C, Floor 0)	Hall 5 (Salle S6-S7, Floor 0)	Hall 6 (Salle E&F, Floor 3)	Hall 7 (Salle S4, Floor -1)
08:00 - 09:00							09:00 - 16:00 NURSING EDUCATION DAY
09:00 - 11:00	AEPC BUSINESS MEETING						
11:00 - 11:30				BREAK			
11:30 - 13:00	S01 Multimodality Imaging after the Fontan operation Separate / WG: Imaging	S02 Same lesion - different treatment? Joint / WG: Interventional Cardiology & GUCH	S03 New cardiovascular drugs and devices Joint / WG: Task Force on Clinical (drug) Trials & Cardiac Dysrhythmias and electrophysiology & Pulmonary Hypertension, Heart failure and Transplantation	S04 Tricuspid valve dysplasia – from fetus to adult Joint / WG: Fetal Cardiology & morphology (tricuspid valve)	S05 Coronary arteries in normal and abnormal hearts Joint / WG: Sports Cardiology, Physical Activity and Prevention & Interventional Cardiology	AS01 Genetics, Basic Science and Myocardial Disease	NS01 Nursing care for young and older patients with CHD during COVID-19 Separate / WG: Nursing and Allied Health Professionals
13:00 - 14:30	LUNCH BREAK	13:20 - 14:20 INDUSTRY SYMPOSIUM	S06 Morphological Session: Congenital malformations with systemic right ventricle Separate / WG: Cardiovascular Morphology	LUNCH BREAK	Junior interventionalists meet seniors Separate / WG: Interventional Cardiology <i>This session will happen in Salle 14 on Level 2</i>		LUNCH BREAK
14:30 - 16:00	S07 ECMO in ICU Joint / WG: Paediatric Cardiovascular Intensive Care, Surgical, Heart Failure	S08 From Fontan conversion to Fontan revision: is it still an option? Separate / WG: Adult Congenital Heart Disease	S09 JSPCCS-AEPC Joint Session The lymphatic system in congenital heart disease	S10 Treatment of CMP in children: Teaching session Joint / WG: Genetics, Basic Science and Myocardial Disease & Cardiac Dysrhythmia and EP & PHT/HF/HTX WGs	AS02 Cardiac Imaging / functional assessment	AS03 Interventional cardiology	NS02 Pregnancy counselling in patients with CHD Joint / WG: Nursing and Allied Health Professionals & Adult Congenital Heart Disease
16:00 - 16:30				BREAK			
16:30 - 18:00	S11 Tetralogy of Fallot - advanced imaging techniques Separate / WG: Imaging	S12 3D imaging - the future or reality in cardiac interventions Joint / WG: Interventional Cardiology & Surgery	S13 How to continue? (Un)resolved rapid fire cases. Separate / WG: Cardiac Dysrhythmias and Electrophysiology	MP01 General Cardiology	S14 Do we really need a new normal? The evidence for paediatric athlete specific cardiac references values Separate / WG: Sports cardiology, activity and prevention	AS04 Adult congenital heart disease	NS03 Abstract session of Nursing and Allied Health Professionals & Neurodevelopment and Psycho-Social Care

## PROGRAM AT A GLANCE

Legend	Plenary & Keynote Lectures Abstract Sessions	WG Scientific Sessions Moderated Posters	Nursing Sessions Business Meetings	Industry Sessions Update Course
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MAY 27 - FRIDAY							
Time Slot	Hall 1 (Auditorium D, Floor 1)	Hall 2 (Salle A, Floor 0)	Hall 3 (Salle B, Floor 0)	Hall 4 (Salle C, Floor 0)	Hall 5 (Salle S6-S7, Floor 0)	Hall 6 (Salle E&F, Floor 3)	Hall 7 (Salle S4, Floor -1)
08:00 - 09:00	WORKING GROUP BUSINESS MEETINGS (Please refer to the date and hall information that is provided to the members of each Working Group)						
09:00 - 10:30	S15 The borderline left ventricle, Risk stratification by Imaging Joint / WG: Imaging & Fetal Cardiology	S16 Innovations and the latest approach in managing ACHD patients with Heart Failure and Transplantation Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation & Adult Congenital Heart Disease	S17 Canadian Society Session	S18 Pulmonary Hypertension- Prevention, Physical Activity and competitive Sports Joint / WG: Sportscardiology, Physical Activity and Prevention & Pulmonary Hypertension	S19 Corrected transposition of the great arteries – Timing and technique Separate / WG: Congenital Heart Surgery	Young Investigator Award	NS04 Long-term perspectives after transplantation in CHD pts Joint / WG: Nursing and Allied Health Professionals & Pulmonary Hypertension, Heart Failure and Transplantation
10:30 - 11:00	BREAK						
11:00 - 11:30	HAUSDORF LECTURE						
11:30 - 12:30	AS06 Fetal cardiology	AS07 Pulmonary Hypertension, Heart Failure and Transplantation	AS08 Cardiac Imaging / functional assessment	MP02 Sports Cardiology, Physical Activity and Prevention	AS09 Interventional cardiology	MP03 Cardiac Dysrhythmias and Electrophysiology & Genetics, Basic Science and Myocardial Disease	NS05 Optimizing the journey towards surgery in CHD patients Joint / WG: Nursing and Allied Health Professionals & Congenital Heart Surgery
12:30 - 14:00	LUNCH BREAK	12:50-13:50 INDUSTRY SYMPOSIUM	S20 Morphological Session: Morphology of the ductus arteriosus Separate / WG: Cardiovascular Morphology	LUNCH BREAK		AS05 Cardiac Dysrhythmias and Electrophysiology	12:30-13:45 NS06 Florence Nightingale Lecture
14:00 - 15:30	S21 Virtual / Augmented / Mixed Reality in Congenital Cardiology Joint session CV Morphology/Imaging /Interventional	S22 PCSI - AEPC Joint Session	S23 Challenges in Paediatric Heart Transplantation Separate / WG: Pulmonary Hypertension, Heart Failure and Transplantation	MP04 Paediatric Cardiovascular Intensive Care & Adult congenital heart disease & Prevention	S24 ECG Quiz Separate / WG: Cardiac Dysrhythmias and Electrophysiology	S25 Fetal cardiovascular magnetic resonance imaging for prenatal diagnosis of complex congenital heart defects Separate / WG: Fetal Cardiology	AS10 Sports Cardiology, Physical Activity and Prevention
15:30 - 16:00	BREAK						
16:00 - 17:30	S26 COVID 19 and PIMs – what have we learned so far? Joint / WG: Imaging & Genetics, Basic Science and Myocardial Disease	S27 Challenges in Paediatric Heart Failure in small children with cardiomyopathy Transplantation Separate / WG: Pulmonary Hypertension, Heart Failure and Transplantation	S28 TGA/DORV with Pulmonary outflow tract stenosis Separate / WG: Congenital Heart Surgery	S29 Arrhythmias in adult CHD patients Separate / WG: Adult Congenital Heart Disease	S30 Puzzle the Experts Separate / WG: Fetal Cardiology	S31 Artificial Intelligence and Cardiac Intensive Care Separate / WG: Paediatric Cardiovascular Intensive Care	AS11 General Cardiology

## PROGRAM AT A GLANCE

Legend	Plenary & Keynote Lectures	WG Scientific Sessions	Nursing Sessions	Industry Sessions
	Abstract Sessions	Moderated Posters	Business Meetings	Update Course

MAY 28 - SATURDAY							
Time Slot	Hall 1 (Auditorium D, Level 1)	Hall 2 (Salle A, Level 0)	Hall 3 (Salle B, Level 0)	Hall 4 (Salle C, Level 0)	Hall 5 (Salle S6-S7, Level 0)	Hall 6 (Salle E&F, Level 3)	Hall 7 (Salle S4, Level -1)
08:00 - 09:00 WORKING GROUP BUSINESS MEETINGS <i>(Please refer to the date and hall information that is provided to the members of each Working Group)</i>							
09:00 - 10:30	S32 <b>Diagnostic Errors in CHD Imaging</b> Joint / WG: Imaging, American Society of Echo	S33 <b>Successes and failures in the cathlab</b> Separate / WG: Interventional Cardiology	S34 <b>Tell your pediatric colleagues: how is the patient doing in adulthood?</b> Separate WG / Adult congenital heart disease	AS12 <b>Paediatric Cardiovascular Intensive Care</b>	S35 <b>Clinical Management of Pre- and Post-Capillary Pulmonary Hypertension, including ECLS and Transplantation</b> Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation	AS13 <b>Cardiac Dysrhythmias and Electrophysiology</b>	NS07 <b>Methods corner: Novel interventional studies assessing outcomes in patients with CHD</b> Joint / WG: Nursing and Allied Health Professionals & Neurodevelopment and Psycho-Social Care
10:30 - 11:00	BREAK						
11:00 - 12:30	S36 <b>Percutaneous treatment for the wide RVOT</b> Separate / WG: Interventional Cardiology	S37 <b>Outcome measures in CHD research</b> Joint / WG: Task Force on Clinical (drug) Trials & Pulmonary & neurodevelopment and psycho-social care	S38 <b>Systemic right ventricle - basic and clinical aspects</b> Joint session CV Morphology/Basic Science/Fetal/ACHD/Surgery	MP05 <b>Cardiac Imaging / functional assessment &amp; Interventional cardiology</b>	S39 <b>Novelties in the indications and management of CIED in pediatric patients</b> Joint / WG: Dysrhythmias, PACES	AS14 <b>Paediatric Cardiovascular Intensive Care</b>	AS15 <b>COVID-19</b>
12:30 - 13:30	KEYNOTE LECTURE & CLOSING						

# Cardiology in the Young

Indexed in the  
Journal Citation  
Reports® (Clarivate  
Analytics)

Devoted to all aspects of paediatric and congenital cardiac care, including cardiovascular issues affecting the young as well as older patients with congenital heart disease or illness secondary to other cardiac diseases acquired during childhood.

**Cardiology in the Young is the Official Journal of the following organizations:**

- The Association for European Paediatric and Congenital Cardiology (AEPC)
- The International Society for Nomenclature of Paediatric and Congenital Heart Disease (ISNPCHD)
- The World Congress of Pediatric Cardiology and Cardiac Surgery (WCPCCS)
- Cardiac Neurodevelopmental Outcome Collaborative (CNOOC)



[cambridge.org/cty](https://cambridge.org/cty)



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UNIVERSITY PRESS

## ABOUT AEPC

### AEPC - ASSOCIATION FOR EUROPEAN PAEDIATRIC AND CONGENITAL CARDIOLOGY



ASSOCIATION FOR EUROPEAN  
 PAEDIATRIC AND CONGENITAL  
 CARDIOLOGY

The AEPC was founded in Lyon in 1963 as Association Européenne pour la Cardiologie Pédiatrique. Since then, AEPC has become a network of specialists who are committed to the practice and advancement of Congenital Cardiology and closely related fields. *Cardiology in the Young* (CitY) is the official journal of the AEPC. AEPC offers a free subscription of '*Cardiology in the Young*' (CitY) as part of the annual membership fee. The membership also offers several other benefits.

The overall membership of the Association now stands over 1000 paediatric cardiologists and other specialists working in the field of paediatric cardiology and its related disciplines. The amount of members increases by 10-11% a year. As far as we are aware, this makes the Association the largest democratically administered global association in the field of congenital cardiology, and what is equally encouraging is that we now represent members from all the continents. New members are very welcome as they will always bring with them new ideas and innovations.

AEPC and its Working Groups aim to enhance collaboration amongst members for scientific research and professional development and to maintain high standards of professional practice. The Ordinary Members of AEPC originate from 32 countries in Europe, and each country is represented within the Association by an elected National Delegate. AEPC has also several members outside Europe. The Association co-operates with numerous associations/societies working in the field of congenital heart defects originating from other continents. AEPC works also closely together with ESC and its organizations.

### WORKING GROUPS

Several activities of AEPC are organized by the Working Groups. The Working Groups represent different subspecialties and specific areas of paediatric and congenital cardiology. Over the years, 10 Working Groups, AaGUCH Task Force (grown-up with congenital heart disease) and a group for the Junior Fellows in Training have been set up within the Association to bring together workers with similar interests in order to facilitate research and collaboration with paediatric cardiac surgeons, adult cardiologists and other scientists in closely related fields.

### ANNUAL MEETINGS

An Annual Meeting and an Update Course are organized by the AEPC every year in May (usually in the second half of May) in collaboration with one of the member countries. The AEPC organizes 2-3 Teaching Courses for trainees in Paediatric Cardiology each year. Additional symposia and courses are usually a part of the Annual Meetings.

For further information please visit the official website of the AEPC: [https://www.aepc.org/](http://www.aepc.org/)

### To contact AEPC Association Office:

AEPC Office (c/o Kenes Associations)

Phone: +41 229 080483 | E-mail: [office@aepc.org](mailto:office@aepc.org)

Address: 7, Rue François Versonnex, 1207 Geneva, Switzerland

## LOCAL ORGANIZERS

The AEPC 2022 Annual Meeting is being organized by the Local Organizing Committee from the “Centre Universitaire de Cardiologie et Chirurgie Cardiaque Pédiatrique” that was born from a collaboration between the University Hospitals of **Geneva** (HUG) and Vaudois University Hospital Center (CHUV) in **Lausanne**.



Centre Universitaire de Cardiologie et Chirurgie Cardiaque Pédiatrique (CUR3CP)  
University Hospitals of **Geneva** (HUG) & Vaudois University Hospital Center (CHUV) in **Lausanne**

# COMMITTEES

## LOCAL ORGANIZING COMMITTEE

Committee members are listed accordingly with the alphabetical order of last names

### Chairs

**Prof. Maurice Beghetti**, Director Centre Universitaire Romand de Cardiologie et Chirurgie Cardiaque Pédiatrique Geneva and Lausanne (CUR3CP)  
**Prof. Rene Prêtre**, Director Pediatric and Congenital Cardiac Surgery CUR3CP  
**Prof. Nicole Sekarski**, Co-director Pediatric Cardiology CUR3CP  
**Dr. Tornike Sologashvili**, PD, Co-director Pediatric and Congenital Cardiac Surgery CUR3CP

### Members from Centre Universitaire Romand de Cardiologie et Chirurgie Cardiaque Pédiatrique Geneva and Lausanne (CUR3CP)

Dr. Judith Bouchardy  
 Dr. Maya Bouhabib  
 Dr. Sabrina Bressieux  
 Dr. Stefano Di Bernardo  
 Mrs. Valerie Geiser, Nurse  
 Mrs. Colette Gendre, Nurse  
 Dr. Milan Prsa  
 Dr. Julie Wacker

### National Members from Société Suisse de Cardiologie Pédiatrique

**Dr. Anna Cavigelli**, Universitäts-Kinderspital Zürich – Eleonorenstiftung, Zurich  
**Prof. Birgit Donner**, Universitäts-Kinderspital beider Basel (UKBB), Basel  
**Dr. Damian Hutter**, Zentrum für angeborene Herzfehler Bern, Bern  
**Mrs. Gabriel Stoffel**, Nurse, Universitäts-Kinderspital Zürich – Eleonorenstiftung, Zurich

### Social Media Ambassador

**Dr. Sara Moscatelli**, MD Fellow in Pediatric Cardiology and Paediatric CMR at the Royal Brompton Hospital

## AEPC COUNCIL

**Katarina Hanseus**, Sweden – President  
**Nico Blom**, Netherlands – President-Elect  
**Ina Michel-Behnke**, Austria – Secretary General  
**Ornella Milanesi**, Italy – Past Secretary General  
**Werner Budts**, Belgium – Scientific Secretary  
**Juha-Matti Happonen**, Finland – Treasurer  
**Emanuela Valsangiacomo Buechel**, Switzerland – Councillor  
**Tara Bharucha**, United Kingdom – Councillor  
**Ewa-Lena Bratt**, Sweden – Councillor, Nurse & AHP Representative  
**Margarita Brida**, Croatia – Councillor, ESC/ACHD Representative  
**Enrico Piccinelli**, United Kingdom – Junior Councillor  
**Maurice Beghetti**, Switzerland – Annual Meeting Chair – AEPC 2022

## SCIENTIFIC ADVISORY COMMITTEE (SAC)

**Werner Budts**, Belgium – Scientific Secretary  
**Enrico Piccinelli**, United Kingdom – Junior Councillor  
**Werner Budts**, Belgium – Adult Congenital Heart Disease  
**Környei Laszlo**, Hungary – Cardiac Dysrhythmias and Electrophysiology  
**Adam Kolesnik**, Poland – Cardiovascular Morphology  
**Inga Voges**, Germany – Cardiac Imaging  
**Rene Pretere**, Switzerland – Congenital Heart Surgery  
**Annika Öhman**, Sweden – Fetal Cardiology  
**Sabine Klaassen**, Germany – Genetics, Basic Science and Myocardial Disease  
**Regina Bokenkamp**, Netherlands – Interventional Cardiology  
**Katya de Groote**, Belgium – Neurodevelopment & Psycho-social Care  
**Eva Goossens**, Belgium – Nursing & Allied Health Professionals  
**Joan Sanchez de Toledo**, Spain – Paediatric Cardiovascular Intensive Care  
**Zdenka Reinhardt**, United Kingdom – Pulmonary Hypertension, Heart Failure & Transplantation  
**Peter Fritsch**, Austria – Sports Cardiology, Physical Activity & Prevention  
**Daniel de Wolf**, Belgium – Task force on Clinical (Drug) Trials

## INVITED SPEAKERS & SESSION CHAIRS

The invited speakers and session chairs are listed in alphabetical order of their last names for each country.  
 Please visit the Annual Meeting website for full biographies of the invited speakers.

### AUSTRIA

Sulaima Albinni  
 Doris Ehringer Schetiska  
 Peter Fritsch  
 Eva Grohmann  
 Ina Michel-Behnke  
 Gerald Tulzer  
 Martin Koestenberger

### BELGIUM

Nicolas Arribard  
 Werner Budts  
 Julie De Backer  
 Katya De Groote  
 Michèle de Hosson  
 Daniel De Wolf  
 Joris Ector  
 Marc Gewillig  
 Philip Moons  
 Laura Muino Mosquera  
 Alexander Van De Bruaene  
 Ruben Willems  
 Sabine Hellemans

### CANADA

Lee Benson  
 Andreea Dragulescu  
 Carolina Escudero  
 Anne Fournier  
 Mark Friedberg  
 Gwen Rempel

### CYPRUS

Margarita Bartsota

### CZECH REPUBLIC

Jan Janousek  
 Peter Kubus

### DENMARK

Lars Soendergaard

### EGYPT

Sonia El Saiedi

### FINLAND

Juha-Matti Happonen  
 Taisto Sarkola

### FRANCE

Damien Bonnet  
 Johanna Calderon  
 Sylvie Di Filippo  
 Lucile Houyel  
 Xavier Iriart  
 François Lacour-Gayet  
 Magalie Ladouceur  
 Alice Maltret  
 Francesca Raimondi  
 Pascal Vouhé

### GERMANY

Rolf Berger  
 Felix Berger  
 Goetz Buchwalsky  
 Gerhard Diller  
 Andreas Eicken  
 Seidel Franziska  
 Roman Gebauer  
 Stanimir Georgiev  
 Stephan Gerling  
 Maria Belen Gonzalez Y Gonzalez  
 Nikolaus Haas  
 Georg Hansmann  
 Joachim Hebe  
 Julia Hock  
 Ulrike Hoffmann  
 Tilman Humpl  
 Sabine Klaassen  
 Fabian Kording  
 Alexander Kovacevic  
 Peter Kramer  
 Thomas Kriebel  
 Thorsten Laser  
 Christian Meierhofer  
 Oliver Miera  
 Jan Müller  
 Renate Oberhoffer-Fritz  
 Hannes Sallmon  
 Stephan Schubert  
 Matthias Sigler  
 Christopher Sinning  
 Kai Thorsten Laser  
 Inga Voges  
 Peter Zartner

Greece  
 George Sarris  
 Afrodite Tzifa

### HUNGARY

Erzsebet Hidvegi  
 Laszlo Környei

### INDIA

Sunita Maheshwari  
 Ramakrishnan Sivasubramanian

### IRELAND

Frank Casey  
 Sophie Duignan  
 Damien Kenny  
 Christopher McCusker  
 Colin McMahon

### ITALY

Annalisa Angelini  
 Gianfranco Butera  
 Federica Caldaroni  
 Massimiliano Cantinotti  
 Mario Carminati  
 Elena Cavarretta  
 Massimo Chessa  
 Stefano di Bernardo  
 Fabrizio Drago  
 Paolo Ferrero  
 Vlasta Fesslova  
 Ornella Milanesi  
 Massimo Padalino  
 Massimo Silvetti  
 Domenico Sirico

### JAPAN

Takanari Fujii  
 Kisaburo Sakamoto  
 Keisuke Sato  
 Hiroyuki Yamagishi

### LITHUANIA

Skaiste Sendzikaite

## INVITED SPEAKERS & SESSION CHAIRS

### NETHERLANDS

Beatrijs Bartelds  
 Nico Blom  
 Regina Bokenkamp  
 Sally Ann Clur  
 Heynric Grotenhuis  
 Nathan Hahurij  
 Mark G Hazekamp  
 Willem Helbing  
 Janneke Kammeraad  
 Ingmar Knobbe  
 Thomas Krasemann  
 Gregor Krings  
 Mirella Molenschot

### POLAND

Grazyna Brzezinska-Rajszyz  
 Joanna Dangel  
 Adam Kolesnik  
 Tomasz Ksiazczyk  
 Maria Miszczak-Knecht

### SCOTLAND

Maggie Simpson

### SOUTH AFRICA

Alexia Joachim  
 Liesl Zuhlke

### SPAIN

Patricia Garcia-Canadilla  
 Reza Hosseinpour  
 Ferran Roses-Noguer  
 Joan Sanchez-de-Toledo  
 Georgia Sarquella-Brugada  
 Israel Valverde

### SWEDEN

Mariela Acuna Mora  
 Sofi Andersson-Stavridis  
 Linda Ashman Kröönström  
 Malin Berghammer  
 Ewa-Lena Bratt  
 Katrin Fricke  
 Felicia Nordenstam  
 Michal Odermarsky  
 Annika Öhman  
 Ingegerd Ostman-Smith  
 Carmen Ryberg  
 Karin Tran-Lundmark

### SWITZERLAND

Christian Balmer  
 Maurice Beghetti  
 Judith Bouchardy  
 Judith Bouchardy  
 Maya Bouhabib  
 Sabrina Bressieux-Deguelde  
 Barbara Burkhardt  
 Anna Cavigelli  
 Hitendu Dave  
 Birgit Donner  
 Larissa Flückiger  
 Valerie Geiser  
 Damian Hutter  
 Alexander Kadner  
 Walter Knirsch  
 Oliver Kretschmar  
 Albane Maggio  
 René Prêtre  
 Milan Prsa  
 Tobias Rutz  
 Nicole Sekarski  
 Tornike Sologashvili  
 Gaby Stoffel  
 Corina Thomet  
 Cecile Tissot  
 Emanuela Valsangiacomo  
 Julie Wacker  
 Roland Weber  
 Flavia M. Wehrle

### TURKEY

Alpay Çeliker  
 Ender Ödemiş

### UNITED ARAB EMIRATES

Roberto Di Donato

### UNITED KINGDOM

James Anthony  
 Sonya Babu-Narayan  
 Jamie Bentham  
 Tara Bharucha  
 Beatrice Bonello  
 Barbara Cardoso  
 Milind Chaudhari  
 Adrian H. Chester  
 Louise Coats  
 Damien Cullington  
 Piers Daubeney  
 Jaspal Dua  
 Alain Fraisse

### Maria Cecilia Gonzalez Corcia

Hajar Habibi  
 Fiona Kennedy  
 Martin Kostolny  
 Sylvia Krupickova  
 Clive Lewis  
 David Lloyd  
 Robyn Lotto  
 Owen Miller  
 Lauren Phillips  
 Shakeel Qureshi  
 Zdenka Reinhardt  
 Nathan Riding  
 Eric Rosenthal  
 Justyna Rybicka  
 Lynda Saughnessy  
 Anna Seale  
 Lynda Shaughnessy  
 John Simpson  
 Benjamin Smith  
 Sarah Tabbutt  
 Paraskevi Theocharis  
 Victor Tsang  
 James Wong  
 Jo Wray

### UNITED STATES OF AMERICA

Michael J. Ackerman  
 Leo Lopez  
 Carrie Altman  
 Piers Barker  
 Meryl Cohen  
 Matthew Gillespie  
 Gerald Greil  
 Kathy Jenkins  
 Oliver Karam  
 Gareth Morgan  
 Ricardo Munoz  
 Maully Shah  
 Johannes Von Alvensleben

## UPDATE COURSE PROGRAM

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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**Wednesday, May 25, 2022**

### UPDATE COURSE PROGRAM / HALL 2 (Salle A, Level 0)

**Course registration is required to attend the Update Course program.**

08:00 – 08:10	Introduction/ Welcome, <b>Maurice Beghetti</b>	11:40 – 12:50	<b>Pulmonary arterial hypertension</b> Chairs: <b>Georg Hansmann, Martin Kostenberger</b>  Diagnosis: essential points, <b>Rolf Berger</b> Current and New treatment, <b>Maurice Beghetti</b> Treatment strategy and Outcome, <b>Damien Bonnet</b>
08:10 – 12:00	<b>Morning session: PULMONARY ARTERIES</b>	12:50 – 13:50	<b>Lunch Break</b>
08:10 – 08:40	<b>Basics</b> Chair: <b>Nicole Sekarski</b>  Embryology and Normal anatomy, <b>Lucile Houyel</b> Histology and Physiopathology, <b>Annalisa Angelini</b>	13:50 – 14:20	<b>Afternoon session: PULMONARY VEINS</b>  <b>Basics</b> Chair: <b>Maurice Beghetti</b>  Embryology and Normal Anatomy, <b>Lucile Houyel</b> Physiopathology and Histology, <b>Annalisa Angelini</b>
08:40 – 10:10	<b>Pulmonary atresia and intact septum</b> Chairs: <b>Shakeel Qureshi, Alexander Kadner</b>  Diagnosis: essential points to image, <b>Emanuela Valsangiacomo</b> Treatment: catheter intervention versus surgery: <b>Catheter, Stefano di Bernardo</b> <b>Surgery, George Sarris</b> Long term outcome, <b>Kisaburo Sakamoto</b> Discussion	14:20 – 15:30	<b>Pulmonary vein stenosis</b> Chairs: <b>Rene Prêtre, Oliver Kretschmar</b>  Diagnosis: essential points to image, <b>Tilman Humpl</b> Treatment: catheter interventions versus surgery, <b>Felix Berger</b> Long term outcome, <b>Kathy Jenkins, United States</b> Discussion
10:10 – 10:30	<b>Break</b>		Conclusion, <b>Nicole Sekarski</b>
10:30 – 11:40	<b>Pulmonary atresia / VSD</b> Chairs: <b>Hitendu Dave, Tobias Rutz</b>  Diagnosis: essential points to image (MAPCA's), <b>Milan Prsa</b> Treatment, <b>Tornike Sologashvil</b> Outcome, <b>Lars Sondergaard</b> Discussion		

## NURSING EDUCATIONAL DAY PROGRAM

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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**Wednesday, May 25, 2022**

### NURSING EDUCATIONAL DAY / HALL 7 (Salle S4, Level -1)

**Separate registration is required for Nursing Educational Day Program.**

**09:00 – 11:00 Session 1: Overview of nursing roles in pediatric and adult congenital cardiology**  
 Chair: **Gaby Stoffel**

Introduction

Nursing roles in adult congenital heart disease: The past, the present and the future, **Philip Moons**

Case studies from Sweden and Belgium, **Ewa-Lena Bratt & Michèle de Hosson**

Case studies from UK and Switzerland, **Valerie Geiser & Robyn Lotto**

Round Table discussion

**11:00 – 11:30 Break**

**11:30 – 13:00 Session 2: Models of nursing care in pediatric and adult congenital cardiology**  
 Chair: **Lynda Shaughnessy**

Setting up a nurse-led outpatient clinic in a low resource setting,

**Liesl Zuhlke & Alexia Joachim**

Personalized care for patients with CHD, **Hajar Habibi**

Early family intervention (CHIP-Infant) for parents of children with congenital heart defects, **Carmen Ryberg**

**13:00 – 14:30 Lunch Break**

**14:30 – 16:00 Session 3: Leadership and collaboration**  
 Chair: **Sofi-Andersson-Stavridis**

Essential nursing skills in optimizing team-based care for ACHD, **Corina Thomet**

How to build up a Service for Counseling and Education for Families -16 years' experience,  
**Gaby Stoffel**

Setting up an ANP service in cardiology: challenges and pitfalls, **Lynda Shaughnessy**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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**WEDNESDAY, MAY 25, 2022**

**UPDATE COURSE PROGRAM / HALL 2 (Salle A, Level 0)**

**NURSING EDUCATIONAL DAY / HALL 7 (Salle S4, Level -1)**

**Separate registration is required to attend the Update Course and Nursing Educational Day Programs.**

16:00 - 16:45 HALL 1 (Amphithéâtre D, Level 1)  
**OPENING CEREMONY**

16:45 - 17:15 HALL 1 (Amphithéâtre D, Level 1)  
**MANNHEIMER LECTURE**  
 Speaker : **Pascal Vouhé, France**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

08:00 - 09:00 Various Halls

Working Group Business Meetings

(Please refer to the date and hall information that is provided to the members of each Working Group)

09:00 - 11:00 HALL 1 (Amphithéâtre D, Level 1)

AEPC Business Meeting

11:00 - 11:30 Break

11:30 - 13:00 HALL 1 (Amphithéâtre D, Level 1)

**S01 - Multimodality Imaging after the Fontan operation**

WG: Imaging

Chair: **Tara Bharucha, UK**

Co-chair: **Leo Lopez, USA**

Assessing the connections in a Fontan patient, **Barbara Burkhardt, Switzerland**

Systolic and Diastolic Function in the Fontan patient, **Lars Soendergaard, Denmark**

Assessing vascular resistance after Fontan palliation, **Sylvia Krupickova, UK**

Imaging for complications after Fontan completion, **Gerald Greil, USA**

11:30 - 13:00 HALL 2 (Salle A, Level 0)

**S02 - Same lesion - different treatment?**

Joint / WG: Interventional Cardiology & GUCH

Chair: **Marc Gewillig, Belgium**

Co-chair: **Alain Fraisse, UK**

PDA, **Alain Fraisse, UK**

ASD II, **Benjamin Smith, UK**

Coarctation, **Peter Zartner, Germany**

11:30 - 13:00 HALL 3 (Salle B, Level 0)

**S03 - New cardiovascular drugs and devices**

Joint / WG: Task Force on Clinical (drug) Trials & Cardiac Dysrhythmias and electrophysiology & Pulmonary Hypertension, Heart failure and Transplantation

Chair: **Daniel De Wolf, Belgium**

Co-chair: **Zdenka Reinhardt, UK**

New drugs in heart failure, **Damien Bonnet, France**

The Innovative Spirit In Congenital Interventional Cardiology - Where is it taking us?

**Damien Kenny, Ireland**

New Drugs and Devices for the Treatment of Arrhythmia's, **María Belen González y González, Germany**

Innovative treatments and treatment strategies for pediatric PAH, **Rolf Berger, Germany**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

11:30 - 13:00 HALL 4 (Salle C, Level 0)

#### S04 - Tricuspid valve dysplasia – from fetus to adult

Joint / WG: Fetal Cardiology & morphology (tricuspid valve)

Chair: **Eva Grohmann, Austria**

Co-chair: **Taisto Sarkola, Finland**

Morphology of the Tricuspid valve, Tricuspid Dysplasia, Anatomy of Particular Abormalities, **Adam Kolesnik, Poland**

Tricuspid Regurgitation in Fetal Life – Different Types of Tricuspid Dysplasia in Fetal Life, **Sally Ann Clur, Netherlands**

The part of the tricuspid valve in different situations – passager fetal phenomenon, ccTGA, Mb. Ebstein, PA/IVS, ductal constriction, Hydrops fetalis, **Gerald Tulzer, Austria**

Surgical options for tricuspid valve repair e.g. Conerepair, **Victor Tsang, UK**

11:30 - 13:00 HALL 5 (Salle S6-S7, Level 0)

#### S05 - Coronary arteries in normal and abnormal hearts

Joint / WG: Sports Cardiology, Physical Activity and Prevention & Interventional Cardiology

Chair: **Peter Fritsch, Austria**

Co-chair: **TBA**

Coronary Anomlies- Morphology and demo – identification of patterns at risk, **Matthias Sigler, Germany**

ECG, Echo and Stress Test in Coronary Anomalies-what can we expect?, **Stephan Gerling, Germany**

MRI, CTA, Angiography in coronary anomalies- do we need additional examinations?, **Christian Meierhofer, Germany**

Surgery in Coronary Anomalies- what can be done?, **René Prêtre, Switzerland**

The Role of the interventionalist in diagnostics and treatment, **Jamie Bentham, UK**

11:30 - 13:00 HALL 6 (Salle E&F, Level 3)

#### AS01 - Genetics, Basic Science and Myocardial Disease

Chair: **Nicole Sekarski, Switzerland**

Co-chair: **Ingegerd Ostman-Smith, Sweden**

O-001 Defining Genotype-Phenotype Correlation in Paediatric Patients With Hypertrophic Cardiomyopathy, **Maria López Blázquez, Spain**

O-002 Shaping the heart tube by modulation of cardiomyocyte differentiation: identification of Grib1l as a genetic determinant of criss-cross heart in mice, **Segolene Bernheim, France**

O-003 Pathophysiological Role of Dexmedetomidine for Monocrotaline-induced Pulmonary Arterial Hypertension in Rats, **Yohei Yamaguchi, Japan**

O-004 Identifying new genetic causes of pediatric cardiomyopathy by exome sequencing and zebrafish modeling, **Claudine W. B. Ruijmbeek, Netherlands**

O-005 Genetic testing outcomes in a cohort of 21,159 children with heart disease, **Flavia Facio, USA**

O-006 Platelet adhesion, fibrin deposition and neo-endothelialization in bovine jugular vein conduits and homografts after implantation in sheep, **Ruth Heying, Belgium**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

11:30 - 13:00 HALL 7 (Salle S4, Level -1)

**NS01 - Nursing care for young and older patients with CHD during COVID-19**

WG: Nursing and Allied Health Professionals

Chair: *Lynda Shaughnessy, UK*

Co-chair: *Michèle de Hosson, Belgium*

Management of children with CHD during a COVID-19 pandemic: lessons learned,  
*Piers Daubeney, UK*

Parental counselling for fetal heart disease during COVID-19,  
*Alexander Kovacevic, Germany*

Impact of COVID-19 on psychosocial outcomes in young patients with CHD,  
*Flavia M. Wehrle, Switzerland*

Impact of COVID-19 on care provision by advanced practice nursing roles,  
*James Anthony, UK*

13:00 - 14:30 Lunch Break

13:00 - 14:30 HALL 3 (Salle B, Level 0)

**S06 - Morphological Session: Congenital malformations with systemic right ventricle**

WG: Cardiovascular Morphology

Chair: *Adam Kolesnik, Poland*

Co-chair: *Matthias Sigler, Germany*

Congenital malformations with systemic right ventricle, *Lucille Houyel, France*

Morphology of RV in HLHS, *Annalisa Angelini, Italy*

13:00 - 14:30 Salle S14, Level 2

**Junior interventionists meet seniors**

WG: Interventional Cardiology

Chair: *Domenico Sirico, UK*

**One learns by experience - How I became an interventional cardiologist**

*Daniel de Wolf, Belgium*

*Gianfranco Butera, Italy*

*Mirella Molenschot, Netherlands*

*Alain Fraisse, UK*

*Afrodite Tzifa, Greece*

13:20 - 14:20 HALL 2 (Salle A, Level 0)

**Industry Symposium**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

14:30 - 16:00 HALL 1 (Amphithéâtre D, Level 1)

#### S07 - ECMO in ICU

Joint Session / WG: Paediatric Cardiovascular Intensive Care, Surgical, Heart Failure

Chair: *Joan Sanchez-de-Toledo, Spain*

Co-chair: *Reza Hosseinpour, Spain*

Pre and postoperative indications for ECMO, *Cecile Tissot, Switzerland*

ICU management on ECMO, *Joan Sanchez-de-Toledo, Spain*

Echocardiography on ECMO, *Nicole Sekarski, Switzerland*

Anticoagulation in ECMO, *Oliver Karam, USA*

Technical issues related to ICU – ECMO, *Hitendu Dave, Switzerland*

14:30 - 16:00 HALL 2 (Salle A, Level 0)

#### S08 - From Fontan conversion to Fontan revision: is it still an option?

WG: Adult Congenital Heart Disease

Chair: *Massimo Chessa, Italy*

Co-chair: *René Prêtre, Switzerland*

Outcome of the Fontan already converted, *Federica Caldaroni, Italy*

There are still pts that may benefit from a Fontan conversion?, *Alexander Van De Bruaene, Belgium*

What the revision-concept means, *George Sarris, Greece*

14:30 - 16:00 HALL 3 (Salle B, Level 0)

#### S09 - Japanese Society Session: The lymphatic system in congenital heart disease

Chair: Hiroyuki Yamagishi, Japan

Co-chair: Ornella Milanesi, Italy

Dynamic contrast enhanced magnetic resonance lymphangiography: Informative imaging approach to lymphatic disorders in Fontan circulation, *Keisuke Sato, Japan*

Systematic approach of the lymphatic mapping in congenital heart disease: Our early experience, *Takanari Fujii, Japan*

Drug therapy for the failing lymphatic system in CHD, *Lars Soendergaard, Denmark*

Novel lymphatic management in single ventricle patients, *Marc Gewillig, Belgium*

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

14:30 - 16:00 HALL 4 (Salle C, Level 0)

#### S10 - Treatment of CMP in children: Teaching session

Joint / WG: Genetics, Basic Science and Myocardial Disease & Cardiac Dysrhythmia and EP & PHT/HF/HTX WGs

Chair: ***Sabine Klaassen, Germany***

Co-chair: ***Walter Knirsch, Switzerland***

Antiarrhythmic therapy, ***Nico Blom, Netherlands***

Heart failure therapy, ***Colin McMahon, Ireland***

ICD indications and therapy, ***Georgia Sarquella-Brugada, Spain***

HTX indications and therapy, ***Stephan Schubert, Germany***

14:30 - 16:00 HALL 5 (Salle S6-S7, Level 0)

#### AS02 - Cardiac Imaging / functional assessment

Chair: ***Milan Prsa, Switzerland***

Co-chair: ***Inga Voges, Germany***

O-007 What's in a shape? Predicting neonatal coarctation of the aorta using 3D statistical shape models of normal and abnormal fetal arch morphology, ***Milou PM van Poppel, UK***

O-008 Impaired cardiac performance during exercise in preterm born young adults with and without bronchopulmonary dysplasia: an exercise MRI study, ***Jarno J. Steenhorst, Netherlands***

O-009 Fibrotic myocardial remodeling in children and adolescents after cardiac transplantation – a CMR native T1 mapping study, ***Heiner Latus, Germany***

O-010 Classification of abdominal lymphatic perfusion pattern after Fontan surgery and association to hypoproteinemia, ***Christian Schröder, Germany***

O-011 Altered white matter microstructure is associated with executive dysfunction in congenital heart disease across childhood and adulthood, ***Melanie Ehrler, Switzerland***

O-012 Effects of enzyme replacement therapy on cardiac function and structure in classic infantile Pompe disease – up to 22 years of follow-up, ***Linda E Scheffers, Netherlands***

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

14:30 - 16:00 HALL 6 (Salle E&F, Level 3)

#### AS03 - Interventional cardiology

Chair: **Oliver Kretschmar, Switzerland**

Co-chair: **Gianfranco Butera, Italy**

O-013 Piggyback Mounting for Stent and Valve Deployment during percutaneous pulmonary valve implantation, **Gareth John Morgan, USA**

O-014 Echocardiographically guided interventional PDA closure on the NICU in prematures – initial experience on 22 patients, **Stanimir Georgiev, Germany**

O-015 Embolization of Vascular Abnormalities in Children with Congenital Heart Diseases Using Medtronic Micro Vascular Plugs, **Raymond N. Haddad, France**

O-016 Transcatheter Occlusion of PDA in Extremely Premature Infants Weighting Less Than 1200 g: A Single-Center Experience With the Micro Vascular Plug, **Matthew Boucek, USA**

O-017 Assessment of computer-simulated stent implantation and virtual reality as tools to plan interventional treatment of aortic coarctation, **Nikola Topuzov, Poland**

O-018 First Experiences with Myval Transcatheter Heart Valve System in Conduit Dysfunction and Native RVOT with Severe Pulmonary Regurgitation, **Ender Ödemis, Turkey**

14:30 - 16:00 HALL 7 (Salle S4, Level -1)

#### NS02 - Pregnancy counselling in patients with CHD

Joint / WG: Nursing and Allied Health Professionals & Adult Congenital Heart Disease

Chair: **Katya De Groote, Belgium**

Co-chair: **Werner Budts, Belgium**

When and how to start to talk about genetics and risk of pregnancy in a youngster with CHD?, **Julie de Backer, Belgium**

Women with congenital heart disease - symptoms, needs and experiences during pregnancy, **Malin Berghammer, Sweden**

When the child has the same diagnosis as this parent with CHD, **Sabine Hellemans & Laura Muino, Belgium**

Pregnancy in Fontan patients - infertility problems, **Maggie Simpson, Scotland**

16:00 - 16:30 Break

16:30 - 18:00 HALL 1 (Amphithéâtre D, Level 1)

#### S11 - Tetralogy of Fallot - advanced imaging techniques

WG: Imaging

Chair: **Xavier Iriart, France**

Co-chair: **Heynric Grotenhuis, Netherlands**

Fibrosis Imaging in repaired ToF - clinical correlates, **Sonya Babu-Narayan, UK**

RV dyssynchrony in rTOF from bench to bedside, **Andreea Dragulescu, Canada**

Multimodality approach for PV replacement, **Alexander Van De Bruaene, Belgium**

Role of Echo including 2D/3D echo in post operative ToF, **Paraskevi Theocharis, UK**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

16:30 – 18:00 HALL 2 (Salle A, Level 0)

#### S12 – 3D imaging – the future or reality in cardiac interventions

Joint / WG: Interventional Cardiology & Surgery

Chair: **Gregor Krings, Netherlands**

Co-chair: **René Prêtre, Switzerland**

What the interventionalist needs to know before entering the cathlab, **Gianfranco Butera, Italy**

3D imaging during the procedure why and how?, **Stefan Schubert, Germany**

What can the interventionalist learn from the surgeon about 3D techniques, **Mark G. Hazekamp, Netherland**

What kind of 3D do I use in reality, **Damien Kenny, Ireland**

16:30 – 18:00 HALL 3 (Salle B, Level 0)

#### S13 – How to continue? (Un)resolved rapid fire cases.

WG: Cardiac Dysrhythmias and Electrophysiology

Chair: **Michael J. Ackerman, USA**

Co-chair: **Georgia Brugada, Spain**

Syncope, **Alice Maltret, France**

AAD therapy in a neonate, **Janneke Kammeraad, Netherlands**

AAD therapy in ACHD, **Alpay Çeliker, Turkey**

Catheter Ablation of WPW, **Maria Miszczak-Knecht, Poland**

Catheter Ablation of VT, **Laszlo Környei, Hungary**

Catheter Ablation of IART, **Massimo Silvetti, Italy**

Device Implantation, **Ferran-Roses Noguer, Spain**

Device Troubleshooting, **Peter Kubus, Czech Republic**

What can we learn from the case presentations?, **Michael J. Ackerman, USA**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### THURSDAY, MAY 26, 2022

16:30 - 18:00 HALL 4 (Salle C, Level 0)

#### MP01 - General Cardiology

Chair: **Sylvie di Filippo, France**

Co-chair: **Anna Cavigelli, Switzerland**

P-429 Paediatric and Adult Congenital Cardiology Training In Europe, **Colin J Mcmahon, Ireland**

P-455 Oscillometric pulse-wave-velocity measurement in adult and pediatric cohorts shows an excellent accuracy – An evaluation study of the Mobil-O-Graph, **Matthias Walser, Germany**

P-447 Hidden cardiovascular morbidity in children and young adults born with Congenital diaphragmatic hernia: A Population-based study, **Katarina Övermo Tydén, Sweden**

P-405 Pediatric Cardiology Fellowship Programs in countries with limited resources: Achievements and Challenges, **Sulafa K Ali, Sudan**

P-037 Foetal Tricuspid Valve Agenesis/Atresia: Testing Predictions of the Embryonic Aetiology, **Marieke F. J. Buijtendijk, Netherlands**

P-263 Systemic small vessel disease following pediatric heart transplantation, **Constance G Weismann, Germany**

P-277 Differences between QRS-T angle in children with idiopathic dilated cardiomyopathy – a pilot study, **Katarzyna Luczak Wozniak, Poland**

P-494 Infections predispose Kawasaki Disease, a nationwide population-based case-control study of incident cases 1987-2018 in Sweden, **Andre Rudolph, Sweden**

P-495 Preliminary results of follow-up of patients with multisystem inflammatory syndrome associated with Covid-19, **Loudmila Bregel, Russia**

P-505 Adolescents with CHD. -Is their illness perception impacting Quality of life?, **Åsa Burström, Sweden**

16:30 - 18:00 HALL 5 (Salle S6-S7, Level 0)

#### S14 - Do we really need a new normal? The evidence for paediatric athlete specific cardiac references values

WG: Sports cardiology, activity and prevention

Chair: **Peter Fritsch, Austria**

Co-chair: **Renate Oberhoffer-Fritz, Germany**

The ECG in the paediatric athlete – do we need new reference values ?, **Elena Cavarretta, Italy**

Form and function in the healthy paediatric athlete - echocardiographic reference values, **Stephan Gerling, Germany**

Raising the bar – normal values for CPET in the paediatric athlete, **Jan Müller, Germany**

Using current guidelines to differentiate normal from pathology – can we do everything by the book?, **Nathan Riding, UK**

## SCIENTIFIC PROGRAM IN DETAIL

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### THURSDAY, MAY 26, 2022

16:30 – 18:00 HALL 6 (Salle E&F, Level 3)

#### AS04 – Adult congenital heart disease

Chair: **Judith Bouchardy, Switzerland**

Co-chair: **Paolo Ferrero, Italy**

O-019 Pulmonary Hypertension in Adults with Congenital Heart Disease: Updated and Extended Results from the International COMPERA-CHD Registry, **Ann Sophie Kaemmerer, Germany**

O-020 Neuropsychological and Structural Brain Abnormalities in Adults with d-Transposition of the Great Arteries: The Boston Circulatory Arrest Study, **Johanna Calderon, France**

O-021 Ebstein's anomaly: Functional outcomes after Cone Reconstruction, **Lina Hock, Germany**

O-022 The burden of late thrombo-embolic complications following Fontan palliation among polish adolescent patients – multicenter study, **Maciej Skubera, Poland**

O-023 Long-term Results in Patients with Repaired Tetralogy of Fallot: Up to 38-Year Follow-up of 814 Patients, **Petr Bukovský, Czech Republic**

O-024 Medical Rehabilitation in Adults with Congenital Heart Disease, **Sebastian Freilinger, Germany**

16:30 – 18:00 HALL 7 (Salle S4, Level -1)

#### NS03 – Abstract session of Nursing and Allied Health Professionals & Neurodevelopment and Psycho-Social Care

Chair: **Frank Casey, Ireland**

Co-chair: **Lynda Saughnessy, UK**

O-025 Oral breastmilk is safe pre- and early post-operatively in babies with Coarctation of the Aorta, **Alix Dunlop Jones, United Kingdom**

O-026 A mobile application to support parents of infants with severe cardiac disease, **Elin Hjorth Johansen, Norway**

O-027 Infant growth trajectories post-surgery and over four months predict parental stress in parents of infants with complex congenital heart defects, **Nadya Golfsenstein, Israel**

O-028 Longitudinal Comparison of Neurodevelopmental Outcomes from 18m to 36m of Children born Preterm and Children Diagnosed with Congenital Heart Disease, **Samantha D Roberts, Canada**

O-029 The prevalence of fatigue in children with congenital heart disease: is there a correlation with disease-specific factors?, **Dionne R. H. De Vos, Netherlands**

O-030 Motor Development and Physical Fitness in Children With Congenital Heart Disease, **Ana Clara Félix, Portugal**

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### FRIDAY, MAY 27, 2022

08:00 - 09:00 Various Halls

#### Working Group Business Meetings

(Please refer to the date and hall information that is provided to the members of each Working Group)

09:00 - 10:30 HALL 1 (Amphithéâtre D, Level 1)

#### S15 - The borderline left ventricle, Risk stratification by Imaging

Joint / WG: Imaging & Fetal Cardiology

Chair: *Annika Ohmann, Sweden*

Co-chair: *Massimiliano Cantinotti, Italy*

Fetal Cardiac Assessment of the borderline LV, *Anna Seale, UK*

New horizons in fetal imaging, *David Lloyd, UK*

Echocardiographic predictors of biventricular repair, *Ulrike Hoffmann, Germany*

Intra-op, early post op and medium term F/U assessment - multimodality, *Beatrice Bonello, UK*

09:00 - 10:30 HALL 2 (Salle A, Level 0)

#### S16 - Innovations and the latest approach in managing ACHD patients with Heart Failure and Transplantation

Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation & Adult Congenital Heart Disease

Chair: *Hannes Salomon, Germany*

Co-chair: *Werner Budts, Belgium*

Delivering patient centred care to adults with congenital heart disease and heart failure - what we can learn from the Covid 19 pandemic, *Louise Coats, UK*

What can a global registry for outcomes in ACHD transplant deliver - introduction to Artoria R, *Christopher Sinding, Germany*

Delivering cavopulmonary support to the failing Fontan circulation -is the dream becoming a reality, *Peter Kramer, Germany*

Determining the Optimal Transplant Listing Window for Patients with Fontan Physiology, *Clive Lewis, UK*

Atrial flow Regulator (AFR) implantation in potential heart transplant recipients, *Nikolaus Haas, Germany*

09:00 - 10:30 HALL 3 (Salle B, Level 0)

#### S17 - Canadian Society Session

Chair: *Nico Blom, Netherlands*

Co-chair: *Anne Fournier, Canada*

The echo findings related to need for and results of resynchronization therapy, *Mark Friedberg, Canada*

Cardiac resynchronization in pediatrics and CHD reviewing indications and outcomes, *Carolina Escudero, Canada*

Conduction system pacing in congenital heart disease, *Goetz Buchwalsky, Germany*

Cardiac resynchronization of the subpulmonary ventricle, *Jan Janousek, Czech Republic*

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### FRIDAY, MAY 27, 2022

09:00 - 10:30 HALL 4 (Salle C, Level 0)

**S18 - Pulmonary Hypertension- Prevention, Physical Activity and competitive Sports**  
 Joint / WG: Sportscardiology, Physical Activity and Prevention & Pulmonary Hypertension

Chair: **Martin Koestenberger, Austria**  
 Co-chair: **Renate Oberhoffer-Fritz, Germany**

State of the Art in Diagnostics in PAH, **Maurice Beghetti, Switzerland**

State of the art in therapy and prevention in PAH, **Georg Hansmann, Germany**

State of the Art in Physical Activity and Sportscardiology in PAH, **Martin Koestenberger, Austria**

Case report: PAH and someother issues, **Sulaima Albinni, Austria**

Case report: PAH and exercise, **Julia Hock, Germany**

09:00 - 10:30 HALL 5 (Salle S6-S7, Level 0)

**S19 - Corrected transposition of the great arteries – Timing and technique**

WG: Congenital Heart Surgery

Chair: **Roberto Di Donato, Italy**  
 Co-chair: **René Prêtre, Switzerland**

The true anatomy of the L-TGA, **Nicolas Arribard, Belgium**

Indications for a physiological or anatomical repair, **Massimo Padalino, Italy**

The role of PA banding in L-TGA, **Nicole Sekarski, Switzerland**

The hemi-Mustard vs the full Mustard/Senning atrial switch in L-TGA, **Hitendu Dave, Switzerland**

09:00 - 10:30 HALL 6 (Salle E&F, Level 3)

**Young Investigator Award**

Chair: **Ina Michel-Behnke, Austria**

Co-chair: **Hiroyuki Yamagishi, Japan**

O-031 Transcatheter Correction of Sinus Venosus Atrial Septal Defect: From Bench Testing to Clinical Success, **Clement Batteux, France**

O-032 Perinatal Hypoxia Aggravates Occlusive Pulmonary Vasculopathy In Rats Later In Life: Association With Epigenetic Changes, **Hironori Oshita, Japan**

O-033 Kawasaki disease and the current SARS-CoV-2 pandemic: rare lessons from a cohort of more than 1000 Kawasaki patients in The Netherlands, **Stejara A Netea, Netherlands**

O-034 The critical role of ER selective autophagy in response to Doxorubicin-induced myocardial injury, **Shun Nakagama, Japan**

O-035 Percutaneous transhepatic periportal embolization of hepato-duodenal lymphatic fistulae as treatment for protein losing enteropathy after Fontan, **Thomas Salaets, Belgium**

O-036 Low- versus high-concentration intravenous immunoglobulin for children with Kawasaki disease in the acute phase, **Takanori Suzuki, Japan**

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### FRIDAY, MAY 27, 2022

09:00 - 10:30 HALL 7 (Salle S4, Level -1)

#### NS04 - Long-term perspectives after transplantation in CHD pts

Joint / WG: Nursing and Allied Health Professionals & Pulmonary Hypertension, Heart Failure and Transplantation

Chair: **Damien Bonnet, France**

Co-chair: **Corina Thomet, Switzerland**

How to manage problems affecting long-term outcomes after heart transplantation,  
**Zdenka Reinhardt, UK**

Long-term outcome impacting quality of life, cognition and development, **Jo Wray, UK**

Role of transplantation and ventricular assist devices in CHD patients, **Justyna Rybicka, UK**

Patient Journey, **Lynda Saughnessy, UK**

10:30 - 11:00 Break

11:00 - 11:30 HALL 3 (Salle B, Level 0)

#### HAUSDORF LECTURE

**"Be aware of the written word!"**

Keynote: **Marc Gewillig, Belgium**

11:30 - 12:30 HALL 1 (Amphithéâtre D, Level 1)

#### AS06 - Fetal cardiology

Chair: **Roland Weber, Switzerland**

Co-chair: **Felicia Nordenstam, Sweden**

O-037 Fetal complications associated with fetal cardiac interventions: experience of 205 procedures, **Andreas Tulzer, Austria**

O-038 Short term outcomes after prenatal detection of right aortic arch, **Bo Bet, Netherlands**

O-039 The Contemporary Surgical Outcomes of Congenital Heart Disease in the UK and its influence on the delivery of counselling and patient experience, **Orhan Uzun, UK**

O-040 Prenatal detection rate of aortic coarctation in a well-organized screenings setting: are we there yet?, **Fleur Zwanenburg, Netherlands**

O-041 Fetal Aortic Coarctation: a combination of echocardiographic parameters that improves the prediction of postnatal outcome. A single center experience, **Giulia Tuo, Italy**

O-042 Comparison of the arterial valve in prenatally diagnosed common arterial trunk and congenital heart defects with pulmonary atresia, **Agnieszka Grzyb, Poland**

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### FRIDAY, MAY 27, 2022

11:30 - 12:30 HALL 2 (Salle A, Level 0)

#### AS07 - Pulmonary Hypertension, Heart Failure and Transplantation

Chair: **Julie Wacker, Switzerland**

Co-chair: **Colin McMahon, Ireland**

O-043 Transcatheter creation of a restrictive atrial communication for treatment of patients with heart failure and hypertensive left atrial pressures, **Mustafa Gülgün, Germany**

O-044 The preponderance of genetic involvement in paediatric pulmonary hypertension, **Julien Grynblat, France**

O-045 Rimeporide, a first in class Na/H exchanger-1 inhibitor, ameliorates right ventricular dysfunction and pulmonary arterial hypertension in a SuHx model, **Giuseppina Milano, Switzerland**

O-046 Validation of the New EPPVDN Pediatric Pulmonary Hypertension Risk Score by Cardiac Magnetic Resonance Imaging and Speckle Tracking Echocardiography, **Hosan Hasan, Germany**

O-047 Long-Term Outcomes of Transcatheter Potts Shunt in Children with Suprasystemic Pulmonary Arterial Hypertension, **Raymond N. Haddad, France**

O-048 Full recovery of right ventricular systolic function in children undergoing bilateral lung Transplantation for severe pulmonary arterial hypertension, **Georg Hansmann, Germany**

11:30 - 12:30 HALL 3 (Salle B, Level 0)

#### AS08 - Cardiac Imaging / functional assessment

Chair: **Leo Lopez, USA**

O-049 MRI lymphangiography in children: a single centre experience, **Valentina Benetti, UK**

O-050 Non-invasive assessment of myocardial work in adolescents and young adults with effectively corrected versus residual aortic coarctation, **Miguel Fogaça Da Mata, Portugal**

O-051 Cardiac catheter examination in Kawasaki disease: Initial data from the Central European Registry, **Julia Weisser, Germany**

O-052 Use of Speckle Tracking Echocardiography to detect Anthracycline-Induced Cardiotoxicity in Childhood Cancer: A Prospective Controlled study, **Marie Vincenti, France**

O-053 Diagnostic Value of 18F-Fluorodeoxyglucose Positron Emission Tomography Computed Tomography in Prosthetic O- 0-054 Pulmonary Valve Infective Endocarditis, **Maelys Venet, Canada**

O-055 Magnetic resonance vessel wall imaging is a reliable technique for determining vessel wall thickening in coronary lesions of Kawasaki disease, **Kazuya Sanada, Japan**

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### FRIDAY, MAY 27, 2022

11:30 - 12:30 HALL 4 (Salle C, Level 0)

#### MP02 - Sports Cardiology, Physical Activity and Prevention

Chair: **Erzsébet Valéria Hidvégi, Hungary**

Co-chair: **Renate Oberhoffer-Fritz, Germany**

P-148 Different profiles of lipoprotein particles associate various degree of cardiac involvement in adolescents with morbid obesity, **José Manuel Siurana, Spain**

P-144 Impact of lockdown on cardiopulmonary function in children with heart disease, **Isabelle Schöffl, Germany**

P-155 Association between objectively measured physical activity and exercise capacity in children with congenital heart disease, **Laura Willinger, Germany**

P-139 Preclinical aortic atherosclerosis in adolescents with chronic disease, **Henk Schipper, Netherlands**

P-156 Effect of physical activity on cardiovascular health in six-year-old children born to mothers with high cardiometabolic risk, **Linda Litwin, Poland**

P-130 Risk Factors for Perioperative Brain Lesions on MRI in Infants with Severe Congenital Heart Disease: A European Collaboration, **Alexandra Bonthrone, UK**

P-150 Motor function in children and adolescents with CHD in a direct twin comparison – same same, but different?, **Julia Remmeli, Germany**

P-169 Adverse arterioventricular interaction in adolescents with chronic disease, **Victor Verpalen, Netherlands**

P-134 Common carotid artery characteristics in patients with repaired aortic coarctation compared to other cardiovascular risk factors, **Constance G Weismann, Germany**

P-159 COVID-19 vaccination from 6 to 17 years carries a similar risk for fatal or life-threatening myocarditis than being struck by lightning, **Massimiliano Cantinotti, Italy**

P-145 Investigating the relation between hemoglobin a1c with left ventricular remodeling patterns in children with type 1 diabetes mellitus, **Iulia Rodoman, Moldova**

P-138 1. Lack of improvement in the postnatal detection of heart defects, **Gunnar Wik, Norway**

11:30 - 12:30 HALL 5 (Salle S6-S7, Level 0)

#### AS09 - Interventional cardiology

Chair: **Stefano Di Bernardo, Switzerland**

Co-chair: **Massimo Chessa, Italy**

O-055 Ductus arteriosus stenting versus Blalock-Taussig shunt for infants with ductal-dependent pulmonary circulation: a comparative international study, **Zakaria Jalal, France**

O-056 A New Self Expandable Valve; Pulsta THV in Patients with Enlarged RVOT and Severe Pulmonary Regurgitation due to Transannular Patch, **Ender Ödemis, Turkey**

O-057 Percutaneous edge to edge repair for systemic tricuspid valve regurgitation in patients with congenital heart disease: the first descriptive cohort, **Patrice Guerin, France**

O-058 Ductal stenting versus RVOT stenting in infants with tetralogy of Fallot and duct dependant pulmonary circulation, **Enrico Piccinelli, UK**

O-059 Transcatheter closure of ventricular septal defects with LifeTech multifunctional occluder device (MF- Konar)- a single-center experience, **Alper Guzeltas, Turkey**

O-060 Pulmonary artery stenting after bidirectional cavopulmonary connection (BDCPC) in Single Ventricle patients: necessity and benefit, **Alessia Callegari, Switzerland**

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### FRIDAY, MAY 27, 2022

11:30 - 12:30 HALL 6 (Salle E&F, Level 3)

#### MP03 - Cardiac Dysrhythmias and Electrophysiology & Genetics, Basic Science and Myocardial Disease

Chair: *Alice Maltret, France*

Co-chair: *Nico Blom, Netherlands*

P-217 AVNRT cryoablation in children < 26 Kg: efficacy and safety of electrophysiologically guided low voltage bridge strategy, *Cristina Raimondo, Italy*

P-248 Clinical characteristics and mid-term follow-up findings in children with isolated complete heart block: A single-center ten-year experience, *Yakup Ergul, Turkey*

P-254 Clinical course and electrophysiological characteristics of permanent junctional reciprocating tachycardia in children: ten years experience, *Yakup Ergul, Turkey*

P-207 Two broken pacemaker cans in one patient, *Anna Cavigelli Brunner, Switzerland*

P-247 Epicardial device migration in children – a rare but important complication, *Tomasz Marcin Ksiazczyk, Poland*

P-225 Catheter ablation of accessory pathways in children and patients with congenital heart disease: Predictors of outcome, *John Papagiannis, Greece*

P-257 Cardioneuroablation in a pediatric patient with Type IIb cardioinhibitory vasovagal syncope and functional advanced AV block, *Yakup Ergül, Turkey*

P-476 Clinical symptoms in children with genetic aortopathy and their response to medical therapy – A monocentric analysis over more than one decade, *Jakob Olfe, Germany*

P-487 Induced pluripotent stem cell-derived Chagas disease model highlights the role of cardiomyocytes as sentinels of the host-parasite interaction, *Yu Nakagama, Japan*

P-472 Homozygous Genetic Variant in Desmin Causes Severe Inflammatory Cardiomyopathy, *Franziska Seidel, Germany*

P-479 Arrhythmia and impaired myocardial function in Heritable Thoracic Aortic Disease: an international retrospective cohort study, *Laura Muñoz Mosquera, Belgium*

P-474 Concerns about safety of growth hormone therapy in Noonan syndrome and other RASopathies: risk of triggering or worsening hypertrophic cardiomyopathy, *Ingegerd Östman Smith, Sweden*

11:30 - 12:30 HALL 7 (Salle S4, Level -1)

#### NS05 - Optimizing the journey towards surgery in CHD patients

Joint / WG: Nursing and Allied Health Professionals & Congenital Heart Surgery

Chair: *Justyna Rybicka, UK*

Co-chair: *Gaby Stoffel, Switzerland*

Pre-operative Information: perspectives of patients, family and healthcare teams, *René Prêtre, Switzerland*

Preparing patients and Parents for ICU post cardiac surgery, *Nadya Golfenshtein, Israel*

Nutrition therapy in the perioperative setting, *Larissa Flückiger, Switzerland*

Can physiotherapy optimize and influence outcomes in ACHD surgical patients?, *Linda Ashman Kröönström, Sweden*

12:30 - 14:00 Lunch Break

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### FRIDAY, MAY 27, 2022

12:30 – 14:00 HALL 3 (Salle B, Level 0)

#### S20 – Morphological Session: Morphology of the ductus arteriosus

WG: Cardiovascular Morphology

Chair: **Annalisa Angelini, Italy**

Co-chair: **Regina Bokenkamp, Netherlands**

Isolated patent ductus arteriosus, **Loucile Houyel, France**

Ductus arteriosus in duct-dependent circulation, **Adam Kolesnik, Poland**

Ductus arteriosus wall after intervention, **Matthias Sigler, Germany**

12:30 – 14:00 HALL 6 (Salle E&F, Level 3)

#### AS05 – Cardiac Dysrhythmias and Electrophysiology

Chair: **Christian Balmer, Switzerland**

Co-chair: **Maria Cecilia Gonzalez, UK**

O-061 Electrocardiographic and electrophysiological characteristics of fasciculoventricular fibers in children: Single-center 8-years experience, **Yakup Ergul, Turkey**

O-062 Assessment in a geographical cohort of PRIMaCY performance for risk stratification for sudden cardiac death in childhood hypertrophic cardiomyopathy, **Eva Fernlund, Sweden**

O-063 Arrhythmogenic cardiomyopathy in childhood, **Marit Kristine Smedsrud, Norway**

O-064 Electrophysiologic characteristics and catheter ablation results of fascicular ventricular tachycardia in children, **Alper Güzeltas, Turkey**

O-065 Retrospective single-centre study of paediatric catheter ablation in the era of 3D navigation and mapping, **Jiri Houda, Czech Republic**

O-066 Long-term fate of an unselected cohort of congenital long QT syndrome patients diagnosed in childhood, **Terezia Tavacova, Czech Republic**

12:30 – 13:45 HALL 7 (Salle S4, Level -1)

#### NS06 – Florence Nightingale Lecture

Being in the right place at the right time over 40 years in pediatric cardiology: Lessons learned and ways forward

Chair: **Gaby Stoffel, Switzerland**

Keynote: **Gwen R. Rempel, Canada**

12:50 – 13:50 HALL 2 (Salle A, Level 0)

#### Industry Symposium

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### FRIDAY, MAY 27, 2022

14:00 - 15:30 HALL 1 (Amphithéâtre D, Level 1)

**S21 - Virtual / Augmented / Mixed Reality in Congenital Cardiology**  
 Joint session CV Morphology/Imaging /Interventional

Chair: *Grazyna Brzezinska-Rajszys, Poland*  
 Co-chair: *Israel Valverde, Spain*

Morphological specimen vs 3D-printed and virtual models – educational perspective, *Adam Koleśnik, Poland*

Virtual and mixed reality in cardiovascular medicine, *John Simpson, UK*

VR in pre-surgical planning, *Martin Kostolny, UK*

VR in pre-intervention planning, *Gareth Morgan, USA*

14:00 - 15:30 HALL 2 (Salle A, Level 0)

**S22 - PCSI - AEPC Joint Session: Cardiac Tumors in Pediatric Patients**

Chair: *Sunita Maheshwari, India*  
 Co-chair: *Nico Blom, Netherlands*

Incidence, symptomatology and outcome of cardiac tumors in the pediatric age group, *Sivasubramanian Ramakrishnan, India*

Natural history and therapeutic approach of neoanatal rhabdomyomas, *Sunita Maheshwari, India*

Differential diagnosis of pediatric cardiac tumors: the role of multimodality imaging, *Kai Thorsten Laser, Germany*

Surgery of cardiac tumors in children: when and how, *René Prêtre, Switzerland*

14:00 - 15:30 HALL 3 (Salle B, Level 0)

**S23 - Challenges in Paediatric Heart Transplantation**

WG: Pulmonary Hypertension, Heart Failure and Transplantation

Chair: *Maurice Beghetti, Switzerland*  
 Co-chair: *Taisto Sarkola, Finland*

Rising to the challenge, this intervention can really delay transplant, *Milind Chaudhari, UK*  
 Heart transplant rejection with haemodynamic compromise - treatment options, *Zdenka Reinhardt, UK*

Integrating approaches for heart transplant rejection assessment. Is endomyocardial biopsy still necessary?, *Ina Michel-Behnke, Austria*

Ideal post heart transplant shared care model, *Colin McMahon, Ireland*

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### FRIDAY, MAY 27, 2022

14:00 - 15:30 HALL 4 (Salle C, Level 0)

#### MP04 - Paediatric Cardiovascular Intensive Care & Adult congenital heart disease & Prevention

Chair: **Judith Bouchardy, Switzerland**

Co-chair: **Massimo Chessa, Italy**

P-489 Determining factors for hs-Troponin T and NT-proBNP in a cohort of healthy children (The LIFE child study), **Alexandra Kiess, Germany**

P-353 Surgical Treatment of the Aortic Coarctation Depending on the Anatomical Characteristics, **Hyungtae Kim, South Korea**

P-372 Health-Related Quality of Life of Ugandan Children following Valve Replacement Surgery for Rheumatic Heart Disease., **Mohammed Ahmed Mohammed, Turkey**

P-370 Factors associated with acute kidney injury after cardiopulmonary bypass in children, **Michael Nicolas Gritti, Canada**

P-017 Bioelectrical impedance analysis as a potential risk marker in adults with Marfan syndrome, **Mathieu Suleiman, Germany**

P-009 Home-based resistance training in Fontan patients: it's feasible, safe and efficient!, **Joanie Gagnon, Canada**

P-168 Nutritional Diagnosis in children with congenital heart disease and parental characteristics in a social program in a Latin American country, **Victor M. H. Quinones, Colombia**

P-135 Does pulse wave analysis by digital plethysmography reliably assess arterial stiffness in patients with congenital heart disease?, **Constance G Weismann, Germany**

14:00 - 15:30 HALL 5 (Salle S6-S7, Level 0)

#### S24 - ECG Quiz

WG: Cardiac Dysrhythmias and Electrophysiology

**Joachim Hebe, Germany**

**Juha-Matti Happonen, Finland**

14:00 - 15:30 HALL 6 (Salle E&F, Level 3)

#### S25 - Fetal cardiovascular magnetic resonance imaging for prenatal diagnosis of complex congenital heart defects

WG: Fetal Cardiology

Chair: **Margarita Bartsota, Cyprus**

Co-chair: **Alexander Kovacevic, Germany**

Feasibility of non-gated dynamic fetal cardiac MRI for identification of fetal cardiovascular anatomy, **Emanuela Valsangiacomo, Switzerland**

Explanation of physics, technique of the MR conditional DUS gating device, **Fabian Kording, Germany**

Fetal MRI – from research to clinical practice, **David Lloyd, UK**

Utility of fetal CMR for prenatal diagnosis of complex congenital heart defects, **Katrin Fricke, Sweden**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### FRIDAY, MAY 27, 2022

14:00 - 15:30 HALL 7 (Salle S4, Level -1)

#### AS10 - Sports Cardiology, Physical Activity and Prevention

Chair: **Albane Maggio, Switzerland**

Co-chair: **Doris Ehringer Schetiska, Austria**

O-067 Physical fitness, BMI, health-related quality of life and mental concentration – Cross-sectional cardiovascular risk data of a large school cohort, **Katharina Appel, Germany**

O-068 Impact of a transition education program on health-related quality of life in adolescents and young adults with congenital heart disease, **Pascal Amedro, France**

O-069 Reference values for cardiorespiratory fitness in children and adolescents with congenital heart disease, **Vibeke Klungerbo, Norway**

O-070 Return to play after SARS-CoV-2 infection: safe sport for children and adolescents, **Giulia Cafiero, Italy**

O-071 Cognitive function in children with CHD impaired in a direct twin comparison, **Julia Remmele, Germany**

15:30 - 16:00 Break

16:00 - 17:30 HALL 1 (Amphithéâtre D, Level 1)

#### S26 - COVID 19 and PIMS – what have we learned so far?

Joint / WG: Imaging & Genetics, Basic Science and Myocardial Disease

Chair: **Owen Miller, UK**

Co-chair: **Seidel Franziska, Germany**

SARS-CoV-2: Impact in the cardio-pulmonary circulation, **Francesca Raimondi, France**

SARS-CoV-2 Vaccination – Recommendations in children & adolescents, **Skaiste Sendzikaitė, Lithuania**

Long term assessment after COVID 19 and PIMS, **Isra Valverde, Spain**

Multimodality imaging pathways in PIMS, **James Wong, UK**

16:00 - 17:30 HALL 2 (Salle A, Level 0)

#### S27 - Challenges in Paediatric Heart Failure in small children with cardiomyopathy Transplantation

WG: Pulmonary Hypertension, Heart Failure and Transplantation

Chair: **Zdenka Reinhardt, UK**

Co-chair: **Georg Hansmann, Germany**

Disruption of sodium-dependent vitamin transport: a potential novel cause of cardiomyopathy, **Lauren Philips, UK**

Precision medicine in cardiomyopathy, **Barbara Cardoso, UK**

Debate: Pro Pro Medical Heart Failure Management of patient with DCM less than 5 kg, **Julie Wacker, Switzerland**

Debate: Pro VAD support of patient with DCM less than 5 kg, **Oliver Miera, Germany**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### FRIDAY, MAY 27, 2022

16:00 - 17:30 HALL 3 (Salle B, Level 0)

**S28 - TGA/DORV with Pulmonary outflow tract stenosis**

WG: Congenital Heart Surgery

Chair: *Hitendu Dave, Switzerland*

Co-chair: *George Sarris, Greece*

The REV procedure, superior to the Rastelli operation., *Pascal Vouhé, France*

Reoperations after a Rastelli procedure, *René Prêtre, Switzerland*

The Nikaidoh / Root rotation procedure, *Tornike Sologashvili, Switzerland*

Biventricular repair of double-outlet right ventricle with noncommitted ventricular septal defect, *François Lacour-Gayet, France*

16:00 - 17:30 HALL 4 (Salle C, Level 0)

**S29 - Arrhythmias in adult CHD patients**

WG: Adult Congenital Heart Disease

Chair: *Alexander Van De Bruaene, Belgium*

Co-chair: *Tomasz Ksiazczyk, Poland*

ICD in primary prevention for the systemic RV: who and when?, *Fabrizio Drago, Italy*

EP study +- ablation prior to pulmonary valve replacement in tetralogy of Fallot?, *Nico Blom, Netherlands*

Ablation of atrial arrhythmias in Fontan patients: a Sisyphean task?, *Joris Ector, Belgium*

16:00 - 17:30 HALL 5 (Salle S6-S7, Level 0)

**S30 - Puzzle the Experts**

WG: Fetal Cardiology

Chair: *Annika Öhman, Sweden*

Co-chair: *Sally Ann Clur, Netherlands*

*Vlasta Fesslova, Italy*

*Sophie Duignan, Ireland*

*Ingmar Knobbe, Netherlands*

16:00 - 17:30 HALL 6 (Salle E&F, Level 3)

**S31 - Artificial Intelligence and Cardiac Intensive Care**

WG: Paediatric Cardiovascular Intensive Care

Chair: *Nicole Sekarski, Switzerland*

Co-chair: *TBA*

Artificial intelligence in the Cardiac Intensive Care, *Patricia Garcia Cañadilla, Spain*

How to use Data to improve Patient Outcomes, *Sarah Tabbutt, USA*

Remote Telemonitoring in the Cardiac Intensive Care, *Ricardo Munoz, USA*

High Value Care Approach for patients with Congenital Heart Disease, *Joan Sanchez-de-Toledo, Spain*

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### FRIDAY, MAY 27, 2022

16:00 - 17:30 HALL 7 (Salle S4, Level -1)

#### AS11 - General Cardiology

Chair: **Walter Knirsch, Switzerland**

Co-chair: **Maya Bouhabib, Switzerland**

O-073 Congenital heart defects and their association with maternal diabetes and overweight during pregnancy: a register-based study from Finland, **Riitta Turunen, Finland**

O-074 The Congenital Cardiology Cloud – proof of feasibility of the first telemedical network for pediatric cardiology in Germany, **Kathrin Rottermann, Germany**

O-075 National Paediatric Mortality secondary to Cardiac Causes: An Irish experience, **Li Yen Ng, Ireland**

O-076 Outflow Anatomy in Double-outlet Right Ventricle, **Matthias Sigler, Germany**

O-077 Improved Endothelialization in the Regenerative Small Diameter Vascular Grafts with SNAP Loaded Nanoparticles, **Fatemeh Kabirian, Belgium**

O-078 The value of Galectin-3 in pediatric acute rheumatic fever, **Mehmet Gökhan Ramoğlu, Turkey**

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### SATURDAY, MAY 28, 2022

08:00 - 09:00 Various Halls

Working Group Business Meetings  
 (Please refer to the date and hall information that is provided to the members of each Working Group)

09:00 - 10:30 HALL 1 (Amphithéâtre D, Level 1)

**S32 - Diagnostic Errors in CHD Imaging**  
 Joint / WG: Imaging, American Society of Echo

Chair: **Carrie Altman, USA**  
 Co-chair: **Inga Voges, Germany**

How to prevent errors?, **Meryl Cohen, USA**  
 Which modality most prone to error and how to improve, **Piers Barker, USA**  
 Learning from other sciences/industries, **Massimiliano Cantinotti, Italy**  
 Artificial Intelligence in CHD imaging, **Gerhard Diller, Germany**

09:00 - 10:30 HALL 2 (Salle A, Level 0)

**S33 - Successes and failures in the cathlab**  
 WG: Interventional Cardiology

Chair: **Regina Bokenkamp, Netherlands**  
 Co-chair: **Shakeel Qureshi, UK**

Million Pound boy, **Sonia EL Saiedi, Egypt**  
 LPA problems, **Afrodite Tzifa, Greece**  
 Hemorrhage, **Ender Ödemiş, Turkey**  
 Connecting right and left, **Nathan Hahurij, Netherlands**

09:00 - 10:30 HALL 3 (Salle B, Level 0)

**S34 - Tell your pediatric colleagues: how is the patient doing in adulthood?**  
 WG / Adult congenital heart disease

Chair: **Werner Budts, Belgium**  
 Co-chair: **Judith Bouchardy, Switzerland**

The systemic RV: was is eventually heart failure or SCD?, **Jaspal Dua, UK**  
 The older Fontan patient: why is he/she still failing?, **Damien Cullington, UK**  
 The single ventricle patient who did not undergo Fontan palliation: how is he/she doing?,  
**Alexander Van De Bruaene, Belgium**  
 The systemic RV: was is eventually heart failure or SCD?, **Magalie Ladouceur, France**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### SATURDAY, MAY 28, 2022

09:00 - 10:30 HALL 4 (Salle C, Level 0)

#### AS12 - Paediatric Cardiovascular Intensive Care

Chair: **Damian Hutter, Switzerland**

Co-chair: **Nikolaus Haas, Germany**

O-079 A bicentric propensity matched analysis of 158 patients comparing porcine versus bovine stented bioprosthetic valves in pulmonary position, **Bunty Ramchandani, Spain**

O-080 Surgical Repair of Obstructed Total Anomalous Pulmonary Venous Connection in Infants: Results and Risk Factors for Mortality in a Single Centre Cohort, **Avishek Samaddar, United Kingdom**

O-081 Aortic Root Dilatation after Ross Operation, **Nereida Shehu, Germany**

O-082 Effect of Platelet Transfusions on Extracorporeal Life Support Oxygenators' Function, **Oliver Karam, USA**

O-083 Renal and Cardiac Effects of Remote Ischemic Preconditioning in Children Undergoing Cardiopulmonary Bypass Surgery, **Yuk Law, USA**

O-084 Necrotizing enterocolitis and congenital heart disease, **Sylvie Di Filippo, France**

09:00 - 10:30 HALL 5 (Salle S6-S7, Level 0)

#### S35 - Clinical Management of Pre- and Post-Capillary Pulmonary Hypertension, including ECLS and Transplantation

Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation

Chair: **Martin Köstenberger, Austria**

Co-chair: **Ina Michel-Behnke, Austria**

Risk Stratification in Paediatric Pulmonary Hypertension, **Damien Bonnet, France**

Risk Assessment and Advanced Therapies for RV Failure in severe PAH, **Georg Hansmann, Germany**

Pulmonary Vascular Resistance in Left Heart Disease- Implications for Mechanical

Circulatory Support and Heart Transplantation, **Karin Tran-Lundmark, Sweden**

Advanced Therapies for Postcapillary Pulmonary Hypertension (HLHS variants, cardiomyopathies), **Maurice Beghetti, Switzerland**

## SCIENTIFIC PROGRAM IN DETAIL

Keynote Lectures	WG Sessions	Oral Abstract Sessions	Moderated Poster Sessions	Nursing Sessions	Business Meetings	Industry Sessions	Update Course	Breaks
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### SATURDAY, MAY 28, 2022

09:00 - 10:30 HALL 6 (Salle E&F, Level 3)

#### AS13 - Cardiac Dysrhythmias and Electrophysiology

Chair: **Birgit Donner, Switzerland**

Co-chair: **Thomas Kriebel, Germany**

O-085 Typical AVNRT - underestimated arrhythmia after atrial redirection surgery for d-transposition of the great arteries? 20 years of catheter ablation, **Stephan Neumann, Germany**

O-086 Action potential shape in right ventricular myocardium of patients with congenital heart defects is related to fibrosis and disease severity, **Hannah Elisabeth Fürniss, Germany**

O-087 Coronary sinus ablation in pediatric patients with supraventricular arrhythmias; eight years single-center experience, **Alper Güzeltas, Turkey**

O-088 The effect of electro-anatomical mapping on the success rate and fluoroscopy time in supra-ventricular tachycardia ablation in children, **Robin Andrew Bertels, Netherlands**

O-089 Cheek smear analysis as a prognostic tool in children with arrhythmogenic cardiomyopathy, **Carlos Bueno-Beti, UK**

O-090 Electrophysiologic study characteristics and risk assessment in patients with intermittent vs persistent ventricular preexcitation, **Yakup Ergül, Turkey**

09:00 - 10:30 HALL 7 (Salle S4, Level -1)

#### NS07 - Methods corner: Novel interventional studies assessing outcomes in patients with CHD

Joint / WG: Nursing and Allied Health Professionals & Neurodevelopment and Psycho-Social Care

Chair: **Ewa-Lena Bratt, Sweden**

Co-chair: **Malin Berghammer, Sweden**

Neurodevelopmental outcomes, **Johanna Calderon, France**

Transition-related outcomes, **Mariela Acuna Mora, Sweden**

Lifestyle and behavioral outcomes, **Cristopher McCusker, Ireland**

Economic and health policy outcomes, **Ruben Willems, Belgium**

10:30 - 11:00 Break

11:00 - 12:30 HALL 1 (Amphithéâtre D, Level 1)

#### S36 - Percutaneous treatment for the wide RVOT

WG: Interventional Cardiology

Chair: **Lars Sondergaard, Denmark**

Co-chairs: **Massimo Chessa, Italy**

Melody Harmony Valve, **Andreas Eicken, Germany**

Pulsta Valve, **Mario Carminati, Italy**

VenousP valve, **Shakeel Qureshi, UK**

Alterra+Sapien, **Gregor Krings, Netherlands**

Critical appraisal and personal view, **Lee Benson, Canada**

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### SATURDAY, MAY 28, 2022

11:00 - 12:30 HALL 2 (Salle A, Level 0)

#### S37 - Outcome measures in CHD research

Joint / WG: Task Force on Clinical (drug) Trials & Pulmonary & neurodevelopment and psycho-social care

Chair: **Michal Odermarsky, Sweden**  
 Co-chair: **Katya De Groote, Belgium**

Biomarkers in congenital heart disease, **Wim Helbing, Netherlands**

New imaging modalities for the assessment of heart failure, **Thorsten Laser, Germany**

The introduction of new devices: RCT's or registries, **Thomas Krasemann, Netherlands**

Tools to measure quality of life and psychosocial effects in research in CHD, **Christopher McCusker, UK**

11:00 - 12:30 HALL 3 (Salle B, Level 0)

#### S38 - Systemic right ventricle - basic and clinical aspects

Joint session CV Morphology/Basic Science/Fetal/ACHD/Surgery

Chair: **Joanna Dangel, Poland**  
 Co-chair: **Annalisa Angelini, Italy**

Development and morphology of RV in subpulmonary and subsystemic position, **Loucile Houyel, France**

Remodeling of systemic right ventricle, **Beatrijs Bartelds, Netherlands**

Prenatal assessment of systemic right ventricle, **Sally Ann Clur, Netherlands**

Systemic right ventricle - surgical aspects, **Hitendu Dave, Switzerland**

Adult with systemic right ventricle, **Alexander Van De Bruaene, Belgium**

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### SATURDAY, MAY 28, 2022

11:00 - 12:30 HALL 4 (Salle C, Level 0)

#### MP05 - Cardiac Imaging / functional assessment & Interventional cardiology

Chair: **Oliver Kretschmar, Switzerland**

Co-chair: **Emanuela Valsangiacomo, Switzerland**

P-082 Neonatal cardiac, feed-and-wrap, free-breathing 4D Flow MRI is comparable to standard free-breathing 2D Flow assessment, **Hannah Panayiotou, UK**

P-063 The role of cardiac magnetic resonance imaging in pediatric myocarditis, **Alper Guzeltas, Turkey**

P-057 Reduced neonatal fronto-limbic connectivity is associated with higher externalizing symptoms in toddlers with Congenital Heart Disease, **Alexandra Bonthrone, UK**

P-085 Validation of various approaches to aorta, pulmonary artery and pulmonary branches measurements in CT scans, **Jarosław Meyer Szary, Poland**

P-119 Myocardial strain response to a preload challenge in the Fontan circulation, **Simone Goa Diab, Norway**

P-192 Piccolo in Interventional PDA Closure; Multicenter Study from Premature to Adolescent, **Osman Baspinar, Turkey**

P-322 First in Man Use of a Novel FDA Approved Stent Design for Congenital Heart Disease-the G-ARMOR Stent, **Gareth Morgan, United States**

P-181 How is the Melody™ TPV doing 15 years after implantation ?, **Marc Gewillig, Belgium**

P-200 Importance of RVOT gradient in the diagnosis of transcatheter pulmonary valve endocarditis, **Salaets Thomas, Belgium**

P-292 Institutional experience with the Occlutech© atrial flow regulator (AFR) in children with congenital heart disease, **Adam Koleśnik, Poland**

P-297 Implantation of a new transcatheter heart valve for pulmonary position: Meril's Myval™, **Alper Guzeltas, Turkey**

P-294 Does pulmonary artery stenting in single ventricle patients affect lung growth and function?, **Alessia Callegari, Switzerland**

11:00 - 12:30 HALL 5 (Salle S6-S7, Level 0)

#### S39 - Novelties in the indications and management of CIED in pediatric patients

Joint / WG: Dysrhythmias, PACES

Chair: **Fabrizio Drago, Italy**

Co-chair: **Maully Shah, USA**

Expert Consensus Statement on the Indications and Management of CIED in Pediatric Patients – what is new?, **Maully Shah, USA**

Leadless pacing – real option in children and GUCH patients?, **Eric Rosenthal, UK**

His-bundle pacing – EP, **Roman Gebauer, Italy**

Non-transvenous pacing and ICD systems – presence and future perspectives, **Johannes Von Alvensleben, USA**

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### SATURDAY, MAY 28, 2022

11:00 - 12:30 HALL 6 (Salle E&F, Level 3)

#### AS14 - Paediatric Cardiovascular Care Intensive

Chair: **Tornike Sologashvili, Switzerland**

Co-chair: **Nicole Sekarski, Switzerland**

O-091 Short to long-Term outcome of patients implanted with a telemetric adjustable pulmonary artery banding device FloWatch-PAB® in Switzerland, **Sara Valerie De Meyer, Switzerland**

O-092 Hospital Survival has Improved in Neonates with Congenital Heart Disease

Supported on Prolonged ECMO – An ELSO registry based cohort study, **Shashi Raj, USA**

O-093 Personalised External Aortic Root Support (PEARS) applied for dilatation aortopathies in paediatric patients, **Ana Redondo, UK**

O-094 Complete atrio-ventricular septal defect: Modified 2-patches technique, **Raymond Pfister, Switzerland**

O-095 Presence of multiple preoperative risk factors ( $\geq 3$ ) is associated with poor prognosis in an 11-year national cohort of HLHS patients, **Sabina Selenius, Finland**

O-096 Does additional pulmonary anterograde flow at the Glenn procedure improve pulmonary artery growth and at what cost?, **Lyudmil Simeonov, Bulgaria**

11:00 - 12:30 HALL 7 (Salle S4, Level -1)

#### AS15 - COVID-19

Chair: **Skaiste Sendzikaite, Switzerland**

Co-chair: **Sabrina Bressieux-Degueldre, Switzerland**

O-097 Three-dimensional echocardiography and global longitudinal strain in the assessment of left ventricular function in children after PIMS-TS, **Halszka Kamińska, Poland**

O-098 Increase in Kawasaki disease incidence observed in 30-year population-based study in Scandinavia, **André Rudolph, Sweden**

O-099 Complete resolution of cardiac sequelae is seen in patients treated for paediatric multisystem inflammatory syndrome (PIMS) by 12 months, **Sally Hall, UK**

O-100 A comparative study of cardiac involvement of Kawasaki Disease and Multisystem Inflammatory Syndrome post Covid (MISC) in children, **Debadatta Mukhopadhyay, India**

O-101 Kawasaki disease in the time of COVID-19 – The International Kawasaki Disease Registry, **Ashraf S Harahsheh, USA**

O-102 Anakinra in treatment of Pediatric Inflammatory Multisystem Syndrome Temporally associated with SARS-CoV2 infection (PIMS-TS) with cardiac involvement, **Joanna Lea Friedman Gruszczynska, Poland**

12:30 - 13:30 HALL 1 (Amphithéâtre D, Level 1)

#### KEYNOTE LECTURE & CLOSING

Cardiology and cardiac surgery in third world countries: Towards a global approach

Chair: **Reza Hosseinpour, Spain**

Keynote: **René Prêtre, Switzerland**

## INDUSTRY SYMPOSIA

### Industry Symposium 1 - Medtronic

**Symposium Title** : Present & Future of Transcatheter Pulmonary Valve Replacement

**Date** : Thursday 26 May 2022

**Time** : 13:20 - 14:20

**Hall** : Hall 2 (Salle A, Floor 0)

**Moderator** : *Prof. Stephan Schubert, Germany*

**Medtronic** Engineering the extraordinary

**Session Flow** :

13:20 - 13:40 Long-term experience with Melody TPV: Insights & Learnings, *Dr. Stanimir Georgiev, Germany*

13:40 - 14:00 RV Remodeling after PPVI: Time matters !, *Prof. Marc Gewillig, Belgium*

14:00 - 14:20 Harmony TPV - Future option for treating wide RVOTs, *Dr. Gareth Morgan, United States*

### Industry Symposium 2 - W. L. Gore & Associates, Inc.

**Symposium Title** : Challenging case experience and clinical evidence for the GORE® CARDIOFORM ASD Occluder

**Date** : Friday 27 May 2022

**Time** : 12:50 - 13:50

**Hall** : Hall 2 (Salle A, Floor 0)

**Moderator** : *Dr. Gianfranco Butera, Italy*



**Session Flow** :

12:50 - 12:55 Introduction - *Dr. Gianfranco Butera, Italy*

12:55 - 13:15 The Gore ASSURED Clinical Study: Pivotal + Continued Access Results in 568 patients treated with the GORE® CARDIOFORM ASD Occluder - *Dr. Matthew J. Gillespie, US*

13:15 - 13:30 Case discussion - experience from Switzerland with the GORE® CARDIOFORM ASD Occluder - *Prof. Oliver Kretschmar, Switzerland*

13:30 - 13:45 Case discussion - experience from UK with the GORE® CARDIOFORM ASD Occluder - *Dr. James R. Bentham, UK*

13:45 - 13:50 Conclusion - *Dr. Gianfranco Butera, Italy*

On behalf of the AEPC and the Local Organizers  
 we would like to thank all our sponsors and exhibitors for their contribution to the  
 AEPC 2022 Annual Meeting



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## INDUSTRY COMPANY PROFILES

### Abbott

Web : [www.abbott.com](http://www.abbott.com)

For more than 130 years, we've put science and innovation to work to create breakthrough products in diagnostics, medical devices, nutrition and branded generic pharmaceuticals – that help people live healthier lives.

Our Amplatzer family of occluders for congenital heart defects are considered as the standard of care for minimally invasive atrial septal defect (ASD) and patent ductus arteriosus (PDA) closure, with a variety of shapes, sizes, and features that facilitate precise placement. Our Amplatzer Piccolo™ Occluder is the only PDA closure solution indicated for patients  $\geq 700$ g and proven to deliver safe and effective closure to confidently treat neonates and infants.



### AOP Health

Web : [www.aop-health.com](http://www.aop-health.com)

The brand AOP Health incorporates several companies: The international Healthcare Group is the European pioneer for integrated therapies for rare diseases and in critical care. Over the past 25 years, the company has become an established provider of integrated therapy solutions from its headquarters in Vienna, its subsidiaries and representative offices throughout Europe and the Middle East, as well as through partners worldwide. This development has been made possible by a continually high level of investment in research and development on the one hand and a highly consistent and pragmatic orientation towards the needs of all our stakeholders on the other – especially the patients and their families as well as also the doctors and care professionals treating them.



### Berlin Heart GmbH

Web : [www.berlinheart.de/en/](http://www.berlinheart.de/en/)

Berlin Heart GmbH develops, produces and markets innovative systems for mechanical circulatory support. With our products EXCOR Adult and EXCOR Pediatric, we cover the entire scope of medical indications. We are the only company in the world offering systems that can support patients of every age and size, from newborns all the way to adults.

Our systems are used for left, right\* or biventricular (bilateral) circulatory support: EXCOR, Berlin Heart's paracorporeal VAD, is virtually unrivaled in the domain of biventricular circulatory support.



## INDUSTRY COMPANY PROFILES

### Edwards Lifesciences

Web : [www.edwards.com/gb](http://www.edwards.com/gb)

Edwards Lifesciences, based in Irvine, Calif., is the global leader of patient-focused medical innovations for structural heart disease and critical care monitoring. We are driven by a passion for patients, dedicated to improving and enhancing lives through partnerships with clinicians and stakeholders across the global healthcare landscape. For more information, visit <https://www.edwards.com/gb> and follow us on Facebook, Instagram, LinkedIn, Twitter and YouTube.



### GE Healthcare

Web : [www.gehealthcare.com](http://www.gehealthcare.com)

GE Healthcare is a leading global medical technology and digital solutions innovator. GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, diagnostic pharmaceuticals, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping drive productivity and improve outcomes for patients, providers, health systems and researchers around the world. Follow us on Facebook, LinkedIn, Twitter and Insights or visit our website [www.gehealthcare.com](http://www.gehealthcare.com) for more information.



### Gore & Associates GmbH

Address : Hermann-Oberth-Str. 22 / 85640 Putzbrunn / Germany  
 Web : [goremedical.com/eu](http://goremedical.com/eu)

Gore engineers medical devices that treat a range of cardiovascular and other health conditions. With more than 50 million medical devices implanted over the course of more than 45 years, Gore builds on its legacy of improving patient outcomes through research, education and quality initiatives. Product performance, ease of use and quality of service provide sustainable cost savings for physicians, hospitals and insurers. Gore is joined in service with clinicians and through this collaboration we are improving lives.



## INDUSTRY COMPANY PROFILES

### Inozyme Pharma

Web : [www.inozyme.com/](http://www.inozyme.com/)

Inozyme Pharma, Inc. is a clinical-stage rare disease biopharmaceutical company developing novel therapeutics for the treatment of diseases of abnormal mineralization impacting the vasculature, soft tissue, and skeleton. Through our in-depth understanding of the biological pathways involved in mineralization, we are pursuing the development of therapeutics to address the underlying causes of these debilitating diseases. It is well established that two genes, ENPP1 and ABCC6, play key roles in a critical mineralization pathway and that defects in these genes lead to abnormal mineralization. We are initially focused on developing a novel therapy, INZ-701, to treat the rare genetic diseases of ENPP1 and ABCC6 Deficiencies. INZ-701 is currently in a Phase 1/2 clinical trial for ENPP1 Deficiency.



### Janssen

Web : [www.janssen.com/](http://www.janssen.com/)

We are Janssen, the pharmaceutical company of Johnson & Johnson. At Janssen we're creating a future where disease is a thing of the past.



### Medtronic

Web : [europe.medtronic.com/xd-en/index.html](http://europe.medtronic.com/xd-en/index.html)

We lead global healthcare technology, boldly attacking the most challenging problems. Our Mission – to alleviate pain, restore health, and extend life – unites a global team of 90,000+ people, and our technologies transform the lives of two people every second, every hour, every day. Expect more from us. Medtronic.



### Northh Medical

Web : [www.northh.de/](http://www.northh.de/)

We are Northh Medical, a German-based company specializing in the field of fetal cardiac MRI. Our CE-marked and FDA-cleared product, smart-sync, is a Doppler ultrasound device, intended to detect the cardiac motion of the fetus and to synchronize the fetal cardiac cycle with the MR image acquisition. With this technology, fetal cardiac MRI becomes possible in clinical routine and can be used for anatomical and



## INDUSTRY COMPANY PROFILES

### NuMED Heart Medical Europe Bv

Web : [heartmedical.nl/en/](http://heartmedical.nl/en/)

NuMED has been an integral part of the interventional community for over three decades. Our mission is the relentless pursuit of the most advanced and highest quality devices for diagnosing and treating congenital heart conditions or peripheral vascular disease. Through the help of a worldwide network of partners, we have improved the lives of patients in more than 100 countries by supplying the most comprehensive portfolio of innovative products, with a focus on pediatrics.



### Occlutech

Address : Ländskronavägen 2 - 252 32 Helsingborg - Sweden  
 Phone : +46 766 36 72 00  
 Web : [www.occlutech.com](http://www.occlutech.com)

Occlutech is a leading specialist provider of minimally invasive cardiac devices, with a mission to improve the quality of life for people with heart conditions. The vision is to become a global leading specialist provider in cardiac devices, addressing congenital heart defects, stroke prevention and heart failure. We market and sell our structural heart and interatrial shunt products to hospitals and clinics in approximately 85 countries through its direct sales organization and international network of distribution partners. We have manufacturing and R&D facilities in Jena, Germany and Istanbul, Turkey, and a global supply and customer support hub in Helsingborg, Sweden.



### Pfm Medical Ag

Address : Wankelstr. 60, 50996 Köln, Germany  
 Phone : +49 (2236) 9641 338  
 Web : [www.pfmmmedical.com](http://www.pfmmmedical.com)

Pfm Medical is an internationally operating, medium-sized family company based in Germany, offering solutions in the field of healthcare. For 50 years we have successfully developed, manufactured and distributed quality products. From our headquarters in Cologne, we direct the activities of our locations both within Germany and abroad.

In the field of Cardio Vascular Technologies – we offer intelligent systems for cardiovascular treatment. With our Nit-Occlud® product range, pfm medical offers a portfolio of innovative occluders for the treatment of congenital and structural heart defects such like the Nit-Occlud® PDA, The Nit-Occlud® Lé VSD suitable for perimembranous and muscular VSDs and the Nit-Occlud® PFO – all products having been implanted in several thousand patients.



## INDUSTRY COMPANY PROFILES

### Proveca Pharma Ltd

Address : No 1 WeWork Office  
Phone : 0161 468 2627  
Web : [www.proveca.com](http://www.proveca.com)

Proveca is a European pharmaceutical company who specialise in the development and licensing of medicines to address unmet medical needs for children. Working with clinicians, parents, carers and children, Proveca are leading the way to provide licensed medicines that are tailored to children's specific requirements.

Proveca's therapy areas focus on the Central Nervous System, Cardiology and the Immune System. Please see website for more information [www.proveca.com](http://www.proveca.com)



### Ventripoint Diagnostics Ltd

Address : 605-2 Sheppard Avenue East, Toronto,  
Ontario M2N 5Y7 Canada  
Phone : 1-833-201-8196  
Web : [www.ventripoint.com](http://www.ventripoint.com)

Ventripoint Diagnostics Ltd is a medical device company that is primarily engaged in the development and commercialization of cardiac diagnostic tools. Ventripoint's flagship product, VMS+, is a diagnostic aid that was developed to provide a point of care solution to better communicate the heart's structure and function without the need for MRI. The VMS+ marries the ingenuity of the cardiac MRI and Echo with the power of Ventripoint's KBR technology. KBR enables you to construct a 3D model of the heart and calculates volumes and ejection fractions for all chambers with an accuracy comparable to the MRI.



### Vr-learning

VMersive enables users to view and manipulate medical images in 3D using virtual reality technology. Users can plan medical procedures using virtual devices such as implants or circulatory support devices directly in our application.

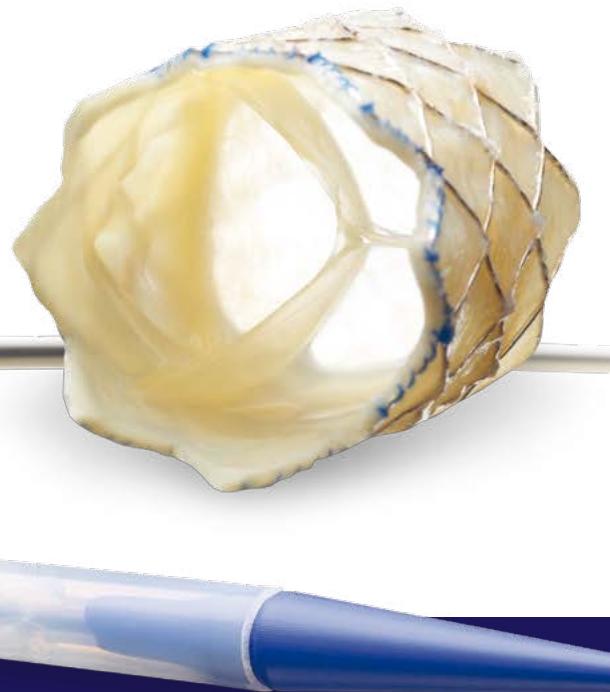
We support DICOM medical images thanks to our cutting-edge volumetric rendering technology.

Abbott has implemented the VMersive solution in all hospitals in Poland where HeartMate3 LVAD implantation is performed. Cardiac surgeons implanting HeartMate3 LVAD can now simulate the process in Virtual Reality using the patient's specific anatomy. The entire set of medical devices required to implant HeartMate 3 is available in VMersive as virtual digital twins.



## Excellent valve durability with low intervention rates comparable to surgery

Discover more



Melody™  
TPV

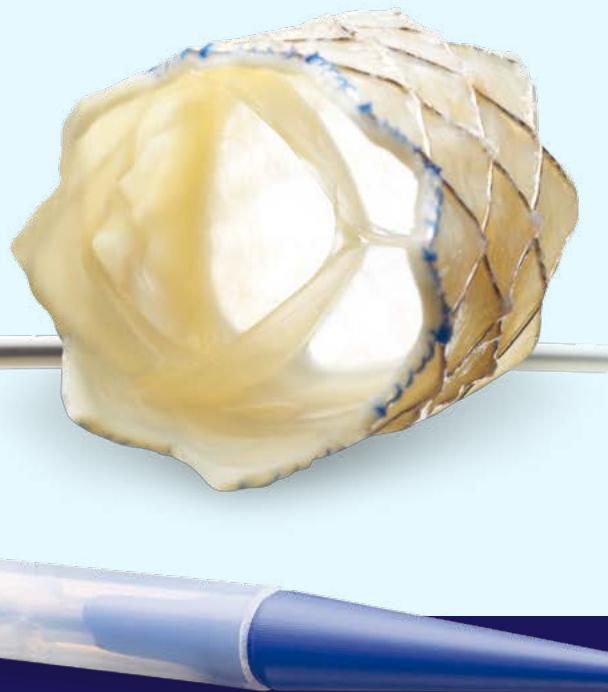
Freedom from surgical intervention on the originally implanted valve  
was **87%** for both Melody TPV and SPVR at **10 years<sup>1</sup>**

**Reference**

<sup>1</sup>Georgiev S, Ewert P, Eicken A, et al. Munich Comparative Study: Prospective Long-Term Outcome of the Transcatheter Melody Valve Versus Surgical Pulmonary Bioprostheses With Up to 12 Years of Follow-Up. *Circ Cardiovasc Interv*. July 2020;13(7):e008963.

## Stable valve hemodynamics helps delay future intervention

**Discover more**



**97% of patients** showed none/trace/mild pulmonary regurgitation **ten years** after implantation. Post-implant mean gradients didn't exceed 20 mm Hg throughout ten-year follow-up.<sup>1</sup>

**Reference**

<sup>1</sup>Melody Transcatheter Pulmonary Valve Study: Post Approval Study of the Original IDE Cohort.



AEPC  
2022

Join our symposium

# Present and future of Transcatheter Pulmonary Valve replacement

Thursday, May 26

Hall 2 | 13:20 -14:20 CET

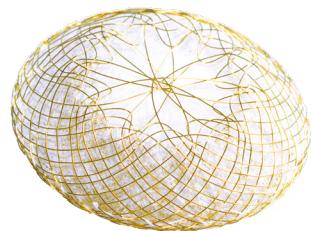


# Every beat counts.

Our mission is to assist health professionals improve the quality of life for people with heart conditions.

We create minimally invasive cardiac devices designed with patient safety and ease of use at heart. Focusing on innovation and close collaboration with top physicians we strive to become the leader in cardiac devices.

With resolve and conviction. Making every beat count.



## ASD

### Occlutech ASD Occluder

"Highly successful device placement on the first attempt." \*

"Greater operator confidence during deployment." \*

## Let's chat!

Most welcome to our booth, just to say hi or discuss an exciting future.

## Booth #6



Next to the reception desk.

Welcome to Occlutech!

\* "A randomized, controlled, multi-center trial of the efficacy and safety of the Occlutech Figulla Flex-II Occluder compared to the Amplatzer Septal Occluder for transcatheter closure of secundum atrial septal defects"  
Damien Kenny MD, DOI: 10.1002/ccd.27899

AMPLATZER PICCOLO™ OCCLUDER

## PROVEN PDA CLOSURE FOR PATIENTS 700G AND UP.



### CLINICALLY PROVEN OUTCOMES.



#### IMPLANT SUCCESS

100% for patients  $\leq$  2kg  
87.5% for patients  $>$  2kg



#### EFFECTIVE CLOSURE\*

At 6 months



#### MAJOR COMPLICATIONS\*\*

Through 180 days

\* Assessed by echocardiography and defined as the presence of either a grade 0 (none) or grade 1 (trivial) shunt.  
\*\* Major complications were defined as "device or procedure-related adverse events resulting in death, life-threatening adverse event, persistent or significant disability and/or surgical intervention."

**CAUTION:** This product is intended for use by or under the direction of a physician. Prior to use, reference the Instructions for Use provided inside the product carton (when available), at [eifu.abbottvascular.com](http://eifu.abbottvascular.com) or at [medical.abbott/manuals](http://medical.abbott/manuals) for more detailed information on Indications, Contraindications, Warnings, Precautions and Adverse Events. Information contained herein for DISTRIBUTION in Europe, Middle East and Africa ONLY. Check the regulatory status of the device in areas where CE marking is not the regulation in force. Illustrations are artist's representations only and should not be considered as engineering drawings or photographs. Photo(s) on file at Abbott.

**Abbott Vascular International BVBA** Park Lane, Culliganlaan 2b, 1831 Diegem, Belgium

[www.MyAmplatzer.com](http://www.MyAmplatzer.com)

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**Abbott**



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European pioneer for  
integrated therapies  
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*Needs.  
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# COMPASSION S3 Trial demonstrates excellent clinical outcomes

0%

All cause death at 1 year\*

Device related endocarditis at 1 year\*

Valve frame fracture at 1 year\*



Edwards SAPIEN 3 valve

\* Babaliaros V, et al. One-year Results from the COMPASSION S3 Trial. SCAI 2020. Presented Virtually

For professional use. For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use (consult [eifu.edwards.com](http://eifu.edwards.com) where applicable).

Edwards Lifesciences devices placed on the European market meeting the essential requirements referred to in Article 3 of the Medical Device Directive 93/42/EEC bear the CE marking of conformity.

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VMS+

## Leverage more from your 2D echo



Cardiac imaging analysis with VMS+ augments your 2D echo. By leveraging the power of AI, VMS+ generates **3D models and MRI equivalent volumetrics** from your Echo lab. Results you can trust for all 4 chambers of the heart from your most complex patients.

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## About pfm medical ag

pfm medical is an internationally operating, medium-sized family company based in Germany, offering solutions in the field of healthcare. For 50 years we have successfully developed, manufactured and distributed quality products, while simultaneously offering reliable services.

In the field of **Cardio Vascular Technologies (CVT)** we offer intelligent systems for cardiovascular treatment. Our CVT products are being distributed in most countries around the world.

## Our focus products

With our Nit-Occlud® product range, pfm medical offers a portfolio of innovative occluders for the treatment of congenital and structural heart defects.

- ▶ The **Nit-Occlud® PDA** is designed for the safe and effective occlusion of the congenital heart defect PDA (Persistent Ductus Arteriosus)
- ▶ The **Nit-Occlud® Lé VSD** unique flexible coil design has been especially designed for the closure of Ventricular Septal Defects (VSD) and is suitable for perimembranous and muscular VSDs
- ▶ The **Nit-Occlud® PFO** for the patent foramen ovale is knitted from a single Nitinol wire, making protruding fixation-clamps obsolete

All occlusion devices have already been successfully implanted in several thousand patients around the world. A range of accessories complements this occluder offering, such as snares and diagnostic catheters.

## Contact details

pfm medical ag, [www.pfmmmedical.com](http://www.pfmmmedical.com)  
 service@pfmmmedical.com, F +49-2236-9641-338



For more than 35 years, NuMED has been developing, manufacturing, and delivering groundbreaking cardiovascular products for patients with heart defects. Our company now manufactures over 26 interventional brands that are distributed in more than 100 countries globally.

NuMED's mission is to develop innovative high-quality, minimally invasive medical devices to constantly improve the treatment and long-term outcomes of patients with congenital heart defects. NuMED collaborates with thought leaders around the world and welcomes the opportunity to partner with interventionalists in creating tomorrow's cardiovascular product advancements.

For more information, please visit our website:  
[www.numedforchildren.com](http://www.numedforchildren.com).

## FEATURED PRODUCTS

### *NuDEL™ All-In-One Stent Delivery System*

- Innovative all-in-one Covered CP Stent delivery system which is designed for the efficient and effective treatment of Coarctation of the Aorta and Right Ventricular Outflow Tract (RVOT)
- System includes the proven technologies of the Covered CP Stent™, mounted on a Balloon-in-Balloon (BIB®) catheter which is covered by an introducer sheath
- Available with a Covered CP Stent™ ranging from 1.6-4.5 cm lengths, and BIB® outer balloon diameters available in 12.0-24.0 mm
- Only available in an 8 zig configuration

### *D'VILL™ Long-Length Kink Resistant Introducer*

- Long-length, kink resistant introducer designed for the safe and effective introduction of large diameter interventional devices
- Includes one braided sheath with a radioopaque marker band, and a dilator compatible with an 0.035" guidewire
- Available in 12 FR and 14 FR sizes with 30 cm, 65 cm and 85 cm usable lengths
- Compatible with the CP Stent® family of products and BIB® catheters



# 56<sup>th</sup>

## Annual Meeting of the Association for European Paediatric and Congenital Cardiology

April 26-29, 2023

Dublin,  
Ireland

[www.aepc2023.org](http://www.aepc2023.org)



BELFAST  
DUBLIN



# SAVE THE DATE





56<sup>th</sup>

Annual Meeting  
of the Association  
for European  
Paediatric and  
Congenital  
Cardiology

April 26-29, 2023

Dublin,  
Ireland



## Working Group Session Submissions

Open by June 2022

**Deadline by July 11, 2022**

## Abstract Submissions

Open by July 29, 2022

**Deadline by November 14, 2022**

## Registration System

Open by July 29, 2022

**Early Registration Deadline by January 30, 2023**

**Please pay attention that the deadlines are approximately 1 month earlier to the usual deadlines of AEPC Annual Meetings, since the AEPC 2023 is in April instead of May.**

[www.aepc2023.org](http://www.aepc2023.org)



[www.aepc2022.org](http://www.aepc2022.org)