



FINAL PROGRAM E-BOOK

55th

**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

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 Mont 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>

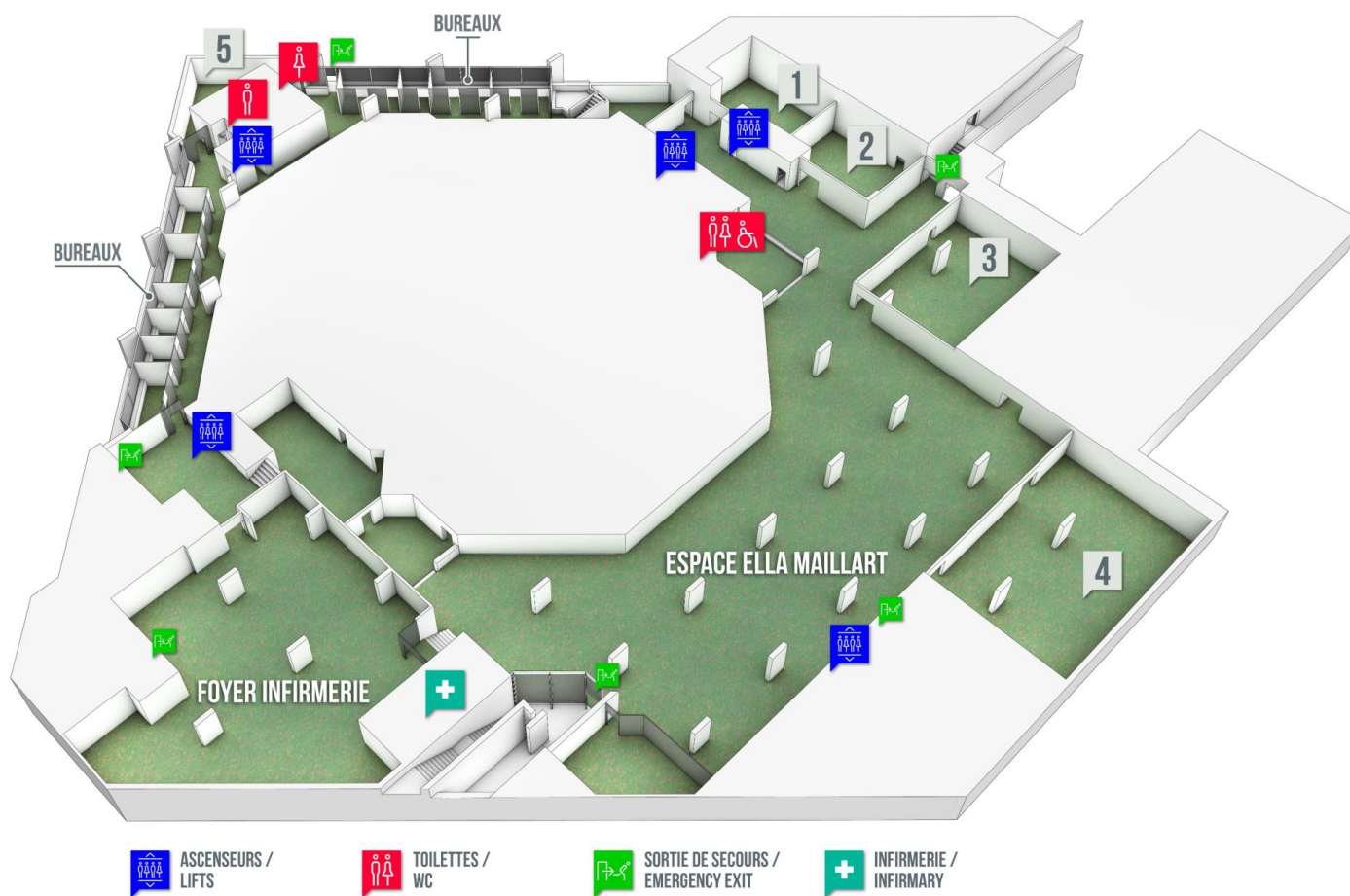
MEETING SPACES IN THE VENUE & FLOORPLANS

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 interventionalists 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

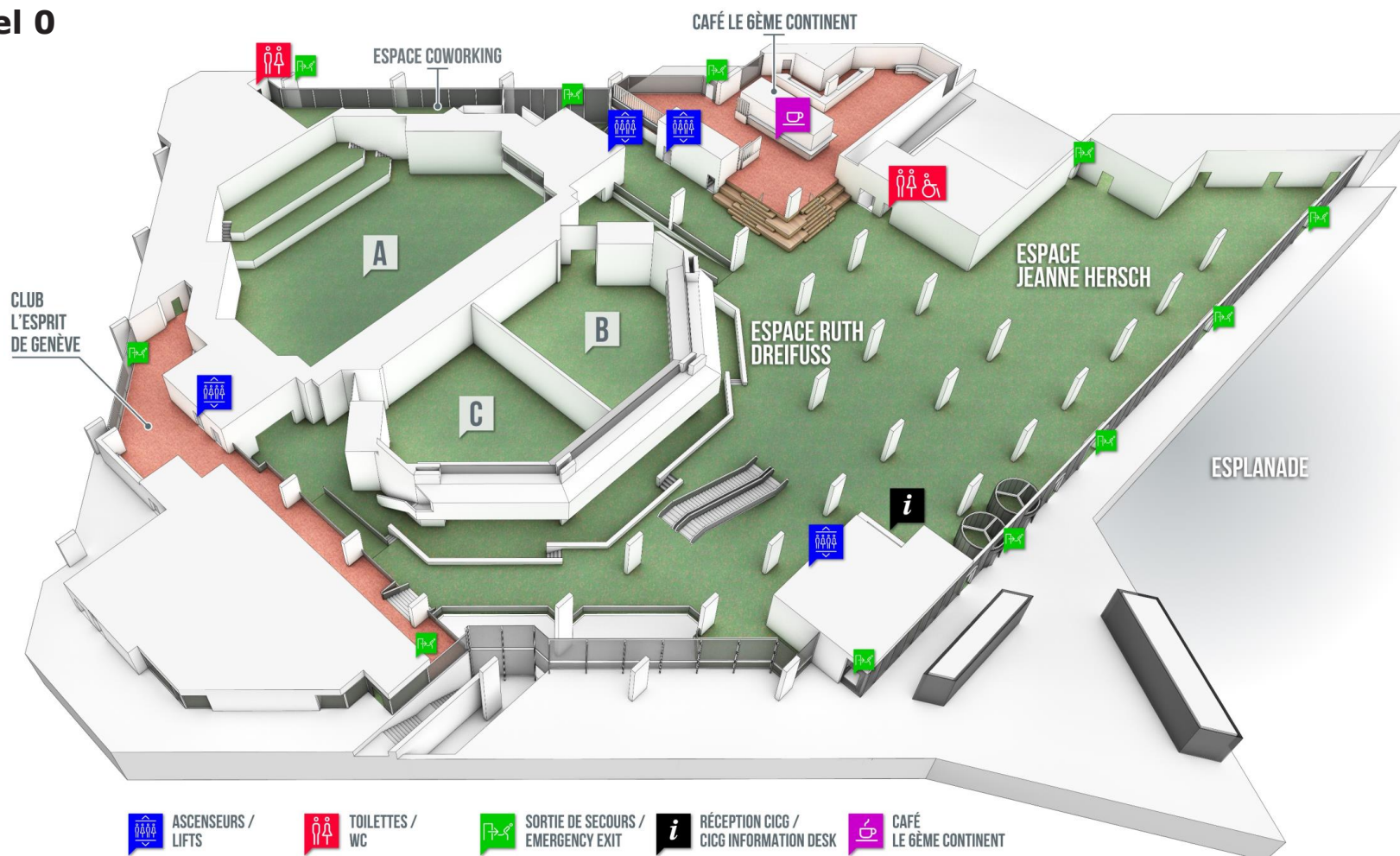
VENUE & FLOORPLANS

Level -1



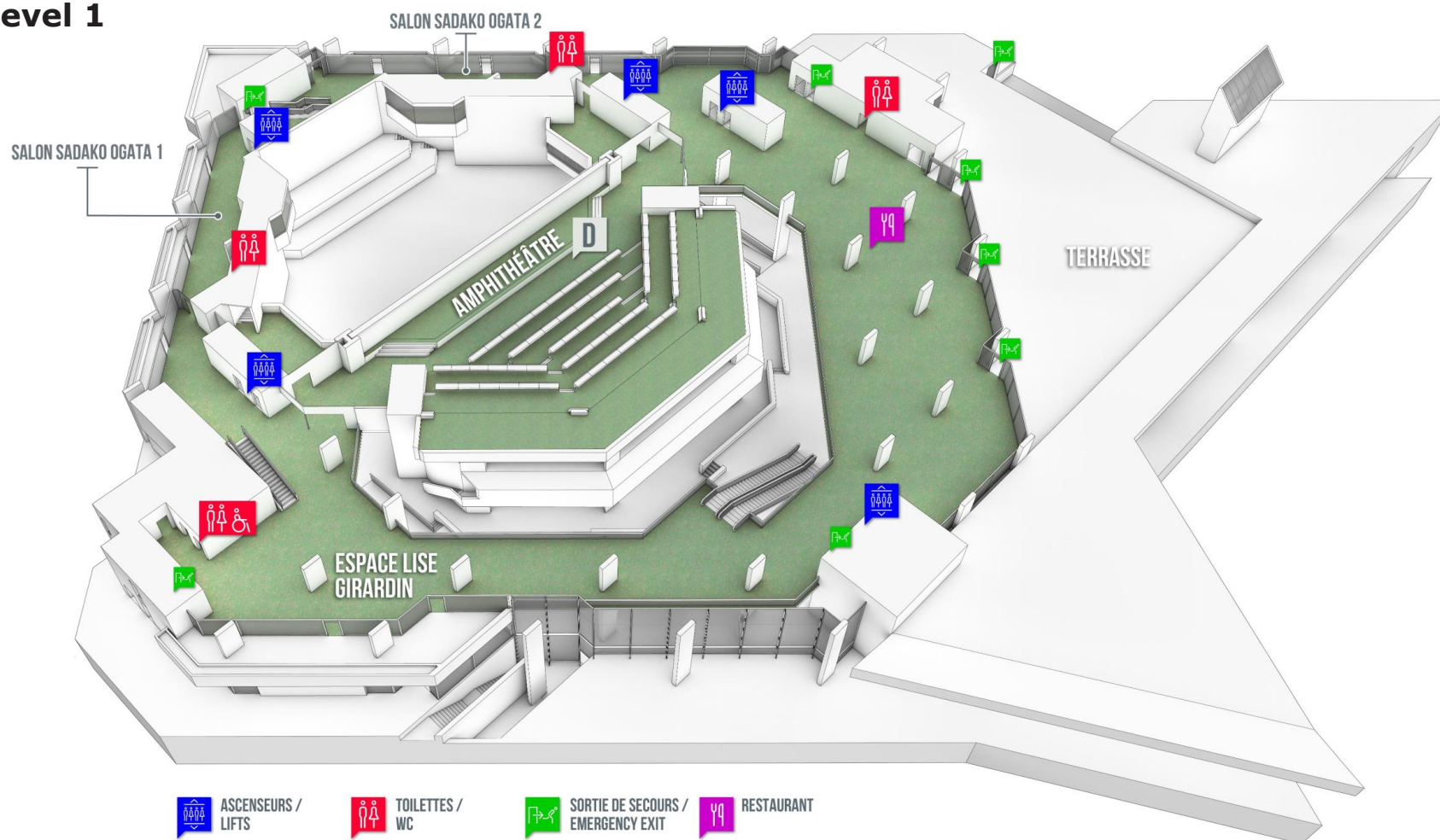
VENUE & FLOORPLANS

Level 0

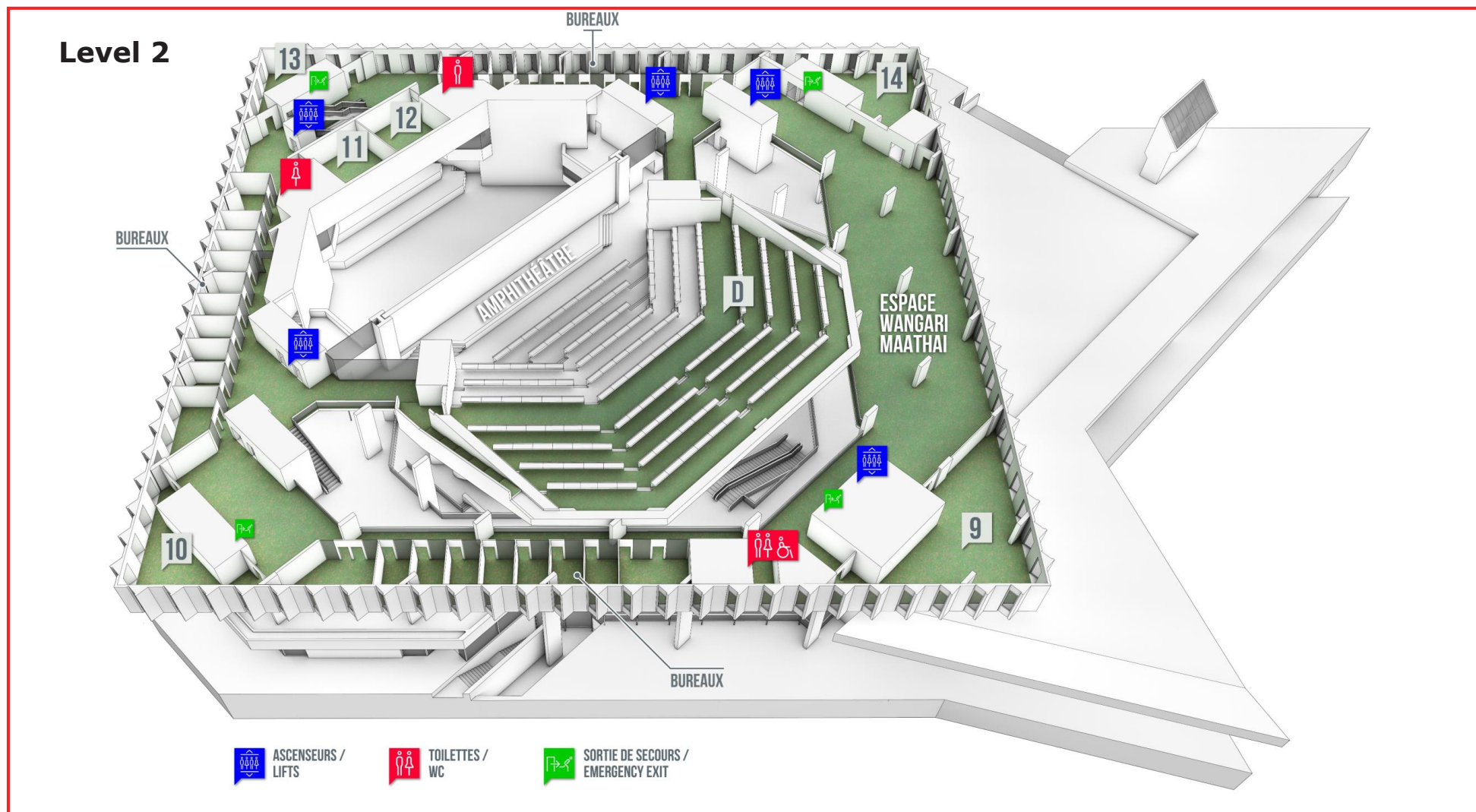


VENUE & FLOORPLANS

Level 1

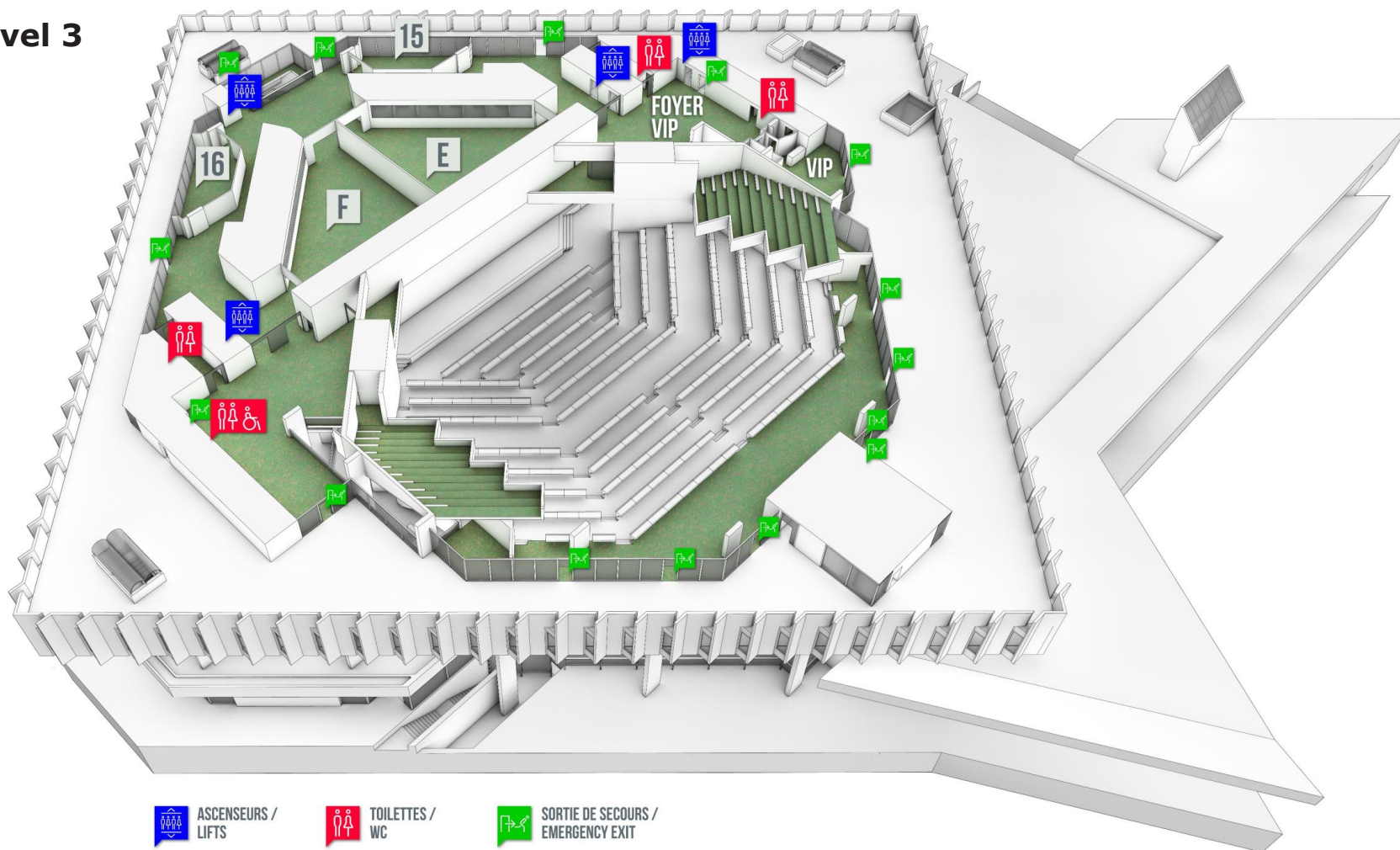


VENUE & FLOORPLANS



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 Volkan at 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) 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

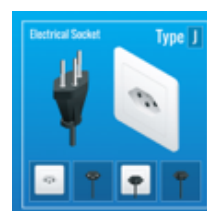
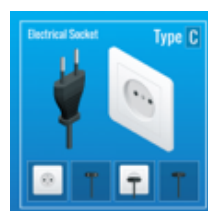
Geneva, Switzerland operates Central European Summer Time (CEST) during May which is 2 hours ahead of Greenwich Mean Time (GMT+2).

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 taxis, 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 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	WG Scientific Sessions	Nursing Sessions	Industry Sessions
	Abstract Sessions	Moderated Posters	Business Meetings	Update Course

MAY 25 - WEDNESDAY				
Time Slot	Hall 1 (Auditorium D, Floor 1)	Hall 2 (Salle A, Floor 0)		Hall 7 (Salle S4, Floor -1)
08:00 - 16:00		08:00 - 15:40 UPDATE COURSE		09:00 - 16:00 NURSING EDUCATION DAY
16:00 - 16:45	OPENING CEREMONY			
16:45 - 17:15	MANNHEIMER 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	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	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 <u>This session will happen in Salle 14 on Level 2</u>	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	WG Scientific Sessions	Nursing Sessions	Industry Sessions
	Abstract Sessions	Moderated Posters	Business Meetings	Update Course

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: Sports cardiology, Physical Activity and Prevention & Pulmonary Hypertension	S19 Corrected transposition of the great arteries – Timing and technique Seperate / 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 Seperate / 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 Seperate / WG: Pulmonary Hypertension, Heart Failure and Transplantation	MP04 Paediatric Cardiovascular Intensive Care & Adult congenital heart disease & Prevention	S24 ECG Quiz Seperate / WG: Cardiac Dysrhythmias and Electrophysiology	S25 Fetal cardiovascular magnetic resonance imaging for prenatal diagnosis of complex congenital heart defects Seperate / 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 Seperate / WG: Pulmonary Hypertension, Heart Failure and Transplantation	S28 TGA/DORV with Pulmonary outflow tract stenosis Seperate / WG: Congenital Heart Surgery	S29 Arrhythmias in adult CHD patients Seperate / WG: Adult Congenital Heart Disease	S30 Puzzle the Experts Seperate / WG: Fetal Cardiology	S31 Artificial Intelligence and Cardiac Intensive Care Seperate / 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 Diagnostic Errors in CHD Imaging Joint / WG: Imaging, American Society of Echo	S33 Successes and failures in the cathlab Seperate / WG: Interventional Cardiology	S34 Tell your pediatric colleagues: how is the patient doing in adulthood? <i>Seperate WG / Adult congenital heart disease</i>	AS12 Paediatric Cardiovascular Intensive Care	S35 Clinical Management of Pre- and Post-Capillary Pulmonary Hypertension, including ECLS and Transplantation Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation	AS13 Cardiac Dysrhythmias and Electrophysiology	NS07 Methods corner: Novel interventional studies assessing outcomes in patients with CHD Joint / WG: Nursing and Allied Health Professionals & Neurodevelopment and Psycho-Social Care
10:30 - 11:00	BREAK						
11:00 - 12:30	S36 Percutaneous treatment for the wide RVOT Seperate / WG: Interventional Cardiology	S37 Outcome measures in CHD research Joint / WG: Task Force on Clinical (drug) Trials & Pulmonary & neurodevelopment and psycho-social care	S38 Systemic right ventricle - basic and clinical aspects Joint session CV Morphology/Basic Science/Fetal/ACHD/Surgery	MP05 Cardiac Imaging / functional assessment & Interventional cardiology	S39 Novelties in the indications and management of CIED in pediatric patients Joint / WG: Dysrhythmias, PACES	AS14 Paediatric Cardiovascular Intensive Care	AS15 COVID-19
12:30 - 13:30	KEYNOTE LECTURE & CLOSING						

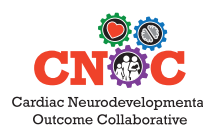
Cardiology in the Young

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 (CNOC)



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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/>

To contact AEPC Association Office:

AEPC Office (c/o Kenes Associations)

Phone: +41 229 080483 | E-mail: 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 Paediatric 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 Milanese, 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 Pretre, 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 Milanese
Massimo Padalino
Massimo Silveti
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-Rajszys
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-Degueldre
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, Maurice Beghetti	11:40 – 12:50	Pulmonary arterial hypertension Chairs: Georg Hansmann, Martin Kostenberger Diagnosis: essential points, Rolf Berger Current and New treatment, Maurice Beghetti Treatment strategy and Outcome, Damien Bonnet
08:10 – 12:00	Morning session: PULMONARY ARTERIES	12:50 – 13:50	Lunch Break
08:10 – 08:40	Basics Chair: Nicole Sekarski Embryology and Normal anatomy, Lucile Houyel Histology and Physiopathology, Annalisa Angelini	Afternoon session: PULMONARY VEINS	
08:40 – 10:10	Pulmonary atresia and intact septum Chairs: Shakeel Qureshi, Alexander Kadner Diagnosis: essential points to image, Emanuela Valsangiacomo Treatment: catheter intervention versus surgery: Catheter, Stefano di Bernardo Surgery, George Sarris Long term outcome, Kisaburo Sakamoto Discussion	13:50 – 14:20	Basics Chair: Maurice Beghetti Embryology and Normal Anatomy, Lucile Houyel Physiopathology and Histology, Annalisa Angelini
10:10 – 10:30	Break	14:20 – 15:30	Pulmonary vein stenosis Chairs: Rene Prêtre, Oliver Kretschmar Diagnosis: essential points to image, Tilman Humpl Treatment: catheter interventions versus surgery, Felix Berger Long term outcome, Kathy Jenkins, United States Discussion Conclusion, Nicole Sekarski
10:30 – 11:40	Pulmonary atresia / VSD Chairs: Hitendu Dave, Tobias Rutz Diagnosis: essential points to image (MAPCA's), Milan Prsa Treatment, Tornike Sologashvil Outcome, Lars Sondergaard 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 Abnormalities, **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. Conorepair, **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 Anomalies- 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, **María López Blázquez, Spain**

O-002 Shaping the heart tube by modulation of cardiomyocyte differentiation: identification of Greb1l 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. Ruijbeek, 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 interventionalists 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: **Hiroyoki Yamagishi, Japan**

Co-chair: **Ornella Milanese, 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 Ödemiş, 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, Netherlands**

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

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 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 Golfenshtein, 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**

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

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 Sallmon, 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 Sinning, 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**

SCIENTIFIC PROGRAM IN DETAIL

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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	

SCIENTIFIC PROGRAM IN DETAIL

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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- O-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**

SCIENTIFIC PROGRAM IN DETAIL

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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 Schöffel, 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 Bonthron, UK**

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

SCIENTIFIC PROGRAM IN DETAIL

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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 Muiño 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 Güzeltaş, 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 Tavecova, 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-Rajszyś, 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 neonatal 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

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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 Sendzikaite, 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 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

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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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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

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, **Nerejda 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

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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 Güzeltaş, 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	<p>HALL 2 (Salle A, Level 0)</p> <p>S37 - Outcome measures in CHD research Joint / WG: Task Force on Clinical (drug) Trials & Pulmonary & neurodevelopment and psycho-social care</p> <p>Chair: Michal Odermarsky, Sweden Co-chair: Katya De Groote, Belgium</p> <p>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</p>
11:00 - 12:30	<p>HALL 3 (Salle B, Level 0)</p> <p>S38 - Systemic right ventricle - basic and clinical aspects Joint session CV Morphology/Basic Science/Fetal/ACHD/Surgery</p> <p>Chair: Joanna Dangel, Poland Co-chair: Annalisa Angelini, Italy</p> <p>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</p>

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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 Bonthron, UK**

P-085 Validation of various approaches to aorta, pulmonary artery and pulmonary branches measurements in CT scans, **Jaroslav 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 (≥ 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 SYMPOSIUM

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**

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we would like to thank all our sponsors and exhibitors for their contribution to the
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INDUSTRY COMPANY PROFILES

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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.



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INDUSTRY COMPANY PROFILES

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Web : 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.



Edwards

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Web : 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 for more information.



Gore & Associates GmbH

Address : Hermann-Oberth-Str. 22 / 85640 Putzbrunn / Germany

Web : 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/

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.



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Web : 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/

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 : Landskronavägen 2 - 252 32 Helsingborg - Sweden
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Pfm Medical Ag

Address : Wankelstr. 60, 50996 Köln, Germany
Phone : +49 (2236) 9641 338
Web : www.pfmmedical.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.

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INDUSTRY COMPANY PROFILES

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Phone : 1-833-201-8196
Web : 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.

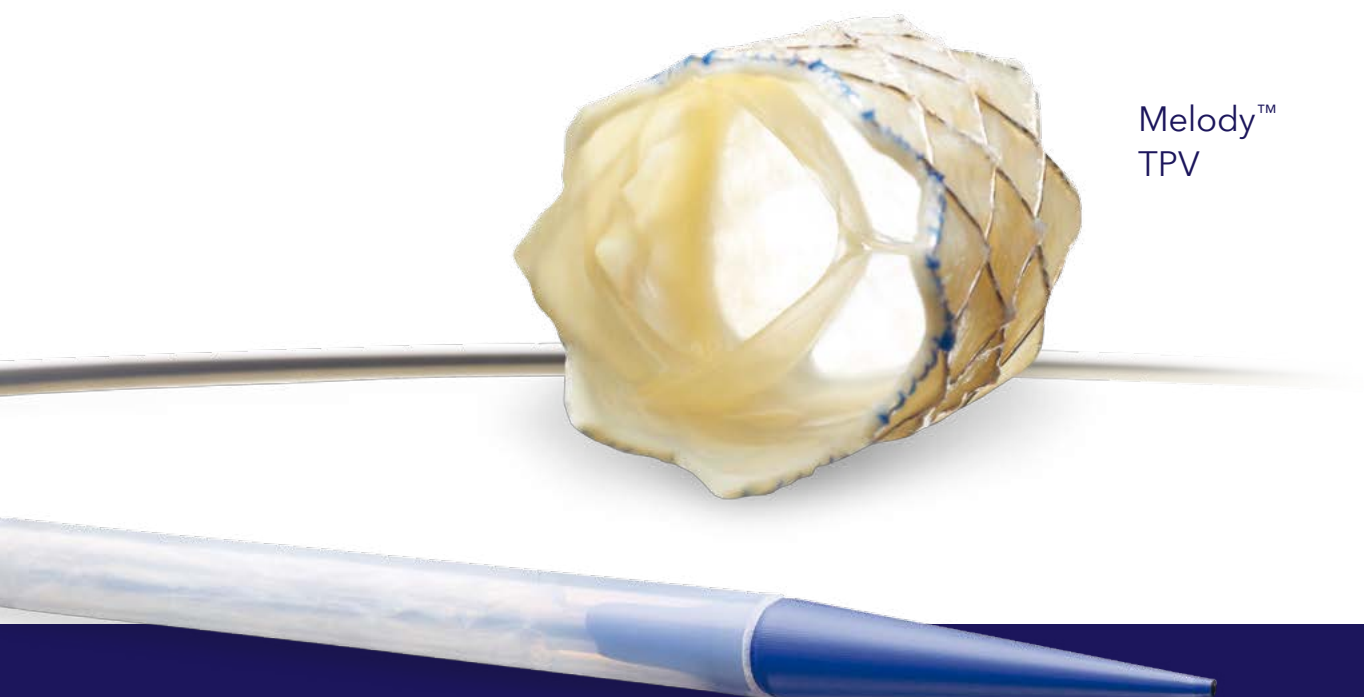
Abbott has implemented the VMersive solution in all hospitals in Poland where HeartMate3 LVAD implantation is performed. Cardiac surgeons implanting HeartMate3 LVAD can now simulate the process in Virtual Reality using the patient's specific anatomy. The entire set of medical devices required to implant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



Medtronic

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**¹

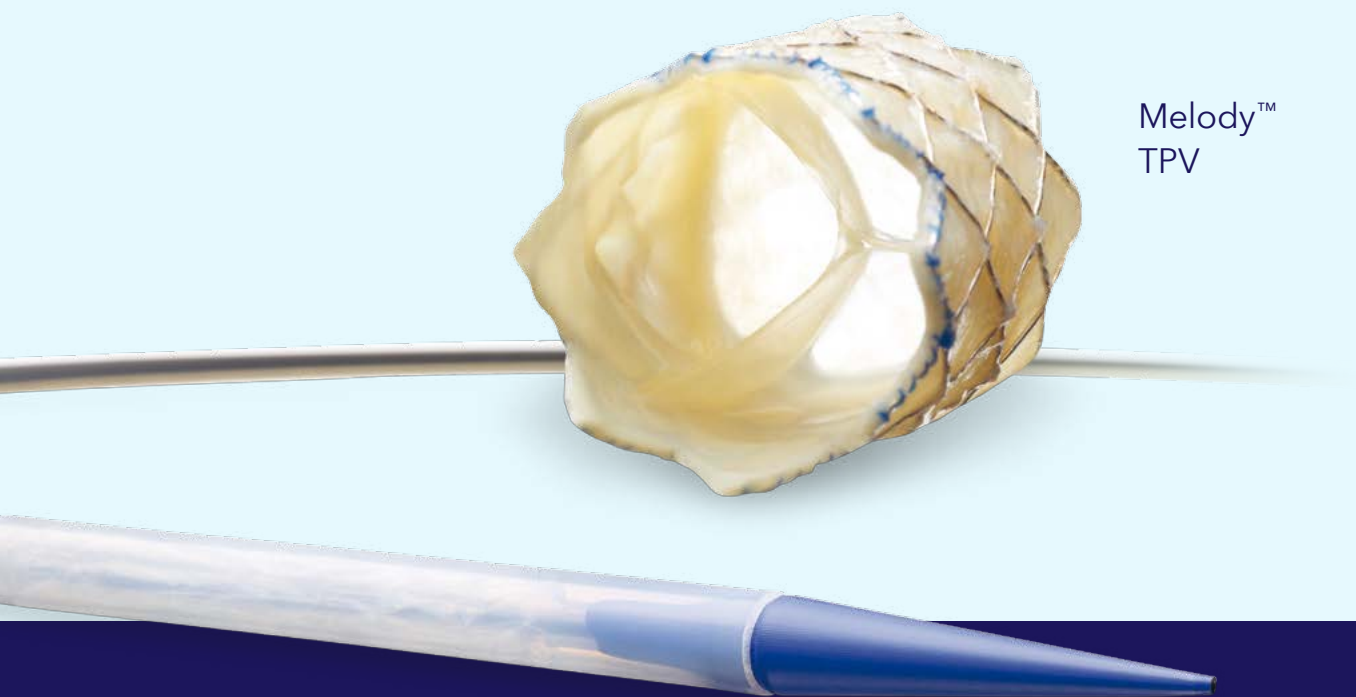
Reference

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

Medtronic

Stable valve hemodynamics helps delay future intervention

[Discover more](#)



Melody™
TPV

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.¹

Reference

¹Melody Transcatheter Pulmonary Valve Study: Post Approval Study of the Original IDE Cohort.



Medtronic

**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!

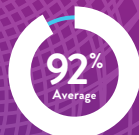
* "A randomized, controlled, multi-center trial of the efficacy and safety of the Occlutech Figulla Flex-II Occluder compared to the Amplatzer Septal Occluder for transcatheter closure of secundum atrial septal defects"
Damien Kenny MD, DOI: 10.1002/ccd.27899

AMPLATZER PICCOLO™ OCCLUDER

PROVEN PDA CLOSURE FOR PATIENTS 700G AND UP.



CLINICALLY PROVEN OUTCOMES.



**IMPLANT
SUCCESS**

100% for patients ≤ 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."

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integrated therapies
for rare diseases and
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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

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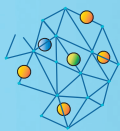
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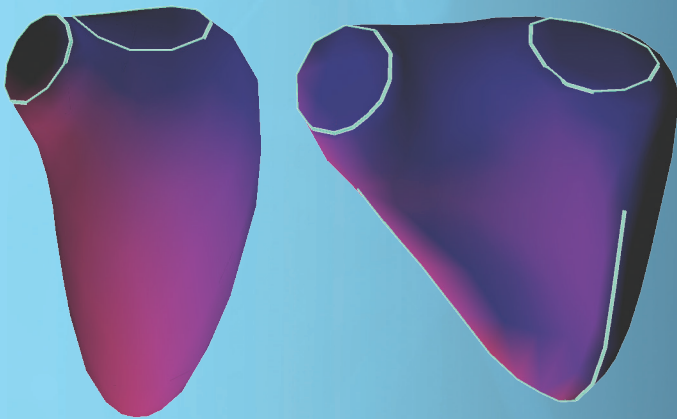
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Ventripoint
Diagnostics Ltd.

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.

Intuitive. Accurate. Reproducible

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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® Lê 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 accompanies this occluder offering, such as snares and diagnostic catheters.

Contact details

pfm medical ag, www.pfmmedical.com
service@pfmmedical.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.

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

56th

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

April 26-29, 2023

**Dublin,
Ireland**

**SAVE
THE DATE**

www.aepc2023.org



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DUBLIN**

56th

Annual Meeting
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April 26-29, 2023

Dublin,
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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.**

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