**SCIENTIFIC PROGRAM**

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**Wednesday, May 25, 2022**

**08:00 - 16:00 / Hall TBD**
**UPDATE COURSE**
Required to register separately. For details and registration to update course please click [HERE](#).

**08:00 - 16:00 / Hall TBD**
**NURSING EDUCATIONAL DAY**
Required to register separately. For details and registration to update course please click [HERE](#).

**16:00 - 16:45 / HALL 1**
**OPENING CEREMONY**

**16:45 - 17:15 / HALL 1**
**MANNHEIMER LECTURE**
Speaker: *Pascal Vouhé, France*
Thursday, May 26, 2022

08:00 - 09:00 / Halls TBD
Business Meetings

09:00 - 11:00 / HALL 1
AEPC Business Meeting

11:00 - 11:30 / Break

11:30 - 13:00 / HALL 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 Burkhart, 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
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
S03 - New cardiovascular drugs and devices
Thursday, May 26, 2022
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, Maria Belen González y González, Germany
Innovative treatments and treatment strategies for pediatric PAH, Rolf Berger, Germany

11:30 - 13:00 / HALL 4
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. Conerepair, Victor Tsang, UK

11:30 - 13:00 / HALL 5
S05 - Coronary arteries in normal and abnormal hearts
Joint / WG: Sports Cardiology, Physical Activity and Prevention & Interventional Cardiology

Chair: Peter Fritsch, Austria
Co-chair: TBA

Coronary Anomlies- Morphology and demo – identification of patterns at risk, Matthias Sigler, Germany
ECG, Echo and Stress Test in Coronary Anomalies-what can we expect?, Stephan Gerling, Germany
MRI, CTA, Angiography in coronary anomalies- do we need additional examinations?, Christian Meierhofer, Germany
Surgery in Coronary Anomalies- what can be done?, René Prêtre, Switzerland
The Role of the interventionalist in diagnostics and treatment, Jamie Bentham, UK

11:30 - 13:00 / HALL 6
AS01 - Genetics, Basic Science and Myocardial Disease
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Chair: Nicole Sekarski, Switzerland
Co-chair: Ingegerd Ostman-Smith, Sweden

Defining Genotype-Phenotype Correlation in Paediatric Patients With Hypertrophic Cardiomyopathy, María López Blázquez, Spain
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
Pathophysiological Role of Dexmedetomidine for Monocrotaline-induced Pulmonary Arterial Hypertension in Rats, Yohei Yamaguchi, Japan
Identifying new genetic causes of pediatric cardiomyopathy by exome sequencing and zebrafish modeling, Claudine W. B. Ruijmbek, Netherlands

Genetic testing outcomes in a cohort of 21,159 children with heart disease, Flavia Facio, USA
Platelet adhesion, fibrin deposition and neo-endothelialization in bovine jugular vein conduits and homografts after implantation in sheep, Ruth Heying, Belgium

11:30 - 13:00 / HALL 7

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

13:00-14:00 / HALL 3

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
Thursday, May 26, 2022

13:00-14:00 / HALL 5

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

Industry Symposium

14:30 - 16:00 / HALL 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
Anticoaguation in ECMO, Oliver Karam, USA
Technical issues related to ICU – ECMO, HitenduDave, Switzerland

14:30 - 16:00 / HALL 2

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
Thursday, May 26, 2022

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

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

Chair: *Hiroyoki Yamagishi, Japan*
Co-chair: *Ornella Milanesi, Italy*

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

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

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

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

14:30 - 16:00 / HALL 4

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

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

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

**AS02 - Cardiac Imaging / functional assessment**

Chair: *Milan Prsa, Switzerland*
Co-chair: *Inga Voges, Germany*

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*

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

Fibrotic myocardial remodeling in children and adolescents after cardiac transplantation – a CMR native T1 mapping study, *Heiner Latus, Germany*
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Classification of abdominal lymphatic perfusion pattern after Fontan surgery and association to hypoproteinemia, Christian Schröder, Germany
Altered white matter microstructure is associated with executive dysfunction in congenital heart disease across childhood and adulthood, Melanie Ehrler, Switzerland
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

14:30 - 16:00 / HALL 6

AS03 - Interventional cardiology

Chair: Oliver Kretschmar, Switzerland
Co-chair: Gianfranco Butera, Italy

Piggyback Mounting for Stent and Valve Deployment during percutaneous pulmonary valve implantation, Gareth John Morgan, USA
Echocardiographically guided interventional PDA closure on the NICU in premature infants – initial experience on 22 patients, Stanimir Georgiev, Germany
Embolization of Vascular Abnormalities in Children with Congenital Heart Diseases Using Medtronic Micro Vascular Plugs, Raymond N. Haddad, France
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
Assessment of computer-simulated stent implantation and virtual reality as tools to plan interventional treatment of aortic coarctation, Nikola Topuzov, Poland
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

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
The role of pregestational diagnosis and fetal screening, TBA
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
## Thursday, May 26, 2022

### 16:30 - 18:00 / HALL 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**

### 16:30 - 18:00 / HALL 2

**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

**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, **László Környei, Hungary**
- Catheter Ablation of IART, **Massimo Silvetti, Italy**
- Device Implantation, **Ferran-Roses Noguer, Spain**
- Device Troubleshooting, **Peter Kubus, Czech Republic**
- TBA, **Michael J. Ackerman, USA**
### Thursday, May 26, 2022

#### 16:30 - 18:00 / HALL 4

**MP01 - General Cardiology**

Chair: **Sylvie di Filippo, France**  
Co-chair: **Anna Cavigelli, Switzerland**

- Paediatric and Adult Congenital Cardiology Training In Europe, **Colin J Mcmahon, Ireland**
- 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**
- Hidden cardiovascular morbidity in children and young adults born with Congenital diaphragmatic hernia: A Population-based study, **Katarina Övermo Tydén, Sweden**
- Pediatric Cardiology Fellowship Programs in countries with limited resources: Achievements and Challenges, **Sulafa K Ali, Sudan**
- Foetal Tricuspid Valve Agenesis/Atresia: Testing Predictions of the Embryonic Aetiology, **Marieke F. J. Buijtendijk, Netherlands**
- Systemic small vessel disease following pediatric heart transplantation, **Constance G Weismann, Germany**
- Differences between QRS-T angle in children with idiopathic dilated cardiomyopathy - a pilot study, **Katarzyna Luczak Wozniak, Poland**
- Infections predispose Kawasaki Disease, a nationwide population-based case-control study of incident cases 1987-2018 in Sweden, **Andre Rudolph, Sweden**
- Preliminary results of follow-up of patients with multisystem inflammatory syndrome associated with Covid-19, **Loudmila Bregel, Russia**
- Adolescents with CHD. -Is their illness perception impacting Quality of life?, **Åsa Burström, Sweden**

#### 16:30 - 18:00 / HALL 5

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

Chair: **Peter Fritsch, Austria**  
Co-chair: **Renate Oberhoffer-Fritz, Germany**

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

#### 16:30 - 18:00 / HALL 6

**AS04 - Adult congenital heart disease**
Thursday, May 26, 2022

Chair: Judith Bouchardy, Switzerland
Co-chair: Paolo Ferrero, Italy

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

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

Ebstein’s anomaly: Functional outcomes after Cone Reconstruction, Lina Hock, Germany

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

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

Medical Rehabilitation in Adults with Congenital Heart Disease, Sebastian Freilinger, Germany

16:30 - 18:00 / HALL 7

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

Chair: Frank Casey, Ireland
Co-chair: Lynda Saughnessy, UK

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

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

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

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

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

Motor Development and Physical Fitness in Children With Congenital Heart Disease, Ana Clara Félix, Portugal
## Friday, May 27, 2022

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<td>09:00 - 10:30</td>
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<td><strong>S15 - The borderline left ventricle, Risk stratification by Imaging</strong></td>
<td>Joint / WG: Imaging &amp; Fetal Cardiology</td>
<td><strong>Annika Ohmann, Sweden</strong></td>
<td><strong>Massimiliano Cantinotti, Italy</strong></td>
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<td>Chair: <strong>Annika Ohmann, Sweden</strong></td>
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<td>Co-chair: <strong>Massimiliano Cantinotti, Italy</strong></td>
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<td>Fetal Cardiac Assessment of the borderline LV, <strong>Anna Seale, UK</strong></td>
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<td>New horizons in fetal imaging, <strong>David Lloyd, UK</strong></td>
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<td>Echocardiographic predictors of biventricular repair, <strong>Ulrike Hoffmann, Germany</strong></td>
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<td>Intra-op, early post op and medium term F/U assessment - multimodality, <strong>Beatrice Bonello, UK</strong></td>
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<td>09:00 - 10:30</td>
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<td><strong>S16 - Innovations and the latest approach in managing ACHD patients with Heart Failure and Transplantation</strong></td>
<td>Joint / WG: Pulmonary Hypertension, Heart Failure and Transplantation &amp; Adult Congenital Heart Disease</td>
<td><strong>Hannes Salmon, Germany</strong></td>
<td><strong>Werner Budts, Belgium</strong></td>
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<td>Chair: <strong>Hannes Salmon, Germany</strong></td>
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<td>Co-chair: <strong>Werner Budts, Belgium</strong></td>
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<td>Delivering patient centred care to adults with congenital heart disease and heart failure – what we can learn from the Covid 19 pandemic, <strong>Louise Coats, UK</strong></td>
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<td>What can a global registry for outcomes in ACHD transplant deliver – introduction to Artoria R, <strong>Christopher Sinning, Germany</strong></td>
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<td>Delivering cavopulmonary support to the failing Fontan circulation -is the dream becoming a reality, <strong>Peter Kramer, Germany</strong></td>
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<td>Determining the Optimal Transplant Listing Window for Patients with Fontan Physiology, <strong>Clive Lewis, UK</strong></td>
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<td>Atrial flow Regulator (AFR) implantation in potential heart transplant recipients, <strong>Nikolaus Haas, Germany</strong></td>
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<td>09:00 - 10:30</td>
<td>HALL 3</td>
<td><strong>S17 - Canadian Society Session</strong></td>
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<td><strong>Nico Blom, Netherlands</strong></td>
<td><strong>Anne Fournier, Canada</strong></td>
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<td>The echo findings related to need for and results of resynchronization therapy, <strong>Mark Friedberg, Canada</strong></td>
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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

09:00 - 10:30 / HALL 4
S18 - Pulmonary Hypertension - Prevention, Physical Activity and competitive Sports
Joint / WG: Sportscardiology, Physical Activity and Prevention & Pulmonary Hypertension

Chair: Martin Koestenberger, Austria
Co-chair: TBA

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, TBA
Case report: PAH and someother issues, Sulaima Albinni, Austria
Case report: PAH and exercise, Julia Hock, Germany

09:00 - 10:30 / HALL 5
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
Young Investigator Award

Chair: Ina Michel-Behnke, Austria
Co-chair: Hiroyuki Yamagishi, Japan

Transcatheter Correction of Sinus Venosus Atrial Septal Defect: From Bench Testing to Clinical Success, Clement Batteux, France
Perinatal Hypoxia Aggravates Occlusive Pulmonary Vasculopathy In Rats Later In Life: Association With Epigenetic Changes, Hironori Oshita, Japan
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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
The critical role of ER selective autophagy in response to Doxorubicin-induced myocardial injury, Shun Nakagama, Japan
Percutaneous transhepatic periportal embolization of hepato-duodenal lymphatic fistulae as treatment for protein losing enteropathy after Fontan, Thomas Salaets, Belgium
Low- versus high-concentration intravenous immunoglobulin for children with Kawasaki disease in the acute phase, Takanori Suzuki, Japan

09:00 - 10:30 / HALL 7
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
Patient’s and parent’s needs, Adrian H. Chester, UK
Role of transplantation and ventricular assist devices in CHD patients, Justyna Rybicka, UK

10:30 - 11:00 / Break

11:00 - 11:30 / HALL 3
HAUSDORF LECTURE
“Be aware of the written word!”
Keynote: Marc Gewillig, Belgium

11:30 - 12:30 / HALL 1
AS06 - Fetal cardiology
Chair: Roland Weber, Switzerland
Co-chair: Felicia Nordenstam, Sweden
Fetal complications associated with fetal cardiac interventions: experience of 205 procedures, Andreas Tulzer, Austria
Short term outcomes after prenatal detection of right aortic arch, Bo Bet, Netherlands
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
Prenatal detection rate of aortic coarctation in a well-organized screenings setting: are we there yet?, Fleur Zwanenburg, Netherlands
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Fetal Aortic Coarctation: a combination of echocardiographic parameters that improves the prediction of postnatal outcome. A single center experience, Giulia Tuo, Italy

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

11:30 - 12:30 / HALL 2

AS07 - Pulmonary Hypertension, Heart Failure and Transplantation

Chair: Julie Wacker, Switzerland
Co-chair: Colin McMahon, Ireland

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

The preponderance of genetic involvement in paediatric pulmonary hypertension, Julien Grynblat, France

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

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

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

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

AS08 - Cardiac Imaging / functional assessment

Chair: TBA
Co-chair: Leo Lopez, USA

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

MRI lymphangiography in children: a single centre experience, Valentina Benetti, UK

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

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

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

Diagnostic Value of 18F-Fluorodeoxyglucose Positron Emission Tomography Computed Tomography in Prosthetic Pulmonary Valve Infective Endocarditis, Maelys Venet, Canada
Friday, May 27, 2022

11:30 - 12:30 / HALL 4

MP02 - Sports Cardiology, Physical Activity and Prevention

Chair: Erzsébet Valéria Hidvégi, Hungary
Co-chair: Renate Oberhoffer-Fritz, Germany

Different profiles of lipoprotein particles associate various degree of cardiac involvement in adolescents with morbid obesity, José Manuel Siurana, Spain
Impact of lockdown on cardiopulmonary function in children with heart disease, Isabelle Schöffl, Germany
Association between objectively measured physical activity and exercise capacity in children with congenital heart disease, Laura Willinger, Germany
Preclinical aortic atherosclerosis in adolescents with chronic disease, Henk Schipper, Netherlands
Effect of physical activity on cardiovascular health in six-year-old children born to mothers with high cardiometabolic risk, Linda Litwin, Poland
Risk Factors for Perioperative Brain Lesions on MRI in Infants with Severe Congenital Heart Disease: A European Collaboration, Alexandra Bonthrone, UK
Motor function in children and adolescents with CHD in a direct twin comparison – same same, but different?, Julia Remmele, Germany
Adverse arterioventricular interaction in adolescents with chronic disease, Victor Verpalen, Netherlands
Common carotid artery characteristics in patients with repaired aortic coarctation compared to other cardiovascular risk factors, Constance G Weismann, Germany
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
Investigating the relation between hemoglobin a1c with left ventricular remodeling patterns in children with type 1 diabetes mellitus, Iulia Rodoman, Moldova
1. Lack of improvement in the postnatal detection of heart defects, Gunnar Wik, Norway

11:30 - 12:30 / HALL 5

AS09 - Interventional cardiology

Chair: Stefano Di Bernardo, Switzerland
Co-chair: Massimo Chessa, Italy

Ductus arteriosus stenting versus Blalock-Taussig shunt for infants with ductal-dependent pulmonary circulation: a comparative international study, Zakaria Jalal, France
A New Self Expandable Valve; Pulsta THV in Patients with Enlarged RVOT and Severe Pulmonary Regurgitation due to Transannular Patch, Ender Ödemiş, Turkey
Percutaneous edge to edge repair for systemic tricuspid valve regurgitation in patients with congenital heart disease: the first descriptive cohort, Patrice Guerin, France
**SCIENTIFIC PROGRAM**

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

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

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

11:30 - 12:30 / HALL 6

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

Chair: *Alice Maltret, France*

Co-chair: *Nico Blom, Netherlands*

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

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

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

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

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

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

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

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

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

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

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

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

**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*
**SCIENTIFIC PROGRAM**

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Pre-operative Information: perspectives of patients, family and healthcare teams, **René Prêtre, Switzerland**
Post-operative pain management tailored to CHD patients, **TBA**
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**

**12:30 - 14:00 / HALL 3**

**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**

**AS05 - Cardiac Dysrhythmias and Electrophysiology**

Chair: **Christian Balmer, Switzerland**
Co-chair: **Maria Cecilia Gonzalez, UK**

Electrocardiographic and electrophysiological characteristics of fasciculoventricular fibers in children: Single-center 8-years experience, **Yakup Ergul, Turkey**
Assessment in a geographical cohort of PRIMAcy performance for risk stratification for sudden cardiac death in childhood hypertrophic cardiomyopathy, **Eva Fernlund, Sweden**
Arrhythmogenic cardiomyopathy in childhood, **Marit Kristine Smedsrud, Norway**
Electrophysiologic characteristics and catheter ablation results of fascicular ventricular tachycardia in children, **Alper Güzeltas, Turkey**
Retrospective single-centre study of paediatric catheter ablation in the era of 3D navigation and mapping, **Jiri Houda, Czech Republic**
Long-term fate of an unselected cohort of congenital long QT syndrome patients diagnosed in childhood, **Terezia Tavacova, Czech Republic**
**Friday, May 27, 2022**

**12:30 - 14:00 / HALL 7**

**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**

**Industry Symposium**

**14:00 - 15:30 / HALL 1**

**S21 - Virtual / Augmented / Mixed Reality in Congenital Cardiology**

Joint session CV Morphology/Imaging /Interventional

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

Morphological specimen vs 3D-printed and virtual models – educational perspective, **Adam Koleśnik, Poland**  
Virtual and mixed reality in cardiovascular medicine, **John Simpson, UK**  
VR in pre-surgical planning, **Martin Kostolny, UK**  
VR in pre-intervention planning, **Gareth Morgan, USA**

**14:00 - 15:30 / HALL 2**

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

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

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

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

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

Surgery of cardiac tumors in children: when and how, **TBA**

**14:00 - 15:30 / HALL 3**

**S23 - Challenges in Paediatric Heart Transplantation**

WG: Pulmonary Hypertension, Heart Failure and Transplantation
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**

**14:00 - 15:30 / HALL 4**

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

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

Thrombocytopenia and Morbidity in Pediatric Post-cardiectomy Veno-arterial Extracorporeal Membrane Failed to Wean from Cardiopulmonary Bypass, **Yu Jin, China**

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

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

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

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

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

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**

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**

**S24 - ECG Quiz**

WG: Cardiac Dysrhythmias and Electrophysiology

**Joachim Hebe, Germany**

**Juha-Matti Happonen, Finland**
Friday, May 27, 2022

14:00 - 15:30 / HALL 6
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

14:00 - 15:30 / HALL 7
AS10 - Sports Cardiology, Physical Activity and Prevention
Chair: Albane Maggio, Switzerland
Co-chair: Doris Ehringer Schetiska, Austria

Physical fitness, BMI, health-related quality of life and mental concentration – Cross-sectional cardiovascular risk data of a large school cohort, Katharina Appel, Germany
Impact of a transition education program on health-related quality of life in adolescents and young adults with congenital heart disease, Pascal Amedro, France
Reference values for cardiorespiratory fitness in children and adolescents with congenital heart disease, Vibeke Klungerbo, Norway
Return to play after SARS-CoV-2 infection: safe sport for children and adolescents, Giulia Cafiero, Italy
Applying Swiss watch high tech and precision to serve high unmet needs of neonates born with congenital heart defects (CHD), Florence Thome, Switzerland
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
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
Friday, May 27, 2022

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
S27 - Challenges in Paediatric Heart Failure in small children with cardiomyopathy Transplantation
WG: Pulmonary Hypertension, Heart Failure and Transplantation

Chair: Zdenka Reinhardt, UK
Co-chair: Georg Hansmann, Germany

Disruption of sodium-dependent vitamin transport: a potential novel cause of cardiomyopathy, Lauren Philips, UK
Precision medicine in cardiomyopathy, Barbara Cardoso, UK
Debate: Pro Pro Medical Heart Failure Management of patient with DCM less than 5 kg, Julie Wacker, Switzerland
Debate: Pro VAD support of patient with DCM less than 5 kg, Oliver Miera, Germany

16:00 - 17:30 / HALL 3
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
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
Friday, May 27, 2022

16:00 - 17:30 / HALL 5
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
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

16:00 - 17:30 / HALL 7
AS11 - General Cardiology

Chair: Walter Knirsch, Switzerland
Co-chair: Maya Bouhabib, Switzerland

Congenital heart defects and their association with maternal diabetes and overweight during pregnancy: a register-based study from Finland, Riitta Turunen, Finland
The Congenital Cardiology Cloud – proof of feasibility of the first telemedical network for pediatric cardiology in Germany, Kathrin Rottermann, Germany
National Paediatric Mortality secondary to Cardiac Causes: An Irish experience, Li Yen Ng, Ireland
Outflow Anatomy in Double-outlet Right Ventricle, Matthias Sigler, Germany
Improved Endothelialization in the Regenerative Small Diameter Vascular Grafts with SNAP Loaded Nanoparticles, Fatemeh Kabirian, Belgium
The value of Galectin-3 in pediatric acute rheumatic fever, Mehmet Gökhan Ramoğlu, Turkey
Saturday, May 28, 2022

08:00 - 09:00 / Halls TBD
Business Meetings

09:00 - 10:30 / HALL 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
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 Tsifa, Greece
Hemorrhage, Ender Ödemiş, Turkey
Connecting right and left, Nathan Hahurij, Netherlands

09:00 - 10:30 / HALL 3
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
### Saturday, May 28, 2022

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**

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<td>09:00 - 10:30 / HALL 4</td>
<td><strong>AS12 - Paediatric Cardiovascular Intensive Care</strong></td>
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<td><strong>Chair:</strong> Damian Hutter, Switzerland <strong>Co-chair:</strong> Nikolaus Haas, Germany</td>
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A bicentric propensity matched analysis of 158 patients comparing porcine versus bovine stented bioprosthetic valves in pulmonary position, **Bunty Ramchandani, Spain**
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**
Aortic Root Dilatation after Ross Operation, **Nerejda Shehu, Germany**
Effect of Platelet Transfusions on Extracorporeal Life Support Oxygenators’ Function, **Oliver Karam, USA**
Renal and Cardiac Effects of Remote Ischemic Preconditioning in Children Undergoing Cardiopulmonary Bypass Surgery, **Yuk Law, USA**
Necrotizing enterocolitis and congenital heart disease, **Sylvie Di Filippo, France**

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<td>09:00 - 10:30 / HALL 5</td>
<td><strong>S35 - Clinical Management of Pre- and Post-Capillary Pulmonary Hypertension, including ECLS and Transplantation</strong></td>
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<td><strong>Chair:</strong> Martin Köstenberger, Austria <strong>Co-chair:</strong> Ina Michel-Behnke, Austria</td>
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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**

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<td>09:00 - 10:30 / HALL 6</td>
<td><strong>AS13 - Cardiac Dysrhythmias and Electrophysiology</strong></td>
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<td><strong>Chair:</strong> Birgit Donner, Switzerland <strong>Co-chair:</strong> Thomas Kriebel, Germany</td>
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Typical AVNRT - underestimated arrhythmia after atrial redirection surgery for d-transposition of the great arteries? 20 years of catheter ablation, **Stephan Neumann, Germany**

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

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

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

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

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

**09:00 - 10:30 / HALL 7**

**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**

**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**
Saturday, May 28, 2022

11:00 - 12:30 / HALL 2

S37 - Outcome measures in CHD research
Joint / WG: Task Force on Clinical (drug) Trials & Pulmonary & neurodevelopment and psycho-social care

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

Biomarkers in congenital heart disease, **Wim Helbing, Netherlands**
New imaging modalities for the assessment of heart failure, **Thorsten Laser, Germany**
The introduction of new devices: RCT’s or registries, **Thomas Krasemann, Netherlands**
Tools to measure quality of life and psychosocial effects in research in CHD, **Christopher McCusker, UK**

11:00 - 12:30 / HALL 3

S38 - Systemic right ventricle - basic and clinical aspects
Joint session CV Morphology/Basic Science/Fetal/ACHD/Surgery

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

Development and morphology of RV in subpulmonary and subsystemic position, **Loucile Houyel, France**
Remodeling of systemic right ventricle, **Beatrijs Bartelds, Netherlands**
Prenatal assessment of systemic right ventricle, **Sally Ann Clur, Netherlands**
Systemic right ventricle - surgical aspects, **Hitendu Dave, Switzerland**
Adult with systemic right ventricle, **Alexander Van De Bruaene, Belgium**

11:00 - 12:30 / HALL 4

MP05 - Cardiac Imaging / functional assessment & Interventional cardiology

Chair: **Oliver Kretschmar, Switzerland**
Co-chair: **Emanuela Valsangiicomo, Switzerland**

Neonatal cardiac, feed-and-wrap, free-breathing 4D Flow MRI is comparable to standard free-breathing 2D Flow assessment, **Hannah Panayiotou, UK**
The role of cardiac magnetic resonance imaging in pediatric myocarditis, **Alper Guzeltas, Turkey**
Reduced neonatal fronto-limbic connectivity is associated with higher externalizing symptoms in toddlers with Congenital Heart Disease, **Alexandra Bonthrone, UK**
Validation of various approaches to aorta, pulmonary artery and pulmonary branches measurements in CT scans, **Jaroslaw Meyer Szary, Poland**
Myocardial strain response to a preload challenge in the Fontan circulation, **Simone Goa Diab, Norway**
Piccolo in Interventional PDA Closure; Multicenter Study from Premature to Adolescent, **Osman Baspinar, Turkey**
**SCIENTIFIC PROGRAM**

**Saturday, May 28, 2022**

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

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

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

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

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

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

11:00 - 12:30 / HALL 5

**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**

11:00 - 12:30 / HALL 6

**AS14 - Paediatric Cardiovascular Care Intensive**

Chair: **Tornike Sologashvili, Switzerland**

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

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**

Hospital Survival has Improved in Neonates with Congenital Heart Disease Supported on Prolonged ECMO – An ELSO registry based cohort study, **Shashi Raj, USA**

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

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

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

Does additional pulmonary anterograde flow at the Glenn procedure improve pulmonary artery growth and at what cost?, **Lyudmil Simeonov, Bulgaria**
Saturday, May 28, 2022

11:00 - 12:30 / HALL 7

AS15 - COVID-19

Chair: Skaiste Sendzikaite, Switzerland
Co-chair: Sabrina Bressieux-Degueldre, Switzerland

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

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

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

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

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

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 - 13:15 / HALL 1

KEYNOTE LECTURE & CLOSING

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

Chair: Reza Hosseinpour, Spain

Keynote: René Prêtre, Switzerland