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: Heleen van der Zwaan, Netherlands

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
S02 - Same lesion - different treatment?
Joint / WG: Interventional Cardiology & GUCH

Chair: Marc Gewillig, Belgium
Co-chair: TBA

PDA, TBA
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: John Thomson, USA

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 cornary 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
### Thursday, May 26, 2022

**Chair:** Nicole Sekarski, Switzerland  
**Co-chair:** Ingegerd Ostman-Smith, Sweden

**Defining Genotype-Phenotype Correlation in Paediatric Patients With Hypertrophic Cardiomyopathy,** Maria 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. Ruijmbeek, 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, Eduardo Da Cruz, USA
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
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: TBA

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 WGs

Chair: **Sabine Klaassen, Germany**
Co-chair: **Juan Kaski, UK**

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**
Thursday, May 26, 2022

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 Ehler, 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 prematures – 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 interventionist needs to know before entering the cathlab, Sujeev Mathuur, UK
3D imaging duing the procedure why and how?, Stefan Schubert, Germany
What can the interventionist learn from the surgeon about 3D techniques, Mark G. Hazekamp, Netherland
What kind of 3D do I use in reality, Damien Kenny, Ireland

16:30 - 18:00 / HALL 3
S13 - How to continue? (Un)resolved rapid fire cases.
WG: Cardiac Dysrhythmias and Electrophysiology
Chair: Laszlo Környei, Hungary
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 Mischczak-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
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
Formation of stochastic effects - congenital malformations in children born from irradiated parents, Svetlana Zotova, Russia
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
Speckle-Tracking Analysis of Fetal Left Ventricular Function in Shone Syndrome, Patrizio Moras, Italy
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
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, TBA
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
**Thursday, May 26, 2022**

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

**AS04 - Adult congenital heart disease**

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: **TBA**  
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

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

09:00 - 10:30 / HALL 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
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
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
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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, Dave Hitendu, 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 Neatea, 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: **TBA**

Co-chair: **TBA**

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 Grymblat, 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: Emanuela Valsangiacomo, Switzerland
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 Mota, 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**

**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
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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*

Cardionuroablation 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*

Homozgyous 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

Keynote Lectures  |  WG Sessions | Oral Abstract Sessions | Moderated Poster Sessions | Nursing Sessions | Business Meetings | Industry Sessions | Update Course | Breaks
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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, *Felicia Cox, UK*
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,*

- 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*

12:30 - 14:00 / HALL 7
**NS06 - Florence Nightingale Lecture**

Keynote: *Gwen R. Rempel, Canada*
Friday, May 27, 2022

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

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

14:00 - 15:30 / HALL 2

S22 - Indian Society Session: Cardiac tumors in pediatric patients

Chair: Sunita Maheshwari, India
Co-chair: TBA

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

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
### SCIENTIFIC PROGRAM

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**Friday, May 27, 2022**

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**

Chair: *Judith Bouchardy, Switzerland*
Co-chair: *Massimo Chessa, Italy*

1. Determining factors for hs-Troponin T and NT-proBNP in a cohort of healthy children (The LIFE child study), *Alexandra Kiess, Germany*
2. Thrombocytopenia and Morbidity in Pediatric Post-cardiotomy Veno-arterial Extracorporeal Membrane Failed to Wean from Cardiopulmonary Bypass, *Yu Jin, China*
3. Surgical Treatment of the Aortic Coarctation Depending on the Anatomical Characteristics, *Hyungtae Kim, South Korea*
4. Surgical strategies and short-term outcomes of biventricular conversion from single ventricular palliation for the complex congenital heart defects, *Xiaomin He, China*
5. Health-Related Quality of Life of Ugandan Children following Valve Replacement Surgery for Rheumatic Heart Disease., *Mohammed Ahmed Mohammed, Turkey*
6. Factors associated with acute kidney injury after cardiopulmonary bypass in children, *Michael Nicolas Gritti, Canada*
7. Pediatric Cardiac Surgery in Ethiopia: A single center experience in an African developing country, *Yayehyirad Mekonnen Ejigu, Ethiopia*
8. The behavior of residual pulmonary artery gradient after arterial switch operation: A longitudinal data analysis, *Obayda M Diraneyya, Saudi Arabia*
9. Bioelectrical impedance analysis as a potential risk marker in adults with Marfan syndrome, *Mathieu Suleiman, Germany*
10. Home-based resistance training in Fontan patients: it’s feasible, safe and efficient!, *Joanie Gagnon, Canada*
11. 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*
12. 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*

**14:00 - 15:30 / HALL 6**

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

WG: Fetal Cardiology
SCIENTIFIC PROGRAM

Keynote Lectures | WG Sessions | Oral Abstract Sessions | Moderated Poster Sessions | Nursing Sessions | Business Meetings | Industry Sessions | Update Course | Breaks

Friday, May 27, 2022

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

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*
**SCIENTIFIC PROGRAM**

**Keynote Lectures**

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**Friday, May 27, 2022**

**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**

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**16:00 - 17:30 / HALL 3**

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

WG: Congenital Heart Surgery

Chair: **Robert Cesnjevar, 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**

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**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 Książczyk, 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**

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**16:00 - 17:30 / HALL 5**

**S30 - Puzzle the Experts**

WG: Fetal Cardiology
Friday, May 27, 2022

Chair: Annika Öhman, Sweden
Co-chair: Sally Ann Clur, 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: Yogen Singh, USA

Artificial intelligence in the Cardiac Intensive Care, Joan Sanchez-de-Toledo, Spain
How to use Data to improve Patient Outcomes, TBA
Remote Telemonitoring in the Cardiac Intensive Care, Ricardo Munoz, USA
Computational Modelling in Cardiovascular Intensive Care, Patricia Garcia Cañadilla, 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*

**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: *Joerg Ingolf Stein, Austria*

- 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*

**09:00 - 10:30 / HALL 4**

**AS12 - Paediatric Cardiovascular Intensive Care**

Chair: *Damian Hutter, Switzerland*
Co-chair: *Nikolaus Haas, Germany*
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*

**09:00 - 10:30 / HALL 5**

**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*

**09:00 - 10:30 / HALL 6**

**AS13 - Cardiac Dysrhythmias and Electrophysiology**

Chair: *Birgit Donner, Switzerland*

Co-chair: *Thomas Kriebel, Germany*

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 Güzeltas, 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*
Saturday, May 28, 2022

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 Søndergaard, Denmark
Co-chairs: Massimo Chessa, Italy

Melody Harmony Valve, Andreas Eicken, Germany
Pulsta Valve, Mario Carminati, Italy
VenousP valve, Shakeel Qureshi, UK
Alterra+Sapien, TBA
Critical appraisal and personal view, Lee Benson, Canada

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
Saturday, May 28, 2022

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, Beatris 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: Alban-Elouen Baruteau, France

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
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 Koleśnik, 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
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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: Eduardo Da Cruz, USA

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

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*

**Saturday, May 28, 2022**

12:30 - 13:15 / HALL 1

**KEYNOTE LECTURE & CLOSING**

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

Keynote: *René Prêtre, Switzerland*