



*52nd Annual Meeting of the
Association for European Paediatric
and Congenital Cardiology (AEPC)*

SCIENTIFIC PROGRAMME

Wednesday 9. May 2018

| | |
|--|--|
| We 08:00-10:30 Banquet Hall | Update Teaching Course: Transposition of the Great Arteries <i>Chairs: George Sarris, Joanna Dangel</i> |
| 08:00-08:10 | Welcome |
| 08:10-08:30 | History of surgical treatment of TGA <i>George Sarris</i> |
| 08:30-08:50 | TGA: anatomy and nomenclature <i>Monique Jongbloed</i> |
| 08:50-09:10 | TGA: what went wrong? <i>Adriana Gittenberger-de Groot</i> |
| 09:10-09:30 | Everything you always wanted to know from the fetal cardiologist <i>Marie Josée Raboisson</i> |
| 09:30-09:50 | Management of TGA after birth preoperatively <i>Eduardo da Cruz</i> |
| 09:50-10:10 | How to present a TGA patient to the surgeon: coronary issues, simple and complex transposition <i>Beatrice Bonello</i> |
| 10:10-10:30 | The Arterial Switch Operation (ASO): pitfalls and tricks <i>José Fragata</i> |
| We 08:30-10:00 MC3.3 | Scientific Advisory Committee Meeting |
| We 10:30-11:00 | Coffee Break |
| We 11:00-13:00 Banquet Hall | Update Teaching Course: Transposition of the Great Arteries <i>Chairs: Nico Blom, José Fragata</i> |
| 11:00-11:20 | A two-stage switch procedure or an atrial switch procedure: a matter of time? <i>Roberto DiDonato</i> |
| 11:20-11:40 | When, how, and what to Image in the postop ASO patient <i>Barbara Burkhardt</i> |
| 11:40-12:00 | Neurodevelopmental outcome of the ASO <i>Hedwig Hövels-Gürich</i> |
| 12:00-12:20 | Long-term outcome of ASO: what have we learned so far <i>Damien Bonnet</i> |
| 12:20-12:40 | Intervention for PS after ASO: what are the pitfalls of catheter intervention and when to advise surgery? <i>Oliver Stumper</i> |
| 12:40-13:00 | Aortic root problems after ASO: when to intervene <i>Mark Hazekamp</i> |
| We 13:00-14:00 | Lunch Break |
| We 13:00-14:00 MC3.3 | National Delegates Meeting & Professional Advisory Committee Meeting |
| We 14:00-15:30 MC3.3 | Education Committee Meeting |
| We 14:00-15:45 Banquet Hall | Update Teaching Course: Transposition of the Great Arteries <i>Chairs: Ornella Milanese, Roberto DiDonato</i> |

| | |
|-------------|---|
| 14:00-14:20 | Coronary pathology after ASO and when and how to intervene <i>René Prêtre</i> |
| 14:20-14:40 | What has been the outcome of the Mustard and Senning patient? Options for the failing atrial switch <i>Ilkka Mattila</i> |
| 14:40-15:00 | Arrhythmias in TGA <i>Laszlo Kornyei</i> |
| 15:00-15:20 | TGA-VSD-LVOTO: Rastelli, REV, Nikaido, other options? <i>Rudolf Mair</i> |
| 15:20-15:45 | Expert Panel discussion <i>All Speakers of all three Update Teaching Course sessions</i> |

**We 16:00-17:45
Trianti Hall**

Opening Ceremony and Mannheimer Lecture

| | |
|-------------|--|
| 16:00-16:05 | Brief welcome speech from LOC co-chairs: <i>George Papadopoulos, George Sarris</i> |
| 16:05-16:10 | Introductory remarks: <i>Gurleen Sharland</i> , President of the AEPC |
| 16:10-16:15 | Brief introduction of the Mannheimer Lecture <i>Nico Blom</i> |
| 16:15-17:00 | Mannheimer Lecture: Transposition Past, Present and Future <i>Bill Brawn</i> |
| 17:00-17:15 | Horseshoe Ceremony <i>Ornella Milanese</i> |
| 17:15-17:30 | Proclamation of Honorary Members <i>Ornella Milanese</i> |
| 17:30-17:45 | Closing of the Welcome Ceremony by LOC chairs: <i>George Papadopoulos, George Sarris</i> |

We 17:45-19:30

WELCOME RECEPTION

Thursday 10. May 2018

**Th 08:00-09:00
Trianti Hall**

Cardiovascular Morphology Working Group Business Meeting

**Th 08:00-09:00
Kokkali Hall**

Working Group on Neurodevelopment and Psycho-Social Care Business Meeting

**Th 08:00-09:00
Skalkotas Hall**

Paediatric Cardiovascular Intensive Care Working Group Business Meeting

**Th 08:00-09:00
MC3 Hall**

Cardiac Dysrhythmias and Electrophysiology Working Group Business Meeting

**Th 08:00-09:00
MC2 Hall**

Pulmonary Hypertension and Heart Failure Working Group Business Meeting

**Th 08:00-09:00
MC3.3**

Cardiac Imaging Working Group Business Meeting

**Th 08:00-09:00
MC3.2 Hall**

Genetics, Basic Science and Inherited Muscle Disease Working Group Business Meeting

**Th 08:00-09:00
Banquet Hall**

Interventional Cardiology Working Group Business Meeting

**Th 09:00-11:00
Trianti Hall**

AEPC Business Meeting

Th 11:00-11:30

Poster Session, Industry Exhibition & Coffee Break

**Th 11:30-13:00
Trianti Hall**

Joint Working Group Symposium AEPC & JSPCCS: Ebstein's anomaly from fetus until adult

Chairs: Kisaburo Sakamoto, Sylvie di Filippo

11:30-11:50

Management of neonatal Ebstein's anomaly
Noboru Inamura

11:50-12:10

Long term outcome of patients with Ebstein's anomaly
Livia Kapusta

12:10-12:30

Surgical management of Ebstein options
Shingo Kasahara

12:30-12:50

Arrhythmias in Ebstein
Joachim Hebe

Th 11:30-13:00

Kokkali Hall

Moderated Oral Poster Session: Basic science – Fetal – Prevention

Chairs: Kleio Laskari, Patrice Bouvagnet

11:30-11:37

MP1-1

Changes of gene expressions in pulmonary arterial hypertension rat models after ambrisentan treatment

Hong Y.M., Kim K.C.

11:37-11:45

MP1-2

Acute Rheumatic Fever – Review of the Previous 40 Years and a Critical Appraisal of the Jones Criteria: A Single-Center Experience

Akca Dinc G., Kucuk M., Baysal K., Inan Aydemir N., Tanyeri B., Uzun N.

11:45-11:52

MP1-3

Circulating endothelial cells and endothelial progenitor cells in relation to the severity of primary hypertension in children

Shi L., Zhang Y., Lin Y., Liu Y., Cui X., Li J.

11:52-12:00

MP1-4

Impact of national prenatal screening program on prenatal detection of Transposition of the Great Arteries over a 10-Year Period: Improved but not enough

Hautala J., Helle E., Gissler M., Ritvanen A., Pitkänen O., Tekay A., Stefanovic V., Sarkola T., Pihkala J., Pätilä T., Mattila I., Jokinen E., Räsänen J., Ojala T.

12:00-12:07

MP1-5

Accuracy of prenatal diagnosis of coarctation of the aorta using z-scores

Vigneswaran T.V., Chivers S., Charakida M., Allan L.D., Zidere V., Simpson J.M., Akolekar R.

12:07-12:15

MP1-6

Fetal Aortic Arch variants: Left or Right matters!

Germanakis I., Pepes S., Sifakis S., Nikolettakis G., Malathrakis D., Chlapoutakis K., Mantas N., Mousourakis S., Giakoumakis I., Mataliotakis I., Makrigianakis A.

12:15-12:22

MP1-7

Microalbuminuria, proteinuria and renal function in children with cyanotic congenital heart disease

Rogińska N., Kawalec W., Żuk M., Litwin M., Brzezińska-Rajszyś G.

12:22-12:30

MP1-8

Adverse Lipid and Inflammatory Changes in Young Nondiabetic First-Degree Relatives of Type 1-Diabetic Patients

Englund E., Maxedius A., Odermarsky M., Liuba P.

12:30-12:37

MP1-9

Subtle cardiomyopathic changes in childhood cancers survivors on 10 year-follow-up

Wolf C.M., Kuehn A., Hager A., Müller J., Reiner B., Meierhofer C., Oberhoffer R., Ewert P., Schmid I., Weil J.

12:37-12:45

MP1-10

Early detection of sudden infant death syndrome: ECG, genetic study and familial cascade screening

Sarquella-Brugada G., Zambrano M.D., Cesar S., Fiol V., Fernandez-Falgueras A., Brugada R., Brugada J., Campuzano O.

12:45-12:52

MP1-11

Comparison of echocardiographic findings and insuline resistance in obese children

Giannisi F., Keivanidou A., Sakellari I., Hassapidou M., Makedou A., Giannopoulos A.

12:52-13:00

MP1-12

Criteria for aortic dilatation diagnosis in adolescents with Bicuspid Aortic valve

Siurana J.M., Sabate A., Ayerza A., Jimenez L., Escriba S., Gonzalez M.A., Sorli M., Rodriguez M., Dominguez O., Rellan S., Portillo M., Albert L., Alvarez R., Figueras M., Teodoro S., Collell R., Lopez B., Manso B., Solana R., Riaño B., Rezola E., Rojo H., Cantero T., Isla R., Jimenez M., Tejero M.A., Perez A.M., Moriano A., Plata B., Salido C.

Th 11:30-13:00

Skalkotas Hall

Special Program for Nurses and Allied Health professionals: Transfer and transition of adolescents with congenital heart disease- putting theory into practice

Chairs: Gaby Stoffel, Adrienne Kovacs

11:30-11:50

Transition into adulthood - Health care needs in adolescents with congenital heart disease

Ewa-Lena Bratt

11:50-12:10

Transition readiness: ready, check, go!?

Eva Goossens

12:10-12:30

Modelling the journey of transition

Lynda Shaughnessy

12:30-12:50

E-health education in transition: the heartapp

Corina Thomet

Th 11:30-13:00

MC3 Hall

Abstract Session: Arrhythmia-Electrophysiology

Chairs: Jean-Pierre Pfammatter, Eric Rosenthal

11:30-11:45

O1-1

Predictors of ECG failure for subcutaneous ICD in children: a prospective multicenter study

Sreeram N., Campbell M., Moore J.P., von Alvensleben J.C., Shah A., Batra A., Law I., Sanatani S., Thomas V., Nik-Ahd F., Williams S., Nosavan N., Maldonado J., Hart A., Nguyen T., Balaji S.

11:45-12:00

O1-2

Cardiac resynchronization therapy for treatment of chronic pulmonary right ventricular dysfunction in congenital heart disease

Kovanda J., Kubuš P., Ložek M., Tomek V., Gebauer R., Janoušek J.

12:00-12:15

O1-3

Brugada Syndrome in the paediatric population: experience from a single center

Gribaudo E., Giustetto C., Gabbarini F., Biava L., Bordese R., Agnoletti G., Gaita F.

12:15-12:30

O1-4

A comparison of different risk stratification strategies for sudden cardiac death in pediatric hypertrophic cardiomyopathy

Östman-Smith I., Sjöberg G., Rydberg A., Larsson P., Fernlund E.

- 12:30-12:45
O1-5 Pacemaker treatment in a national cohort of patients after Fontan surgery
Alenius Dahlqvist J., Wiklund U., Berggren H, Hanseus K., Nygren A, Johansson Ramgren J., Strömvall-Larsson E., Sunnegårdh J., Rydberg A.
- 12:45-13:00
O1-6 Cryoablation for AV Nodal Reentrant Tachycardia in Children and Congenital Heart Disease Patients: Risk Factors for Recurrence
Avramidis D., Bonou P., Tzifa A., Papagiannis J.
- Th 11:30-13:00
MC2 Hall** **Pulmonary Hypertension and Heart Failure Working Group Symposium: Epigenetics and Metabolism in Pulmonary Hypertension and Heart Failure**
Chairs: Juha Koskenvuo, Holger Gerhardt
- 11:30-11:50 The role of the epicardium in cardiac development and heart failure
Monique Jongbloed
- 11:50-12:10 TGF β superfamily members in the pathobiology of PAH and RV Failure
Georg Hansmann
- 12:10-12:30 Lamin related cardiomyopathies
Perry Elliot
- 12:30-12:50 Principles and regulation of vascular patterning
Holger Gerhardt
- Th 11:30-13:00
MC3.3** **Cardiac Imaging Working Group Symposium: CMR of the Fetal and Neonatal Heart**
Chairs: Gerald Greil, Gerald Tulzer
- 11:30-11:50 CMR of the fetal heart – Current applications and future trends
David Lloyd
- 11:50-12:10 CMR in neonates with univentricular hearts
Sylvia Krupickova
- 12:10-12:30 Fetal blood flow in CHD using MRI
Mike Seed
- 12:30-12:50 Time-resolved CMR imaging in neonates
Lutz Sieverding
- Th 11:30-13:00
MC3.2 Hall** **Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Cardiac Regeneration**
Chairs: Willem Helbing, Dietmar Schranz
- 11:30-11:50 All you ever wanted to know about cardiac regeneration and never dared to ask
Marie Gunthel
- 11:50-12:05 Cardiac regeneration in CHD: current knowledge
Beatrijs Bartelds
- 12:05-12:20 Therapeutic Strategies in Heart failure with reduced and preserved ejection fraction
Dietmar Schranz
- 12:20-12:40 Stimulating regeneration in HLHS
Hidemasa Oh
- 12:40-13:00 Replacing cardiac structures, a surgeon's perspective
Jolanda Kluin
- Th 11:30-13:00
Banquet Hall** **Joint Working Group Symposium: Adult Congenital Heart Disease Working Group & Interventional Cardiology Working Group: Valve disease-management in the cath lab**
Chairs: John Thomson, Joerg Stein
- 11:30-11:50 Pulmonary regurgitation in the native RVOT, when and how to treat
Andreas Eicken
- 11:50-12:10 Managing failing pulmonary bioprostheses
Massimo Chessa
- 12:10-12:30 Managing the tricuspid valve in the Cath Lab
Maurizio Taramasso
- 12:30-12:50 TAVR for the Bicuspid Aortic Valve
Chris Malkin
- Th 13:00-14:30** **Lunch Break**
- Th 13:00-14:30
Skalkotas Hall** **Nursing and Allied Health Professionals Working Group Abstract Presentations**
Chairs: Eva Goossens, Ewa-Lena Bratt
- 13:00-13:15 The effects of Transition Care Models in adolescents with Congenital Heart Disease: preliminary results from a quasi-experimental study
Flocco S.F., Dellafiore F., Caruso R., Pittella F., Giamberti A., Carminati M, Chessa M.
- 13:15-13:30 Ready for the transfer to the adult care – Factors associated with transition readiness in adolescents with congenital heart disease
Burström Å., Acuña Mora M., Öjmyr-Joelsson M., Sparud-Lundin C., Rydberg A., Hanseus K., Frenckner B., Nisell M., Moons P., Bratt E.-L.

| | |
|--|--|
| 13:30-13:45 ON-3 | It's like balancing on a slackline - A description from adults living with congenital heart disease <i>Bay A., Lämås K., Berghammer M., Sandberg C., Johansson B.</i> |
| 13:45-14:00 ON-4 | Patient and parent feedback in relation to a dedicated cardiomyopathy transition clinic <i>Green L., Mackay R., Casey C., Daubeney P., Prasad S.</i> |
| 14:00-14:06 MPN-1 | Can Nurses master Pediatric Cardiac Auscultation following appropriate Teaching and Practice? <i>Germanakis I., Archontoulaki S., Giusi J., Burianova Bagaki A., Rikos N.</i> |
| 14:06-14:12 MPN-2 | Coping with new technology – Nursing familiarization with Berlin Heart EXCOR® <i>Laciakova L., Hadackova I., Krivska D.</i> |
| 14:12-14:18 MPN-3 | CHD Parents Need Questionnaire (CHD-PNQ): development and validation of a protocol study amongst Italian population <i>Dellafiore F., Flocco S.F., Pittella F., Conte G., Magon A., Giamberti A., Carminati M., Chessa M., Caruso R.</i> |
| 14:18-14:24 MPN-4 | Scrub nurse. Hybrid nurse in the hybrid procedure <i>Di Iorio F., Pirti C.</i> |
| 14:24-14:30 MPN-5 | Nursing management in the department of surgical treatment of complex cardiac rhythm disturbances and cardiac pacing <i>Apanovich V., Berzon S., Firsova N.</i> |
| Th 13:00-14:30 MC3.3 | Joint AEPC & CIY Board Meeting |
| Th 13:00-14:30 Banquet Hall | Lunch Symposium 1 (sponsored session) |
| Th 13:15-14:15 MC2 Hall | Lunch Workshop 1 (sponsored session) |
| Th 13:15-14:15 MC3.2 Hall | Coding Committee Meeting |
| Th 13:30-14:15 Trianti Hall | Junior Members Meeting |
| Th 13:30-14:30 Kokkali Hall | Lunch Workshop 2 (sponsored session) |
| Th 13:30-14:30 MC3 Hall | Lunch Workshop 3 (sponsored session) |
| Th 14:30-16:00 Trianti Hall | Cardiovascular Morphology Working Group Symposium: Coronary arteries in outflow tract malformations <i>Chairs: Joanna Dangel, Daniel De Wolf</i> |
| 14:30-14:50 | Classification and nomenclature of coronary arteries in CHD <i>Adriana Gittenberger-de Groot</i> |
| 14:50-15:10 | Development of coronary arteries <i>José-Maria Perez-Pomares</i> |
| 15:10-15:30 | Imaging of coronary arteries after arterial switch operation <i>Jan Marek</i> |
| 15:30-15:50 | Surgical challenges in different coronary artery anatomies <i>José Fragata</i> |
| Th 14:30-16:00 Kokkali Hall | Moderated Oral Poster Session: Intervention – Arrhythmias – Surgery IC – Fetal <i>Chairs: Castaldi Biagio, Regina Bokencamp</i> |
| 14:30-14:37 MP2-1 | The subcutaneous ICD (S-ICD) in congenital heart disease – What lessons have we learnt so far? <i>Ghaeni L., Danne F., Yigitbasi M., Berger F., Peters B.</i> |
| 14:37-14:45 MP2-3 | How to Determine the QT-interval in the Paediatric Population: a Comprehensive Analysis of a Large Cohort of Long QT-Syndrome Patients and Controls <i>Vink A.S., Neumann B., Lieve K.V.V., Hofman N., el Kadi S., Schoenmaker M.H.A., Slaghekke H.M.J., Clur S.A.B., Blom N.A., Kaab S., Sinner M.F., Wilde A.A.M., Postema P.G.</i> |
| 14:45-14:52 MP2-4 | Electroanatomic mapping-guided catheter ablation of supraventricular tachycardia in children with Ebstein's anomaly <i>Ergül Y., Koca S., Akdeniz C., Tuzcu V.</i> |
| 14:52-15:00 MP2-5 | Therapeutic Use of Transplacental Nonsteroidal Anti-inflammatory Drugs (NSAIDS) for Fetal Right Heart Failure with Circulatory Shunt <i>Jaeggli E., Torigoe T., Van Mieghem T., Golding F., Seed M., Honjo O., Ryan G., Mawad W.</i> |
| 15:00-15:07 MP2-6 | Impaired lung function in children and adolescents with Fontan circulation may improve after endurance training <i>Hedlund E.R., Ljungberg H., Söderström L., Sjöberg G., Lundell B.</i> |

- 15:07-15:15
MP2-7 Establishing a UK and Ireland wide model for collating cardiac catheter lab morbidity to improve risk assessment and case planning: A retrospective review of 5 major congenital cardiac centres
Shepherd E., Bentham J., Kenny D., Smith B., Taliotis D., Tulloh R., Morgan G.
- 15:15-15:22
MP2-8 The optimal transcatheter method to achieve long term patency of atrial septal defects
Sideris E., Sideris C., Toumanides S., Mouloupoulos S.
- 15:22-15:30
MP2-9 Up to 11 years of experience with the Melody valved stent
Cools B., Boshoff D., Heying R., Eyskens B., Roggen M., Suys B., Troost E., Budts W., Louw J., Frerich S., Gewillig M.
- 15:30-15:37
MP2-10 Does arterial duct morphology predict success and/or failure of stent treatment?
Gewillig M., Cools B., Heying R., Roggen M., Eyskens B., Boshoff D.
- 15:37-15:45
MP2-11 Patient Radiation Dose during Transcatheter Atrial Septal Defect Occlusion
Kollaros N., Tsapaki V., Plemmenos C., Mastorakou I., Apostolopoulou S.C.
- 15:45-15:52
MP2-12 Long-term survival and need of reintervention after treatment of critical valvular aortic stenosis in the neonate; a complete national study in Sweden
Kjellberg Olofsson C., Berggren H., Johansson Ramgren J., Hanseus K., Sunnegårdh J.
- Th 14:30-16:00
Skalkotas Hall** **Joint AEPC and APPCS Session: Challenging Interventions**
Chairs: Li Fen, Felix Berger
- 14:30-14:50 Percutaneous VSD closure in China
Sun Kun
- 14:50-15:10 Catheter closure of sinus venous ASD
Shakeel Qureshi
- 15:10-15:30 Closure of subpulmonary VSD with device through minithoracotomy
Dian Ke
- 15:30-15:50 Ductal stenting: treatment of choice in duct-dependent pulmonary circulation?
John Thomson
- Th 14:30-16:00
MC3 Hall** **Abstract Session: Surgery – Intensive Care**
Chairs: Katrien Francois, Nicole Sekarski
- 14:30-14:45
O2-1 Perioperative cerebral growth is associated with neurodevelopmental outcome in newborns operated for congenital heart disease
Knirsch W., Meuwly E., Von Rhein M., Dave H., Tuura R., Scheer I., Latal B., Jakab A.
- 14:45-15:00
O2-2 Predictors of neo-aortic insufficiency after Ross procedure
Klymyshyn Y., Romaniuk O., Lebid I., Khanenova V., Rudenko N., Kalashnikova R., Artemenko Y., Pozniak Y.
- 15:00-15:15
O2-3 Mortality after cardiopulmonary resuscitation events occurring after paediatric cardiac surgery is associated with procedure complexity
Kramer P., Miera O., Photiadis J., Berger F., Schmitt K.R.L.
- 15:15-15:30
O2-4 Aortopulmonary Collaterals in Neonates with d-Transposition of the Great Arteries – Clinical Significance early after Arterial Switch Operation
Christmann M., Wipf A., Navarini-Meury S., Dave H., Quandt D., Knirsch W., Kretschmar O.
- 15:30-15:45
O2-5 Systemic Atrioventricular Valve Replacement by mechanical prosthesis in Children: Evolution in Practice and Predictors of Long-Term Outcome
Moreau de Bellaing A., Bajolle F., Haydar A., Vouhé P., Bonnet D.
- 15:45-16:00
O2-6 Improvement of early postoperative outcome after total cavopulmonary connection by early extubation strategy
Kramer P., Nordmeyer S., Cho M.-Y., Photiadis J., Miera O., Berger F., Ovrutskiy S.
- Th 14:30-16:00
MC2 Hall** **Pulmonary Hypertension and Heart Failure Working Group Symposium: Best Oral Abstracts Session**
Chairs: Damien Bonnet, Georg Hansmann
- 14:30-14:45
O3-1 Cardiogenetic Approach in Children Cardiomyopathies. Does It Make Change in Clinical Pathway? Results on the Basis of a Cohort of 250 Children
Baban A., Adorisio R., Magliozzi M., Cali F., Alesi V., Rinaldi S., Cantarutti N., Franceschini A., Iodice F.G., Dionisi-Vici C., Digilio M.C., Silvetti M.S., Parisi F., Amodeo A., Carotti A., Iorio F.S., Dallapiccola B., Novelli A., Drago F.
- 14:45-15:00
O3-2 Clinical features and outcomes of Childhood Hypertrophic Cardiomyopathy: a retrospective study in the United Kingdom
Norrish G., Field E., Mcleod K., Illina M., Stuart G., Bhole V., Uzun O., Brown E., Daubeney P., Linter K., Mathur S., Bharucha T., Adwani S., Jones C., Reinhardt Z., Kaski J.P.
- 15:00-15:15
O3-3 Survival and outcome in pediatric myocarditis: Data of the German multicenter registry “MYKKE”
Degener F., Opgen-Rhein B., Wagner R., Boehne M., Weigelt A., Müller G., Racolta A., Rentzsch A., Papakostas K., Reineker K., Kiski D., Wiegand G., Ruf B., Hannes T., Fischer M., Khalil M., Kaestner M., Freudenthal N., Steinmetz M., Fischer G., Pickardt T., Messroghli D., Schubert S. [on behalf of the MYKKE consortium]

- 15:15-15:30
O3-4 Syk regulates pulmonary vasoconstriction
Tabeling C., Herbert J., Boiarina E., Hocke A.C., Sewald K., Lamb D.J., Wollin S.L., Fehrenbach H., Kuebler W.M., Braun A., Suttorp N., Weissmann N., Witzentrath M.
- 15:30-15:45
O3-5 Experience with safety and efficacy of levosimendan in pediatric patients
Mulatie C., Galoin Bertail C., Perouse de Montclos T., Bakloul M., Walton C., Dourousset C., Leconte C., Di Filippo S.
- 15:45-16:00
O3-6 POTTS shunt as a palliation for patients with idiopathic PAH
Bobhate P., Colaco S., Karande T., Kasar P., Kulkarni S.
- Th 14:30-15:30
MC3.3** **ECG Quiz: Arrhythmia challenges: Improve your ECG skills – An interactive session**
Chairs: Joachim Hebe, Juha-Matti Happonen
- Th 14:30-16:00
MC3.2 Hall** **Abstract Session: Imaging 1**
Chairs: Georgia Konstantopoulou, Irene Kuipers
- 14:30-14:45
O4-1 Aortic elasticity after aortic coarctation correction: comparison of state of the art therapies by cardiovascular MRI
Pieper T., Latus H., Gummel K., Reich B., Voges I.
- 14:45-15:00
O4-2 Complimentary coronary artery assessment in Kawasaki Disease with low-dose CT angiography, uncovering vascular pathology missed by echocardiography
van Stijn - Bringas Dimitriades D., Planken R.N., Groenink M., Kuijpers T.W., Kuipers I.M.**
- 15:00-15:15
O4-3 Approaching routine evaluation of right ventricular performance with advanced echocardiographic techniques in patients with hypoplastic left heart syndrome: a study of feasibility and reproducibility
Ponzoni M., Federici D., Galletti L., Marcora S.A.
- 15:15-15:30
O4-4 The Three-dimensional Morphometric Change Of Atrial Septum After The Device Closure Of Atrial Septal Defect Along The Growth
Momoki K., Yasukochi S., Takigiku K., Takei K.
- 15:30-15:45
O4-5 Aortic WSS distribution in TGA patients after arterial switch in rest and during dobutamine-stress
Korenhof A., Van der Palen R.L.F., Van den Boogaard P.J., Blom N.A., Lamb H.J., Kroft L.J.M., Westenbergh J.J.M., Roest A.A.W.
- 15:45-16:00
O4-6 Peripheral venous pressure measurement can replace central venous pressure measurement in pre- and post-Fontan patients undergoing hemodynamic MRI evaluation
Rahkonen O., Ojala T., Martelius L., Happonen J-M.
- Th 16:00-16:30** **Poster Session, Industry Exhibition & Coffee Break**
- Th 14:30-16:00
Banquet Hall** **Interventional Cardiology Working Group Symposium: Optimising the Fontan circulation in the cath lab**
Chairs: John Thomson, Peter Zartner
- 14:30-14:50 Pre Glenn
Marc Gewillig
- 14:50-15:10 Pre Fontan
Oliver Stumper
- 15:10-15:30 Post Fontan
Daniel De Wolf
- 15:30-15:50 The "Interventional Fontan". Where are we now?
Andreas Eicken
- Th 15:30-16:00
MC3.3** **Auscultation Quiz: From Sound to Ultrasound- An Interactive Session by Dr. Ianis Germanakis**
- Th 16:30-18:00
Trianti Hall** **Adult Congenital Heart Disease Working Group Symposium: Difficult Questions in Simple Lesions**
Chairs: Joerg Stein, Damien Cullington
- 16:30-16:50 When and How should I treat Hypertension in Repaired Coarctation?
Massimo Chessa
- 16:50-17:10 When should I screen relatives in case of BAV diagnosis?
Julie De Backer
- 17:10-17:30 When should I start anticoagulation in Fontan?
Alexander Van De Bruaene
- 17:30-17:50 When should I think about leadless pacing for my patient?
Thomas Kriebel
- Th 16:30-18:00
Kokkali Hall** **Abstract Session: Imaging 2**
Chairs: Michael Rigby, Massimiliano Cantinotti

- 16:30-16:45
O5-1 Patient-specific shape modeling to predict response to pulmonary valve replacement in patients with repaired Tetralogy of Fallot
Full P.M., Engelhardt S., Burkhardt B., Tandon A., Velasco Forte M.N., Greil G.F., Wolf I., Lamata P., Hussain T.
- 16:45-17:00
O5-2 Successful Development of a Novel and Rapid Inkjet 3D Printing System for Manufacturing Super Flexible Heart Replicas of Congenital Heart Disease -for Patient Specific Simulation Surgery
Shiraishi I., Kurosaki K., Kanzaki S., Hatanaka K., Hoashi T., Ichikawa I.
- 17:00-17:15
O5-3 Can we predict the unfavorable coronary features in patients with transposition of the great arteries long-term after an arterial switch operation?
Michalak K.W., Moll M., Sobczak - Budlewska K., Moll J.A., Szymczyk K., Dryżek P., Niwald M., Moll J.J.
- 17:15-17:30
O5-4 The new IQoDS score for fluoroscopy imaging revealed impaired visibility for stents and devices with lower metal portion after Allura Clarity update
Mueller G.C., Stute F., Waschkewitz J., Biemann D., Schoen G., Frenzel T., Kozlik-Feldmann R.
- 17:30-17:45
O5-5 Initial data of international study of early vascular aging in children with coarctation of aorta
Senzikaite S., Sudikiene R., Litwin M., Rybak A., Obrycki L., Jankauskiene A.
- 17:45-18:00
O5-6 Three-Dimensional Image Fusion to Facilitate Guidance of Complex Cardiac Catheterizations in Congenital Heart Defects - Results from an International Multi-center Registry
Goreczny S., Schubert S., Dryzek P., Kim S., Sandoval J.P., Morgan G.J., von der Wettern J.M., Moszura T.
- Th 16:30-18:00**
Skalkotas Hall
Paediatric Cardiovascular Intensive Care Working Group Symposium: Trends and strategies for improved Pediatric Cardiac Intensive Care
Chairs: Yogen Singh, Nikolaus Haas
- 16:30-16:50
New trends in hemodynamic monitoring after cardiac surgery
Joan Sanchez De Toledo
- 16:50-17:05
Medical strategies to improve hemodynamics after cardiac surgery in 2018
Eduardo da Cruz
- 17:05-17:20
Role of functional Echocardiography in improving patient care in the PICU
Cecile Tissot
- 17:20-17:40
The role of telemedicine in improving patient's outcome in the PICU
Ricardo Munoz
- 17:40-18:00
Cardiogenetics for the intensivist
Nicole Sekarski
- Th 16:30-18:00**
MC3 Hall
Joint Preventive Cardiology Working Group & Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Risk stratification in genetic heart disease
Chairs: Juan Pablo Kaski, Roman Gebauer
- 16:30-16:50
LQT risks in the current era
Alpay Celiker
- 16:50-17:10
Results from the European HCM registry
Juan Pablo Kaski
- 17:10-17:30
ICDs in CM patients < 16 years (Dutch registry)
Derk-Jan Harkel
- 17:30-17:45
Pro: Predictive genetic testing for hypertrophic cardiomyopathy should not be performed in children under the age of 12
Juan Pablo Kaski
- 17:45-18:00
Con: Predictive genetic testing for hypertrophic cardiomyopathy should not be performed in children under the age of 12
Frank Casey
- Th 16:30-18:00**
MC2 Hall
Abstract Session: Pulmonary Hypertension & Heart Failure
Chairs: Zdenka Reinhardt, Rainer Kozlik-Feldmann
- 16:30-16:45
O7-1 Decades of increasingly elevated risk of Pulmonary Hypertension following premature birth
Naumburg E., Söderström L.
- 16:45-17:00
O7-2 Role of MiRNA in Pulmonary Hypertensive Premature with Bronchopulmonary Dysplasia
Pamukcu O., Narin N., Bayat E., Taheri S., Sunkak S., Tasci O., Baykan A., Uzum K.
- 17:00-17:15
O7-3 Right Ventricular End-Systolic Remodeling Index in the Assessment of Pediatric Pulmonary Arterial Hypertension - Data from the European Pediatric Pulmonary Vascular Disease Network
Koestenberger M., Avian A., Gamillscheg A., Grangl G., Burmas A., Schweintzger S., Baumgartner D., Cvirn G., Kurath-Koller S., Hansmann G.
- 17:15-17:30
O7-4 Ventricular assist devices in pediatric cardiomyopathy and congenital heart disease patients: an analysis from the German National Register for Congenital Heart Defects
Lammers A., Sprenger K., Diller G.P., Helm P.C., Asfour B., Abdul-Khaliq H., Uebing A., Ewert P., Bauer U.M.M., Tutarel O.
- 17:30-17:45
O7-5 Outcome of rescue heart transplantation in paediatric congenital heart disease patients – Single centre results

17:45-18:00
O7-6
Cardoso B., Reinhardt Z., Simpson E., Hasan A., De Rita F., Crossland D.
Outcome After Transplantation in Patients With Eisenmenger Syndrome
Hjortshøj C.S., Gilljam T., Dellgren G., Pentikäinen M., Møller T., Jensen A.S., Holmstrøm H., Turanlahti N., Thilén U., Gustafsson F., Søndergaard L.

Th 16:30-18:00
MC3.3

Abstract Session: Surgery

Chairs: René Prêtre, TjarkEbels

16:30-16:45
O8-1
Long-term survival after univentricular heart surgery
Sunnegårdh J., Synnergren M., Dalén M.

16:45-17:00
O8-2
Neonatal Ross-Konno Procedure after Fetal Aortic Valve Dilatation
Sames-Dolzer E., Kreuzer M., Benedikt P., Mair Ro., Wickenhauser E., Tulzer A., Tulzer G., Mair R.

17:00-17:15
O8-3
Single centre long-term results of Contegra grafts with 1700 patient years of follow-up
Schmiady M., Podonyi A., Balmer C., Weber R., Cannizzaro V., Greutmann M., Hübler M., Dave H.

17:15-17:30
O8-4
Long-Term Transplant-Free Survival of Patients with Single Ventricle Congenital Heart Disease: Does Ventricular Morphology Matter?
Oster M., Knight J., Suthar D., Kochilas L.

17:30-17:45
O8-5
Aortic Valve Replacement by mechanical prosthesis in Children: a positive Long-Term Outcome including for patients with an infantile Marfan syndrome
Moreau de Bellaing A., Raisky O., Haydar A., Bonnet D., Bajolle F.

17:45-18:00
O8-6
Causes of Late Mortality of Children Surviving Initial Congenital Heart Surgery: A Report from the Pediatric Cardiac Care Consortium
McCracken C., Spector L., Knight J., Bradshaw J., Menk J., Moller J., Kochilas L.

Th 16:30-18:00
MC3.2 Hall

Abstract Session: Basic Science

Chairs: Alexandra Frogoudaki, José Diogo Ferreira Martins

16:30-16:45
O6-1
Ion channel TRPM4 modulates RV remodeling under right ventricular pressure load in rat
Uhl S., Frede W., Medert R., Freichel M., Gorenflo M.

16:45-17:00
O6-2
Symptomatic hypertrophic cardiomyopathy in 2 infants with Noonan-syndrome and RIT1-mutation: Successful treatment with the MEK inhibitor trametinib
Hofbeck M., Marquis C., Raboisson M.J., Karalis A., Waldmüller S., Wiegand G., Gelb B.D., Zenker M., Delrue M.A., Andelfinger G.

17:00-17:15
O6-3
Analysis of Notch pathway activity in cardiac progenitor cells of the patients with congenital heart defects
Kozyrev I.A., Ignatieva E.V., Golovkin A.S., Pervunina T.M., Grekhov E.V., Gordeev M.L., Vasichkina E.S., Kostareva A.A., Malashicheva A.B.

17:15-17:30
O6-4
Next-Generation Sequencing with a 482 Gene Panel on 208 Cases of Congenital Heart Defects, Heterotaxy, Primary Ciliary Dyskinesia and Aortopathies
Bouvagnet P., Simonet T., Lambert L., Morice Picard F., Scheidecker S., Willemin M.C., Alice Maltret A., Reix P., Bonnet D., Perouse de Monclot T.

17:30-17:45
O6-5
Novel disease genes for childhood-onset cardiomyopathy: TMOD1 and NRAP
Vasilescu C., Ojala T.H., Hinterding H., Brillhante V., Ojanen S., Lohi J., Carroll C.J., Suomalainen A.

17:45-18:00
O6-6
Unraveling the causes of arrhythmias in very-long chain acyl-CoA (VLCAD) deficiency through the combined use of non-targeted lipidomic and molecular analyses in a mouse model
Lefort B., Gélinas R., Forest A., Bouchard B., Daneault C., Robillard-Frayne I., Ruiz M., Des Rosiers C.

Th 16:30-18:00
Banquet Hall

Interventional Cardiology Working Group Symposium: What I have learned over my career in the cath lab

Chairs: Regina Bokenkamp, Ina Michel-Behnke

16:30-16:50
ASD closure
Maarten Witsenberg

16:50-17:10
VSD closure
GianFranco Butera

17:10-17:30
Branch pulmonary arteries
Felix Berger

17:30-17:50
Coarctation of the aorta
Younes Boudjemline

Th 18:00-19:00
MC2 Hall

AEPC & JSPCCS Business Meeting

Friday 11. May 2018

Fr 08:00-09:00
Skalkotas Hall

Congenital Heart Surgery Working Group Business Meeting

Fr 08:00-09:00
MC3

Nursing and Allied Health Professionals Working Group Business Meeting

| | |
|--|--|
| Fr 08:00-09:00 MC2 Hall | Adult Congenital Heart Disease Working Group Business Meeting |
| Fr 08:00-09:00 MC3.2 Hall | Preventive Cardiology Working Group Business Meeting |
| Fr 08:00-09:00 Banquet Hall | Fetal Cardiology Working Group Business Meeting |
| Fr 09:00-10:30 Trianti Hall | Young Investigators Award <i>Chairs: Nico Blom, Satoshi Yasukochi</i> |
| 09:00-09:15 YIA-1 | X gene variant identified in childhood pulmonary arterial hypertension induces activation of p53 signaling pathway and a decrease in pulmonary arterial smooth muscle cell apoptosis <i>Chida-Nagai A., Furutani Y., Inai K., Furukawa T., Nakayama T., Ono Y., Nakanishi T.</i> |
| 09:15-09:30 YIA-2 | Hypobaric hypoxia during air travel in patients after the Fontan operation <i>Morimoto Y., Ohuchi H., Suzuki D., Iwasa T., Negishi J., Kurosaki K.</i> |
| 09:30-09:45 YIA-3 | Fever within 48 h after Melody implantation is a risk factor of late infective endocarditis <i>Villemain O., Ben Moussa N., Malekzadeh-Milani S., Meot M., Mostefa-Kara Ma., Bonnet D., Boudjemline Y.</i> |
| 09:45-10:00 YIA-4 | A validation study of the paediatric guidelines of the 2014 European Society of Cardiology risk stratification algorithm for sudden cardiac death in hypertrophic cardiomyopathy <i>Norrish G., Field E., Mcleod K., Illina M., Stuart G., Bhole V., Uzun O., Brown E., Daubeney P., Linter K., Mathur S., Bharucha T., Adwani S., Jones C., Reinhardt Z., Kaski J.P.</i> |
| 10:00-10:15 YIA-5 | An innovative cell therapy using mitochondrial drug delivery system for doxorubicin cardiomyopathy <i>Abe J., Yamada Y., Takeda A., Harashima H.</i> |
| 10:15-10:30 YIA-6 | Longitudinal hemodynamic assessment of fetuses with TGA to predict the perinatal course – The pilot study <i>Grzyb A., Kolesnik A., Duliban J., Kowalczyk-Domagala M., Zubrzycka M., Brzezinska-Rajszys G., Bokiniec R., Dangel J.</i> |
| Fr 09:00-10:30 Kokkali Hall | Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Endocarditis <i>Chairs: Regina Bokenkamp, Walter Knirsch</i> |
| 09:00-09:20 | Epidemiology of endocarditis current era <i>Matthias Sigler</i> |
| 09:20-09:40 | What every pediatric cardiologist should know about endocarditis <i>Sylvie Di Filippo</i> |
| 09:40-10:00 | Endocarditis and the Melody Valve <i>Daniel Tanase</i> |
| 10:00-10:20 | Role of anti-platelet and anti-coagulation therapy in IE prevention: state of the art <i>Ruth Heying</i> |
| Fr 09:00-10:30 Skalkotas Hall | Congenital Heart Surgery Working Group Multi-Disciplinary Symposium: Cardiopulmonary mechanical support in Pediatric Ages – Part A: Pediatric Cardiac Assistance – up to date <i>Chairs: José Fragata, Eduardo da Cruz</i> |
| 09:00-09:15 | Emergency mechanical support – ICU and OR rescuing <i>George Sarris</i> |
| 09:15-09:30 | Pulsatile versus Continuous Flow Devices – How do I make my choices <i>Asif Hasan</i> |
| 09:30-09:45 | From bridging to destination therapies – the future of cardiac mechanical support for children <i>René Prêtre</i> |
| 09:45-10:00 | Managing difficult scenarios during cardiac assistance – coagulopathy, ventricular distension and the over circulation <i>To be advised</i> |
| | Part B: Pediatric Cardiac Assistance – Difficult cases... |
| | Commenting Panel: Hitendu Dave, Fatima Pereira, Mauro Lorito, Joan Sanchez De Toledo, Maura O'Callaghan |
| 10:00-10:15 | The Fontan Patient needing mechanical cardiac assistance <i>Thierry Carrel</i> |
| 10:15-10:30 | Typical case of bridging to transplantation: from ECMO to Pulsatile to Transplantation – Emphasis on decision steps <i>Conceição Trigo</i> |
| Fr 09:00-10:30 MC3 Hall | Abstract Session: Intervention <i>Chairs: Eleftherios Sideris, Alan Magee</i> |
| 09:00-09:15 O9-1 | Implantation of the transcatheter heart valve for pulmonary position in native large right ventricular outflow tract with severe pulmonary regurgitation <i>Guzeltas A., Tanidir I.C., Sahin M., Gokalp S., Kasar T., Topkarci M.A.</i> |

- 09:15-09:30
09-2 Incidence of arterial hypertension long-term after stenting for native and recurrent coarctation of the aorta
Hosny Fayed M., Tanase D., Georgiev S., Genz T., Hager A., Ewert P., Abdellatef A., Ahmed A., Bambul Heck P., Eicken A.
- 09:30-09:45
09-3 Efficacy and safety of catheter closure of atrial septal defects using the Amplatzer versus the Cocoon septal occluder. A Multicenter Randomized Study
Thanopoulos B.D., Dardas P., Ninios V., Giannakoulas G., Deleanou D., Lancovici S.
- 09:45-10:00
09-4 Interventional closure of Sinus Venosus ASD
Velasco Forte M.N., Riahi M., Byrne N., Hermuzi A., Jones M., Baruteau A.E., Valverde I., Qureshi S., Rosenthal E.
- 10:00-10:15
09-5 The impact of improved percutaneous pulmonary valve design on patient characteristics: Smaller, younger and more complex
Lehner A., Flaig M., Fernandez Rodriguez S., Ulrich S., Kanaan M., Dalla-Pozza R., Haas N.A.
- 10:15-10:30
09-7 Hybrid Procedure of Right Ventricle Outflow Tract Stenting in Small Infants with Pulmonary Atresia and Ventricular Septal Defect: Early and Mid-term Results from a Single Center
Bondanza S., Calevo M.G., Derchi M.E., Santoro F., Marasini M.
- Fr 10:30-11:30** **Poster Session, Industry Exhibition & Coffee break**
- Fr 09:00-10:30**
MC2 Hall **Joint Prevention Working Group and Adult Congenital Heart Disease Working Group Symposium: Adults with congenital heart disease: comorbidities and the role of physical activity and exercise in their prevention**
Chairs: Renate Oberhoffer, Massimo Chessa
- 09:00-09:30 Cardiac and Noncardiac Comorbidities in ACHD
Harald Kaemmerer
- 09:30-10:00 Cardio-pulmonary exercise testing and prescription for rehabilitation and prevention in ACHD
Harald Gabriel
- 10:00-10:30 Physical activity in the treatment of congenital heart disorders complicated by heart failure and/or pulmonary arterial hypertension
Pedro Trigo Trindade
- Fr 09:00-10:30**
MC3.2 Hall **Joint AEPC & CPCA Session: Marfan Syndrome**
Chairs: Anne Fournier, Sabine Klaassen
- 09:00-09:20 Genetics
Christiane Pees
- 09:20-09:40 Imaging
François-Pierre Mongeon
- 09:40-10:00 Follow-up and treatment
Tim Bradley
- 10:00-10:20 Aortic Root surgery in Marfan Syndrome
Mark Hazekamp
- Fr 09:00-10:30**
Banquet Hall **Fetal Cardiology Working Group Symposium: Prenatal functional cardiovascular abnormalities**
Chairs: Annika Ohman, Sally Clur
- 09:00-09:20 Fetal hemodynamics and cardiovascular changes in various functional problems: IUGR, anemia
Juha Rasanen
- 09:20-09:40 Fetal functional changes which mimicked structural defect
Adam Kolesnik
- 09:40-10:00 Cardiovascular changes in TTTS
Ulrike Herberg
- 10:00-10:20 Treatment options of fetal functional cardiovascular changes and role of cardio-obstetric co-operation
Marzena Debska
- Fr 11:30-12:30**
Trianti Hall **Interventional Cardiology Working Group Symposium: Difficult and unusual access for interventions**
Chairs: Daniel De Wolf, GianFranco Butera
- 11:30-11:45 Avoiding the femoral artery – Other arterial approaches
Ina Michel-Behnke
- 11:50-12:00 Avoiding the femoral vein – Other venous approaches
Grežina Brežezinska
- 12:00-12:15 Transhepatic: when, how
GianFranco Butera
- 12:15-12:30 Hybrid: when, how
Derize Boshoff

- Fr 11:30-13:00
Kokkali Hall**
- Joint Pulmonary Hypertension and Heart Failure Working Group & Cardiac Imaging Working Group Symposium: Non-Invasive Assessment of Flow**
Chairs: Philipp Beerbaum, Martin Koestenberger
- 11:30-11:50 RV speckle tracking and PA flow in pulmonary arterial hypertension
Hashim Abdul-Khaliq
- 11:50-12:10 Echocardiographical assessment of semilunar valve disease
Massimiliano Cantinotti
- 12:10-12:30 Function and flow in single ventricles
Hannah Bellsham-Revell
- 12:30-12:50 CMR flow imaging – Assessment of haemodynamic indices in PAH
Inga Voges
- Fr 11:30-13:00
Skalkotas Hall**
- Joint AEPC, EACTS & ECHSA Session: Pediatric Heart Transplantation – State of Art**
Chairs: José Fragata, Mark Hazekamp, Georg Hansmann
- 11:30-11:45 Technical Aspects of Heart Transplantation in pediatric ages – From harvesting to surgical implantation
Lorenzo Galletti
- 11:45-12:00 Candidates for Heart Transplantation – Selection, management of the waiting list and the window for transplantation
Rainer Kozlik-Feldmann
- 12:00-12:15 Managing immediate peri-operative complications – From graft failure to pulmonary hypertension
Eduardo da Cruz
- 12:15-12:30 Immunosuppression, infection and rejection triangle – Impact on late outcomes
Dimpna C. Albert
- 12:30-12:45 GUCH Population and transplantation – Are Fontans different?
Mauro Lorito
- 12:45-13:00 Running the Transplant Clinics – From management to patient caring
Amanda Hawkyard
- Fr 11:30-13:00
MC3 Hall**
- Abstract Session: Novel Approaches - Long Term Results**
Chairs: Toshio Nakanishi, Sofia Loukopoulou
- 11:30-11:45 O10-1 A Novel Non-invasive Quantification of Myocardial Work of the Left Ventricle in Patients after Repairing Tetralogy of Fallot
Yasukochi S., Saikawa Y., Takigiku K., Takei K.,
- 11:45-12:00 O10-2 Daily heart rate dynamics reflects global Fontan pathophysiology
Suzuki D., Ohuchi H., Morimoto Y., Nigishi J., Sakaguchi H., Shiraishi I., Kurosaki K.
- 12:00-12:15 O10-3 Ambulatory Intravenous Inotropic Support and or Levosimendan in Failing Pediatric and Congenital Heart Disease: Safety, Survival, Improvement or Transplantation
Apostolopoulou S.C., Vagenakis G.A., Tsoutsinos A., Kakava F., Rammos S.
- 12:15-12:30 O10-4 Early cardiac evaluation in Duchenne or Becker muscular dystrophy using quantitative assessment of late gadolinium-enhanced magnetic resonance imaging
Takeeda A., Aikawa T., Oyama-Manabe N., Yamazawa H., Izumi G., Sasaki O., Abe J., Fujimoto T.
- 12:30-12:45 O10-5 Surgical Therapy of Obstructive Airway Disease in Patients with Intrinsic Tracheobronchial Malformations or Airway Stenosis Associated with Vascular Ring – Long Term Results
Loukanov T., Fonseca E., Springer W., Rauch H., Uhl S., Ziesenitz V., Gorenflo M.
- 12:45-13:00 O10-6 Neurodevelopment outcomes following fetal diagnosis of Ebstein Anomaly or Tricuspid Dysplasia
Marini D., Lim J.M., Saini B., Roy C., Mawad W., Ly L., Chau V., Grosse-Wortmann L., Yoo S.J., Jaeggi E., Macgowan C., Miller S., Seed M.
- Fr 11:30-13:00
MC3.2 Hall**
- Moderated Oral Poster Session: Surgery – ACHD – End Stage Heart and Lung Disease**
Chairs: Stelios Antoniadis, Christoph Menzel
- 11:30-11:37 MP3-1 Cardiomyopathy versus congenital heart diseases - 10 years in pediatric heart transplantation
Ablonczy L., Vilmányi Cs., Prodán Zs., Nagy Zs., Sápi E., Szatmári A.
- 11:37-11:45 MP3-2 Pulmonary Vasodilator Therapy in Borderline Pulmonary Arterial Hypertension due to Congenital Heart Disease: Treat and Repair or Repair and Treat?
Apostolopoulou S.C., Moutsou A., Tsoutsinos A., Vagenakis G.A., Kakava F., Kyriakoulis K., Rammos S.
- 11:45-11:52 MP3-3 Subclinical atherosclerosis in cyanotic congenital heart disease
Tarp J.B., Sørgaard M., Christoffersen C., Jensen A., Sillesen H., Erikson P., Celermajer D., Estensen M.E., Holstein-Rathlou N.H., Engstrøm T., Søndergaard L.
- 11:52-12:00 MP3-4 Incidence of late arterial hypertension after aortic coarctation repair: differences between surgical correction and stent implantation
Yamine M.L., Chinali M., Cafiero G., Giannico S., Giordano U.
- 12:00-12:07 MP3-5 Long-Term Transplant-Free Survival of Patients after Lateral Tunnel vs Extracardiac Fontan for Single Ventricle Lesions: Does type of Fontan procedure matter?
Kochilas L., Knight J., Suthar D., Oster M.

| | |
|---|---|
| 12:07-12:15 MP3-6 | Smaller regional brain volumes are correlated with adverse neurodevelopmental outcome at one year of age in complex congenital heart disease <i>Knirsch W., Meuwly E., Feldmann M., Von Rhein M., Dave H., Tuura R., Jakob A., Latal B.</i> |
| 12:15-12:22 MP3-7 | Aortic Valve Repair in Congenital Heart Surgery using CardioCel® patch material <i>Kretschmar J., Nordmeyer S., Murin P., Schulz A., Danne F., Nordmeyer J., Sumbadze D., Schmitt K.R.L., Miera O., Cho M.-Y., Sinzobahamvya N., Berger F., Sigler M., Ovroutski S., Photiadis J.</i> |
| 12:22-12:30 MP3-8 | What determines quality of life in pre-school aged children with single ventricle congenital heart disease – Surgery, Hemodynamics, Bayley Scales or Brain Volumes? <i>Knirsch W., Heye K.N., Tuura R., Beck I., Wetterling K., Schranz D., Hahn A., Hofmann K., Latal B., Landolt M., Reich B.</i> |
| 12:30-12:37 MP3-9 | Telemetrically adjustable pulmonary artery banding with the FloWatch device: the Greek experience <i>Kalavrouziotis G., Kallikourdis A., Giannakopoulou E., Andreou N., Eleftherakis N., Karanasios E., Konstantopoulou G., Kourtesis A., Paphitis C.</i> |
| 12:37-12:45 MP3-10 | Accuracy of Echocardiography in diagnosing Coronary Anatomy in Transposition of the Great Arteries – Helping or confusing the surgeon? <i>Amini K., Christmann M., Wipf A., Weber R., Balmer C., Quandt D., Kretschmar O., Hübler M., Knirsch W.</i> |
| 12:45-12:52 MP3-11 | Arterial Switch Operation for Transposition of the Great Arteries with Intact Ventricular Septum in Infants Older than 21 days <i>Yildiz O., Ozturk E., Onan S., Tanidir C., Ergul Y., Güzeltan A., Haydin S.</i> |
| 12:52-13:00 MP3-12 | The “Heart-and-Brain Interaction” in Hypoplastic Left Heart Syndrome – The Impact of Hemodynamics on Neurodevelopmental Outcome before Fontan Procedure <i>Knirsch W., Heye K.N., Tuura R., Beck I., Dave H., Wetterling K., Akintürk H., Schranz D., Hahn A., Jux C., Kretschmar O., Latal B., Reich B.</i> |
| Fr 11:30-13:00 Banquet Hall | Joint Fetal Cardiology Working Group & Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Arrhythmias pre and postnatal: What can we learn from each other? <i>Chairs: Eva Grohman, Juha-Matti Happonen</i> |
| 11:30-11:40 | LQTS – Intrauterine diagnostics, fetal prognosis and intrauterine therapy <i>Sally Clur</i> |
| 11:40-11:50 | LQTS – Postnatal strategies <i>Eszter Szepesvary</i> |
| 11:50-12:00 | Discussion |
| 12:00-12:10 | Diagnostic and therapeutic options in fetal SVT <i>Joanna Dangel</i> |
| 12:10-12:20 | Postnatal managing of SVT <i>Thomas Kriebel</i> |
| 12:20-12:30 | Discussion |
| 12:30-12:40 | Prevention and Treatment of cardiac neonatal lupus <i>Edgar Jaeggi</i> |
| 12:40-12:50 | Postnatal managing of congenital AV block <i>Roman Gebauer</i> |
| 12:50-13:00 | Discussion |
| Fr 12:30-13:00 Trianti Hall | Hausdorf Lecture |
| 12:30-12:50 | Training in paediatric interventional cardiology in the era of TAVI, PVL and mitralclip <i>Neil Wilson</i> |
| Fr 13:00-14:30 | Lunch Break |
| Fr 13:00-14:00 MC3.2 Hall | Task Force Business Meeting |
| Fr 13:00-14:30 Banquet Hall | Lunch Symposium 2 (sponsored session) |
| Fr 13:30-14:30 Skalkotas Hall | Junior Members Session |
| Fr 13:30-14:30 Conference room | Lunch Workshop 4 (sponsored session) |
| Fr 13:30-14:30 MC2 Hall | Lunch Workshop 1 (sponsored session) |

- Fr 14:30-16:00**
Trianti Hall
- Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: My Nightmare EP case**
Chairs: Nico Blom, Laszlo Kornyei
- 14:30-14:40 My Nightmare EP case on the ICU
Maria Miszczak-Knecht
- 14:40-14:50 My Nightmare EP case in the EP lab treating SVT
Tevfik Karagöz
- 14:50-15:00 My Nightmare EP Case in the EP lab treating VT
Gunter Kerst
- 15:00-15:10 My Nightmare EP case performing device implantation
Massimo Stefano Silvetti
- 15:10-15:20 My Nightmare EP case performing device explantation
Eric Rosenthal
- 15:20-15:30 My Nightmare EP case treating fetal tachycardia
Håkan Eliasson
- 15:30-15:40 My Nightmare EP case treating neonatal tachycardia
Tomasz Ksiazczyk
- 15:40-15:50 My Nightmare EP case treating a patient with channelopathy
Maria B. Gonzalez y Gonzalez
- 15:50-16:00 My Nightmare EP case as fellow
Thomas Mitschke
- Fr 14:30-16:00**
Kokkali Hall
- Cardiovascular Morphology Working Group Symposium: Anatomical Demonstration - Transposition of the great arteries**
Chairs: Adriana Gittenberger-de Groot, Lucile Houyel
- 14:30-15:15 Anatomical Demonstration
Adam Kolesnik
- 15:15-16:00 Anatomical Demonstration
Monique Jongbloed
- Fr 14:30-16:00**
Skalkotas Hall
- Joint Interventional Cardiology Working Group & Congenital Heart Surgery Working Group Symposium: Controversies / debates**
Chairs: John Thomson, Roberto di Donato
- 14:30-14:50 Neonatal aortic valvoplasty is better treated surgically (For)
Boulos Asfour
- 14:50-15:10 Neonatal aortic valvoplasty is better treated surgically (Against)
Neil Wilson
- 15:10-15:30 The hybrid approach is a better option than initial Norwood palliation for the infant with HLH weighing less than 2.5 kg (For)
Shakeel Qureshi
- 15:30-15:50 The hybrid approach is a better option than initial Norwood palliation for the infant with HLH weighing less than 2.5 kg (Against)
Victor Tsang
- Fr 14:30-16:00**
MC3 Hall
- Moderated Oral Poster Session: Imaging 2**
Chairs: Gerald Greil, Inga Voges
- 14:30-14:37
MP4-1 Profile of resistance to IVIG treatment in patients with Kawasaki disease and concomitant infection
Poupart S., Dionne A., Le C.K., Meloche-Dumas L., Turgeon J., Autmizguine J., Dahdah N.
- 14:37-14:45
MP4-2 Normal values for left and right ventricular speckle-tracking systolic strain in healthy Italian children
Cantinotti M., Franchi E., Assanta N., Viacava C., Koestenberger M., Santoro G.
- 14:45-14:52
MP4-4 Fontan-associated liver disease in patients after Fontan palliation
Schleiger A., Salzmann M., Kramer P., Schmitt K.B., Miera O., Bassir C., Müller H.P., Berger F., Ovroutski S.
- 14:52-15:00
MP4-5 Atrial volume and function in univentricular patients after Fontan palliation
Burkhardt B.E.U., Michael J.T., Tran A., Tandon A., Hussain T.
- 15:00-15:07
MP4-6 4D flow magnetic resonance postoperative pulmonary stenosis assessment in patients with transposition of the great arteries repaired by arterial switch
Belhadjer Z., Soulat G., Azarine A., Legendre A., Ladouceur M., Iserin L., Bonnet D., Mousseaux E.
- 15:07-15:15
MP4-7 Long-term follow-up of congenital aortic valvular stenosis by echocardiography
Eroglu A.G., Atik S.U., Cinar B., Bakar M.T., Saltik I.L.
- 15:15-15:22
MP4-8 Cardiac Rhabdomyomas, Association With Tuberous Sclerosis Complex and Everolimus Treatment: Single Center Experience
Aypar E., Kurucu N., Varan A., Aydın G.B., Yalçın B., Konukan B., Anlar B., Ertugrul ., Aykan H.H., Karagöz T., Alehan D., Kutluk T., Akyüz C.

- 15:22-15:30
MP4-9 The Use of Speckle Tracking Echocardiography to Assess Myocardial Performance in Monochorionic Diamniotic Twins with and without Twin to Twin Transfusion Syndrome
Breatnach C.R., Bussman N., Vincent D.F., James A.T., Lynch A., Malone F., McCallion N., Franklin O., El-Khuffash A.
- 15:30-15:37
MP4-10 Aortic angle predicts neo-aortic root dilatation and regurgitation following arterial switch operation
Martins D., Legendre A., Boddaert N., Raisky O., Bonnet D., Raimondi F.
- 15:37-15:45
MP4-11 The use of 3D Printing in the Evaluation of Complex Congenital Heart Disease (CHD): Registry data from the European Congenital Heart Surgeons Association (ECHSA)
Protopapas E., Hakim N., Zografos P., Vazaios C., Bilalis L., Zavaropoulos P., Alexopoulos C., Matej N., Polimenakos A., Sarris G.
- 15:45-15:52
MP4-12 Echocardiographic predictors of unfavourable outcome in children with hypertrophic cardiomyopathy
Ziolkowska L., Boruc A., Kowalczyk-Domagala M., Turska-Kmiec A., Paszkowska A., Brzezinska-Rajszys G.

**Fr 14:30-16:00
MC2 Hall**

Abstract Session: Adult Congenital Heart Disease

Chairs: Andreas Chatzis, Michael Gkatzoulis

- 14:30-14:45
O12-1 Long-term results after percutaneous pulmonary valve implantation (PPVI) – Single centre experience
Eicken A., Tanase D., Georgiev S., Hager A., Meierhofer C., Ewert P.
- 14:45-15:00
O12-2 Are comorbidities an issue in adults with congenital heart disease? An analysis of the German National Register for Congenital Heart Defects
Tutarel O., Helm P., Diller G.P., Ewert P., Bauer U.
- 15:00-15:15
O12-3 Pulmonary atresia and intact ventricular septum (PA-IVS) – A population based follow-up in Sweden between 1980 and 2016
Ekman-Joelsson B.-M., Söderberg B., Hanséus K.
- 15:15-15:30
O12-4 Fontan operation: comparison of intra-atrial lateral tunnel and extra-cardiac conduit
van den Bosch E., Bossers S.S.M., Bogers A.J.J.C., Robbers-Visser D, van Dijk A.P.J., Roos- Hesselink J.W., Breur J.M.P.J, Haas F., Kapusta L., Helbing W.A.
- 15:30-15:45
O12-5 Inspiratory Muscle Training did not improve Physical Capacity in adult Patients with Fontan Circulation
Fritz C., Müller J., Oberhoffer R., Ewert P., Hager A.
- 15:45-16:00
O12-6 Predicting heart transplantation outcome in the failing Fontan patient: A challenging problem
Polyviou S., O’Sullivan J., Hasan A., Coats L.

**Fr 14:30-16:00
MC3.2 Hall**

Abstract Session: Prevention & Psychosocial

Chairs: Andreas Petropoulos, Vesna Herceg-Cavrak

- 14:30-14:45
O11-1 From neonates to adults in Marfan syndrome – Diagnosis, progress and transition to adult care
Stark V.C., Olfe J., Doering K., Kozlik-Feldmann R., Mueller G.C., Seggewies F., von Kodolitsch Y., Mir T.S.
- 14:45-15:00
O11-2 Functional Outcomes in children with Transposition of the Great Arteries after Arterial Switch Operation
Häcker A.-L., Reiner B., Hager A., Oberhoffer R., Ewert P., Müller J.
- 15:00-15:15
O11-3 Challenges of clinic surveillance following coarctation of the aorta repair
Dumitrascu-Biris I., Theocharis P., Prabhu N., Charakida M., Simpson J.M.
- 15:15-15:30
O11-4 Transgenerational effects of maternal obesity and gestational diabetes on child body composition and left ventricle mass – RADIEL study 6 years follow-up
Litwin L., Sundholm J.K.M., Rönö K., Koivusalo S.B., Eriksson J.G., Sarkola T.
- 15:30-15:45
O11-5 CHIP-Family to improve psychosocial wellbeing of young children with congenital heart disease and their families
van der Mheen M., McCusker C.G., van Beynum I.M., Dulfer K., van Galen E., Bogers A.J.J.C., Hillegers M.H.J., Helbing W.A., Utens E.M.W.J.
- 15:45-16:00
O11-6 Economic Evaluation of Outreach Clinics in Pediatric Cardiology in the Province of Québec
Fournier A., Ndao E.M., Borgès Da Silva R.

**Fr 14:30-16:00
Banquet Hall**

Abstract Session: Fetal

Chairs: Aggeliki Karatza, Olli Pitkänen-Argillander

- 14:30-14:45
O13-1 Changes in right ventricular function and growth after in-utero pulmonary valvuloplasty in fetuses with pulmonary atresia with intact septum or critical pulmonary stenosis
Tulzer A., Arzt W., Gitter R., Prandstetter C., Grohmann E., Mair R., Tulzer G.
- 14:45-15:00
O13-2 Semilunar valve growth in fetal transposition of the great arteries: Semilunar valve size is predictive of postoperative aortic root dilatation
Clur S.A., van der Palen R.L.F., van der Zee C.W., Vink A.S., Knobbe I., du Marchie Sarvaas G.J., Jurgens S.J., Bax C.J., Pajkt E., Blom N.A., Haak M., Bilardo C.M.
- 15:00-15:15
O13-3 Antenatal diagnosis of Double Aortic arch: Associated chromosomal and extra cardiac abnormalities, differential growth of arches during gestation and post-natal outcome
Bartsota M., Jowett V., Carvalho J.S.

- 15:15-15:30
O13-4
15:30-15:45
O13-5
- Home Fetal Heart Rate Monitoring for Surveillance of Fetal Arrhythmias: A Cohort Analysis
Freire G.A., Hanson J., Morelli D., Wilhm M., Amankwah E., Goldenberg N.
Short- and long-term outcomes of fetal balloon aortic valvuloplasty – Single-center experience
Grzyb A., Kolesnik A., Kowalczyk-Domagala M., Zubrzycka M., Brzezinska-Rajszyz G., Kansy A., Maruszewski B., Debska M., Dangel J.
- 15:45-16:00
O13-6
- Outcome with Routine vs Random Transplacental Anti-inflammatory Treatment for Anti-Ro Antibody-Mediated Fetal Heart Disease
Mawad W., Hornberger L.K., Diab K., Cuneo B., Moon-Grady A, Silverman E., Jaeggi E.
- Fr 16:00-16:30**
- Poster Session, Industry Exhibition & Coffee Break**
- Fr 16:30-18:00**
Trianti Hall
- Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Pharmacological therapy in different situations with PACES**
Chairs: Kathryn Collins, Thomas Kriebel
- 16:30-16:50
Current strategies to treat SVT
Nico Blom
- 16:50-17:10
Current strategies to treat channelopathies
Kathryn Collins
- 17:10-17:30
Current strategies to treat postoperative JET
Massimo Stefano Silveti
- 17:30-17:50
Current strategies to treat the pregnant GUCH patient
Ioannis Papagiannis
- Fr 16:30-18:00**
Kokkali Hall
- Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Myocarditis**
Chairs: Sabine Klaassen, Beatrijs Bartelds
- 16:30-16:50
Overview of German registry
Franziska Degener
- 16:50-17:10
Cardiac support in myocarditis: VAD or ECLS?
Eduardo da Cruz
- 17:10-17:30
Diagnostic and treatment strategies; immunosuppressive therapy pro/con
Regina Bökenkamp
- 17:30-17:50
Outcome in pediatric myocarditis
Michiel Dalinghaus
- Fr 16:30-18:00**
Skalkotas Hall
- Difficult Adult Congenital Heart Disease Cases: Ask the Expert**
Panel: Andreas Eicken, George Sarris, Joerg Stein, Angelo Micheletti
- 16:30-17:00
A case of Coronary anomaly: from Imaging to treatment
Gerald Greil
- 17:00-17:30
A case of Heart Failure in tetralogy of Fallot
Damien Cullington
- 17:30-18:00
A case of Infective Endocarditis in Pulmonary Bioprosthesis
Magalie Ladouceur
- Fr 16:30-18:00**
MC3 Hall
- Cardiovascular Morphology Working Group Symposium: Anatomical Demonstration - Abnormal ventriculo-arterial connections**
Chairs: Adriana Gittenberger-de Groot, Adam Kolesnik
- 16:30-17:15
Anatomical Demonstration
Lucile Houyel
- 17:15-18:00
Anatomical Demonstration
Annalisa Angelini
- Fr 16:30-18:00**
MC2 Hall
- Joint Pulmonary Hypertension and Heart Failure Working Group & Adult Congenital Heart Disease Working Group Symposium: PHVD and Heart Failure in Single Ventricle Physiology (Fontan)**
Chairs: Massimo Chessa, Georg Hansmann
- 16:30-16:50
Key Issues to Consider Pre- and Post-Fontan Indications and Efficacy for Vasodilators in Fontan patients
Marc Gewillig
- 16:50-17:10
Indications and Efficacy for Vasodilators in Fontan patients (Pro)
Gabriella Agnoletti
- 17:10-17:30
Indications and Efficacy for Vasodilators in Fontan patients (Con)
Alexander Van De Bruaene
- 17:30-17:50
Interventional Approaches to improve the Fontan Circulation in Adolescents and Adult patients
Peter Zartner

| | |
|--|---|
| Fr 16:30-18:00 MC3.2 Hall | Special Program for Nurses: End of Life Care in patients with CHD - Ethics and cultural aspects <i>Chairs:</i> Gaby Stoffel, Malin Berghammer |
| 16:30-16:50 | Ethics – Patients with congenital heart disease <i>Maura O’Callaghan</i> |
| 16:50-17:10 | End of Life – Patients with congenital heart disease <i>Kostas Dimopoulos</i> |
| 17:10-17:30 | Cultural differences and end of life care <i>Bert Vanderhaegen</i> |
| 17:30-17:50 | Improving end-of-life care through advance care planning <i>Adrienne Kovacs</i> |

| | |
|--|---|
| Fr 16:30-18:00 Banquet Hall | Fetal Cardiology Working Group Symposium: Puzzle the Experts <i>Chairs:</i> Ulrike Herberg, Vlasta Fesslova |
| 16:30-18:00 | Cases will be chosen from those sent from different countries |

Saturday 12. May 2018

| | |
|--|--|
| Sa 09:00-10:30 Skalkotas Hall | Preventive Cardiology Working Group Symposium: Training children’s Hearts - Cardiac adaptations to exercise and training in childhood athletes and children with heart disease <i>Chairs:</i> Doris Ehringer-Schetitska, Renate Oberhoffer |
| 09:00-09:30 | Exercise performance and training adaption of young athletes <i>Jan Müller</i> |
| 09:30-10:00 | Paediatric cardiac exercise physiology in health and disease - Insights from exercise stress imaging in childhood athletes and children with congenital heart disease <i>Guido Pieles</i> |
| 10:00-10:30 | Preparticipation Screening in Young Athlets - AEPC Guidelines <i>Peter Fritsch</i> |

| | |
|--|--|
| Sa 09:00-10:30 MC3 Hall | Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Novel tools in science <i>Chairs:</i> Sabine Klaassen, Patrice Bouvagnet |
| 09:00-09:30 | iPSC in channelopathies and cardiomyopathy <i>Sabine Klaassen</i> |
| 09:30-10:00 | Next generation sequencing <i>Patrice Bouvagnet</i> |
| 10:40-10:30 | Sequencing the genome – Where are the ethical limits with BIG DATA? <i>Marc-Phillip Hitz</i> |

| | |
|--|--|
| Sa 09:00-10:30 MC2 Hall | Hellenic Association for Paediatric Cardiology (HAPC) Symposium: Paediatric Cardiology and Cardiac Surgery in Greece: current status <i>Chairs:</i> Georgios Papadopoulos, Andreas Giannopoulos <i>Panelists:</i> Antigoni-Eleni Tsatsopoulou, Areti Komnou, Stelios Antoniadis |
| 09:00-09:20 | Prenatal diagnosis for congenital heart disease <i>Maria Kiaffas</i> |
| 09:20-09:40 | Kawasaki disease in Greece <i>Aikaterini Giannakopoulou</i> |
| 09:40-10:00 | Myocarditis in children: an up-to-date <i>Antonios Vlahos</i> |
| 10:00-10:15 | Inherited cardiomyopathies in children: The Greek experience <i>Aris Anastasakis</i> |
| 10:15-10:30 | Paediatric cardiac surgery in Greece before and during the financial crisis <i>Georgios Kalavrouziotis</i> |

| | |
|--|---|
| Sa 09:00-10:30 MC3.2 Hall | Joint Fetal Cardiology & Cardiovascular Morphology Working Group Symposium: Exhausting the 3-vessel view. 3-vessel view in different conotruncal anomalies: Morphology <i>Chairs:</i> Annalisa Angelini, Olli Pitkänen- Argillander |
| 09:00-09:20 | How to look at the mediastinum to omit mistakes - Morphology <i>Adam Kolesnik</i> |
| 09:20-09:40 | 3vsl view in conotruncal anomalies <i>Annika Ohman</i> |
| 09:40-10:00 | 3vsl view in vascular rings and venous anomalies <i>Agata Wloch</i> |
| 10:00-10:20 | 3D imaging and printing in assessment of ventricular outflow tracts and arterial trunks <i>Shi-Joon Yoo</i> |

- Sa 09:00-10:30
MC3.4 Hall** **Joint Neurodevelopment and Psycho-Social Care Working Group & Nursing and Allied Health Professionals Special Program for Nurses Counselling Session: Prenatal care, pregnancy and genetics**
Chairs: Frank Casey, Ewa-Lena Bratt
- 09:00-09:20 Pregnancy Counselling of Patients and Families with Congenital Heart Disease
Lorna Swan
- 09:20-09:40 Prenatal Counselling of Fetal Congenital Heart Disease
Katya De Groot
- 09:40-10:00 Genetic Counselling
Ella Field
- 10:00-10:20 Indications and contra-indications for genetic counseling and testing in cardiology
Julie De Backer
- Sa 10:30-11:00** **Coffee Break**
- Sa 11:00-12:30
Skalkotas Hall** **Joint Pulmonary Hypertension and Heart Failure Working Group, Paediatric Cardiovascular Intensive Care Working Group, Congenital Heart Surgery Working Group & Interventional Cardiology Working Group Symposium: Innovative Interventional and Surgical Heart Failure Therapies**
Chairs: John Thomson, José Fragata, Juan Sanchez de Toledo
- 11:00-11:20 Innovations in ECLS for patients with acute and chronic cardiopulmonary failure (PAH, LV failure, ARDS)
Tilman Humpl
- 11:20-11:40 Assisting Patients with Univentricular Physiology
Ilka Mattila
- 11:40-12:00 Monitoring patients on ECLS
Ranny Goldwasser
- 12:00-12:20 Transcatheter Rescue Procedures in Perioperative Heart Failure
James Bentham
- Sa 11:00-12:30
Kokkali Hall** **Abstract Session: Surgical Challenges**
Chairs: Stella Brili, Tjark Ebels
- 11:00-11:15
O14-1 Anomalous Aortic Origin of a Coronary Artery: Outcomes of Surgical and Non-surgical Treatment in a Single-Center
Bibeovski S., Ruzmetov M., Chan K.-C., Latson L., Perryman R., Scholl F.G.
- 11:15-11:30
O14-2 Comparison of right coronary artery with left coronary artery arising from opposite sinus: clinical presentation and risk of sudden death
Courand P.Y., Bozio A., Ninet J., Bakloul M., Walton C., Perouse de Montclos T., Galoin-Bertail C., Bousset L., Metton O., Henaine R., Di Filippo S.
- 11:30-11:45
O14-3 Late coronary complications in patients with Bland-White-Garland syndrome (ALCAPA)
Lammers A.E., Stegger J., Kubitzka P., Tutarel O., Bauer U., Uebing A.
- 11:45-12:00
O14-4 Coronary artery complications following arterial switch operation: A Registry analysis of the German Competence Network Congenital Heart Defects
Lammers A.E., Orwat S., Stegger J., Lebherz C., Bauer U., Uebing A.
- 12:00-12:15
O14-5 Glenn procedure with additional flow enlarges pulmonary size without extra cardiac-stress
Sonota K., Hamamichi Y., Nukaga S., Komiya E., Ishii T., Kishiki K., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- 12:15-12:30
O14-6 Coarctation of the aorta repair in neonates under three months of age: mortality and risk factors for reintervention
Lehnert A., Villemain O., Gaudin R., Raisky O., Bonnet D.
- Sa 11:00-12:00
MC3 Hall** **Successes and failures in the cath lab**
Chairs: James Bentham, Shakeel Qureshi
- Sa 11:00-12:30
MC2 Hall** **Hellenic Association for Paediatric Cardiology (HAPC) Symposium: Care of GUCH in Greece**
Chairs: Antonios Kallikourdis, Vasileios Thanopoulos
Panelists: Christoforos Gavras, Pipina Bonou, Dimosthenis Avramidis
- 11:00-11:20 Registry for GUCH in Greece: an update
Georgios Giannakoulas
- 11:20-11:40 Pulmonary Arterial Hypertension in the setting of CHD
Sotiria Apostolopoulou
- 11:40-12:00 Electrophysiology studies and procedures in CHD
Ioannis Papagiannis
- 12:00-12:20 Catheter based interventional procedures
Aphrodite Tzifa

- 12:20-12:40 Cardiac surgery for GUCH in Greece
Demetrios Bobos
- Sa 11:00-12:30**
MC3.2 Hall **Clinical drug research in children with heart disease**
Chairs: Michal Odemarsky, Willem Helbing
- 11:00-11:10 Why do we need drug research in children?
Saskia de Wildt
- 11:10-11:20 What do patients want? Do I want my child to participate in drug studies?
Ann Keatley-Clarke
- 11:20-11:30 Drug research in children: regulatory requirements and practical needs – Are they compatible?
Christoph Male-Dressler
- 11:30-11:40 Few patients, few hard end-points: consequences for endpoints and study design
Damien Bonnet
- 11:40-11:50 Industry perspective: challenges in setting up a PIP on an innovative drug
Stefanie Breitenstein
- 11:50-12:00 Experiences with an academic trial (LENA)
Michiel Dalinghaus
- 12:00-12:10 The IMI initiative / Enpr-EMA / drug research networks: opportunities for pediatric cardiology
Mark Turner
- 12:10-12:30 Panel Discussion
- Sa 11:00-12:30**
MC3.4 Hall **Special Programme for Nurses: Rehabilitation for patients with congenital heart disease**
Chairs: Eva Goossens, Frank Casey
- 11:00-11:15 Family-oriented rehabilitation in Germany
Philipp Bludau
- 11:15-11:30 Exercise-based rehabilitation for adults with CHD
Roselien Buys
- 11:30-11:50 The potential role of exercise testing in motivating CHD patients and their parents
Kristof Vandekerckhove
- 11:50-12:15 Rehabilitation for children with CHD in Norway
Mona Syvertsen & Kari Rommen
- 12:15-12:30 Rehabilitation: Improving psychosocial outcomes through interdisciplinary care
Adrienne Kovacs
- Sa 12:30-13:45**
Skalkotas Hall **Keynote Lecture and Closing**
- 12:30-13:45 A surgical journey through the left heart: from preoperative echocardiography to HD surgical videos
Rudolf Poruban

Wednesday, May 9 to Saturday, May 12, 2018

Posters

Arrhythmia – Electrophysiology

- P-1 Arrhythmic faces and risk stratifications of hypertrophic cardiomyopathy in children; Single center experience from Turkey
Ergül Y., Özgür S., Şahin G.T., Kafalı H.C., Şengül F.S., Ayyıldız P., Akıncı O., Güneş M., Haydin S., Güzeltaş A.
- P-2 Alternative Route to Improve Success in Right Sided Supraventricular Tachycardias in Children: Transjugular Approach
Ergül Y., Özgür S., Şahin G.T., Kafalı H.C., Çelebi S.B., Bay B., Güzeltaş A.
- P-3 Ablations in the aortic cusp in children: a single center four years experience
Ergül Y., Özgür S., Şahin G.T., Kafalı H.C., Özcanoğlu D., Güzeltaş A.
- P-4 Cryoablation with an 8-mm Tip Catheter for Typical Atrioventricular Nodal Reentrant Tachycardia in Children: Single Center Seven Years' Experience
Ergül Y., Kafalı H.C., Özgür S., Şahin G.T., Özkilitçi E., Güzeltaş A.
- P-5 Electrophysiologic Characteristics and Ablation Results of Tachycardia Substrates Originating from the Coronary Sinus in Children
Ergül Y., Özgür S., Şahin G.T., Kafalı H.C., Güzeltaş A.
- P-6 Different Arrhythmic Faces of Catecholaminergic Polymorphic Ventricular Tachycardia during Epinephrine Challenge Test in a Six Years Old Child
Kafalı H.C., Öztürk E., Özgür S., Ergül Y.
- P-7 An Unusual Etiology for Acquired Long QT Syndrome
Kasar T., Ayyıldız P., Tuzun B., Ergül Y., Kıyan G.

- P-8 Benign early repolarization pattern: Is there any risk of sudden cardiac death?
Kayali S., Demir F.
- P-9 Mitral Valve Prolapse Masquerading as Atypical Cardiac Symptoms
Petropoulos A.C., Behbudov V., Khudiyeva A., Mustafayeva G., Isayev I.
- P-10 Postinterventional recurrent supraventricular tachycardia due to transient right bundle branch block after a successful high-frequency ablation of a midseptal accessory pathway in a patient with preexcitation syndrome
Postina P., Mitschke T., Follmann P., Lindinger A., Fritsche K., Kriebel T.
- P-11 A Young Patient with mid-septal accessory pathway accompanied by left ventricular dysfunction
Zakaraia I., Paech C., Gebauer R., Wagner R., Dähnert I.
- P-12 The outcome of cavotricuspid isthmus-dependent atrial flutter ablation in patients with adult congenital heart disease: A single centre experience.
Zaki A., Dua J.S., Jenkins P., Mahadevan V.S., Hoschitzky A., Shah A., Schneider H., Weatherby J., Kirkwood G.J., Muhyaldeen S.
- P-13 Outcome of radiofrequency catheter ablation of supraventricular arrhythmias in patients with adult congenital heart disease: single centre experience
Zaki A., Dua J.S., Jenkins P., Mahadevan V.S., Hoschitzky A., Shah A., Schneider H., Saraf K., Kirkwood G.J., Muhyaldeen S.
- P-14 Rhabdomyolysis and cardiac depolarization anomalies: TANGO2 or not?
Tovmassian A., Cano A., Koutbi L., Chabrol B., Ovaert C.
- P-15 Unexplained Syncope in Children
Polyakova E., Trofimova T., Shkolnikova M.
- P-16 Thoracoscopic Procedures in Pediatric Patients with Cardiac Arrhythmias
Termosesov S., Khamnagadaev I., Garipov R., Volkova Y., Grishin I., Romantsova Z., Khaspekov D., Shkolnikova M.
- P-17 Compound heterozygous or homozygous SCN5A mutation and atrial standstill in paediatric population: two cases report
Raimondo C., Fressart V., Denjoy I., Bonnet D., Maltret A.
- P-18 Predictive factors of cardiogenic shock in children less than one year of age with supraventricular tachycardia
Fournier E., Iriart X., Jalal Z., Thomas J., Mouton J.B., Sarton R., Thambo J.B., Séguéla P.E.
- P-19 Closed loop stimulation-guided atrial pacing in young patients with complex congenital heart defects: is it physiological? A case series
Pazzano V., Silvetti M.S., Battipaglia I., Di Mambro C., Saputo F.A., Tamburri I., Carotti A., Torcinaro S., Drago F.
- P-20 Use, effectiveness and safety of Ivabradine in paediatric patients with atrial tachycardia
Loevets T.S., Pervunina T.M., Butish L., Yakovleva E.V., Lebedev D.S., Vasichkina E.S.
- P-21 Integrated model for the risk assessment of the unfavourable course of binodal pathology in children
Vasichkina E.S., Pervunina T.M., Kruchina T.K., Loevets T.S., Egorov D.F., Lebedev D.S.
- P-22 Catheter Ablation for Supra-Ventricular Tachycardias in 15 Patients after Mustard or Senning Procedures
Taniguchi K., Toyohara K., Takeuchi D., Inai K., Sugiyama H., Shoda M.
- P-23 The diagnostic accuracy of transesophageal electrophysiology study in adolescents - 6 years follow-up
Litwin L., Galeczka M., Grochowina-Major A., Slezak W., Rojczyk D., Skiba-Zdrzalek A., Bialkowski J.

Basic Science – Genetics

- P-24 The contribution of the NGS technology to establish the diagnosis of Marfan or Marfan-like syndrome with congenital heart disease
Tsoutsou E., Kenteroglou O., Marias V., Willems P., Selenti N., Fryssira H.
- P-25 Early disease onset and high penetrance of severe cardiomyopathy in RBM20 p.P638L mutation carriers in toddler's age
Gaertner-Rommel A., Laser K.T., Marga E., Klauke B.U., Schulz U., Dubowy K.O., Kececioglu D., Gummert J., Milting H.
- P-26 Treatment options of resistant forms of Kawasaki disease, our experience
Djukic D., Stanimirovic B., Ljuboja O.
- P-27 Unexpected results of panel targeted next generation sequencing (NGS) in patients with cardiomyopathies
Meliota G., Lombardi M., Varvara D., Resta N., Tagliente M.R., Vairo U.
- P-28 First results from a prospective clinical trial measuring effects of hypothermia for organprotection during cardiac surgery – A new biomarker: Cold response protein RBM3 is upregulated after mild-to-moderate hypothermia during cardiopulmonary bypass
Rosenthal L.M., Tong G., Wowro S., Pfitzer C., Berger F., Schmitt K.R.
- P-30 Prevalence of Type D personality in obese adolescents and associated cardiovascular risk
Bruyndonckx L., Marchau F., Verhulst S., De Guchtenaere A., Vrints C., Denollet J.

- P-31 Assessment of aortic dilatation and dissection in children with Marfan syndrome
Wozniak-Mielczarek L., Sabiniewicz R., Drezek-Nojowicz M., Nowak R., Gilis-Malinowska N., Wierzba J.
- P-32 Comparison of cardiovascular system status between children and adults with Marfan syndrome
Wozniak-Mielczarek L., Sabiniewicz R., Drezek-Nojowicz M., Nowak R., Gilis-Malinowska N., Wierzba J.
- P-33 Investigation of the effect of aortic stiffening and stenosis on ventriculo-arterial interaction in a porcine model of Coarctation repair
Panzer J., De Wolf D., De Somer F., Roossens A., Segers P., Bové T.
- P-34 Decreased exercise tolerance in children after aortic coarctation repair: relationship with changes in cerebral and muscle oxygenation
Vandekerckhove K., Coomans I., Moerman A., Panzer J., De Groote K., De Wilde H., Bove T., François K., De Wolf D., Boone J.
- P-35 Using patient-derived induced pluripotent stem cells to model left ventricular outflow obstruction defects
Helle E., Ampuja M., Balboa D., Eurola S., Ojala T., Otonkoski T., Kivelä R.
- P-36 Fetal Echocardiography as a “genetic screening” tool?
Germanakis I., Burianova Bagaki A., Mataliotakis I., Makrigianakis A.
- P-37 First Report of Autosomal Recessive Catecholaminergic Polymorphic Ventricular Tachycardia (CPVT1), Caused by Homozygous Mutation in the RYR2 Gene
Ta-Shma A., Shauer A., Perles Z., Elitzur Y., Ta-Shma A., Elpeleg O., Luria D.
- P-38 CAPZB – A novel player in heart development
Radloff A., Breckpot J., Hoff K., Kramer H.-H., Panakova D., Mercks A.M., Devriendt K., Gewillig M., Sealy I., Collins J., Busch-Nentwich E., Kahlert A.-K., Hitz M.-P.
- P-39 Inflammation, growth, fibrosis and apoptosis in right atrial myocardium of infants with atrial septal defect
Rouatbi H., Gerard A., Heying R., Vazquez-Jimenez J., Seghay M-C.
- P-40 The yield of genetic testing in paediatric hypertrophic cardiomyopathy
Field E., Norrish G., Cervi E., Lord E., Walsh H., Fell H., Jager J., Cardenas I., Cicerchia M., Ochoa J.P., Salazar J., Kaski J.P.
- P-41 Clinical presentation and outcomes in paediatric hypertrophic cardiomyopathy patients with compound sarcomeric gene mutations or additional genetic variants
Field E., Norrish G., Cervi E., Lord E., Walsh H., Fell H., Jager J., Cardenas I., Cicerchia M., Ochoa J.P., Salazar J., Kaski J.P.
- P-42 Association of vasoactive peptides with the presence and severity of congenital heart disease in children
Papachristou P., Grigoriadou G., Papadopoulos G., Georgakopoulos D., Boutsikou M.
- P-43 Audit of a Structured Approach In Paediatric Patients with Dilated Cardiomyopathy
Sri A., Voges I., Prasad S., Daubeney P.
- P-44 Impaired mood reduces sympathetic overactivity indexed by electrodermal activity in hypertensive adolescents
Mestanik M., Jurko A., Jurko T., Mestanikova A., Micieta V., Tonhajzerova I.
- P-45 Atypical Cardiac Features in Patients with Noonan Syndrome
Calcagni G., Gagliostro G., Baban A., Albanese S., Trezzi M., Tarani L., Digilio M.C., Tartaglia M., Marino B., Versacci P.
- P-46 Insufficient Medical Primary Health Care of Adults with Congenital Heart Defects associated with Genetic Disorders
Neidenbach R., Diebold I., Pieper L., Oberhoffer R., Schelling J., Sanftenberg L., Nagdyman N, Klein H.-G., Seidel H., Ewert P., Kaemmerer H.
- P-47 The impact of myocardial fiber orientation on the left ventricle diastolic compliance: an in-silico study
Castaldi B., Angelini A., De Filippi E., Susin F., Cattapan I., Fedrigo M., Boso D., Peruzzo P., Comunale G., Milanese O.
- P-48 Aspirin resistance in a paediatric population with congenital heart diseases
Padrini M., Padrini R., Spiezia L., Castaldi B., Milanese O.
- P-49 Left Pulmonary Artery in 22q11 deletion syndrome: echocardiographic findings, role and expression of Tbx1 in human and knockout mice
Mastromoro G., Calcagni G., Versacci P., Chinali M., Lambiase C., Unolt M., Baban A., Anaclerio S., Bilio M., Digilio M.C., Marino B., Baldini A.
- P-50 Change of Voltage-gated Potassium Channel 1.7 and NADPH Oxidase 4 Expressions in Monocrotaline-induced Pulmonary Arterial Hypertension Rat Model
Hong Y.M., Kim K.C.
- P-51 Calculation of the Shunt Flow in Aorto-Pulmonary Collateral Artery model rat with Left Pulmonary Artery ligation under Hypoxia environment
Ito R., Urashima T., Itohisa M., Fujimoto Y., Fujiwara M., Ogawa K., Ida H.

End-stage Heart and Lung Disease

- P-52 Modern management of portopulmonary hypertension in children: experience of an expert center
Joye R., Wacker J., McLin V., Giostra E., Aggoun Y., Wildhaber B., Lador F., Beghetti M.
- P-53 Ukrainian Center for Pulmonary Arterial Hypertension in Children: Achievements and Problems
Khanenova V., Dovgaliuk A., Razinkina A., Kalashnikova R., Zhovnir V., Rudenko N., Yemets I.
- P-54 Prognostic factors in paediatric restrictive cardiomyopathy
Abakka S., Malekzadeh-Milani S., Raimondi F., Bonnet D., Khraiche D.

Fetal Cardiology

- P-55 Intrauterine diagnosis of coronary artery fistula: Case report
Demir F., Özbarlas N., Erdem S., Akcalı M., Göcen U., Salih O.K.
- P-56 Fetal Atrioventricular Block: Management and Outcome from A Single Institution
Duman D., Tunca Sahin G., Babaoglu K., Goynumer G., Beattie B., Conner C., Uzun O.
- P-57 Cardiac remodeling and function in aortic coarctation: from the fetus to the newborn
Soveral I., Walter C., Guirado L., García-Cañadilla P., Masoller N., Bennasar M., Sánchez de Toledo J., Martínez J.M., Bijens B., Gratacós E., Crispi F., Gómez O.
- P-58 Does timing of surgery predict long term respiratory outcomes in infants with Absent Pulmonary Valve Syndrome?
Torok K., Brettle E., Seale A., Miller P., Stickley J., Nagakumar P., Desai T.
- P-59 Initial experience of fetal MRI as adjunct to fetal echocardiography for cardiac tumours tissue characterisation
Yeong M., Caldas P., Andronikou S.
- P-60 Fetal Cardiac Interventions: 12-year experience and results in Argentina
Marantz P., Grinenco S., Aiello H., Rivarola M., Trentacoste L., Saenz Tejeira M., Meller C., Otaño L.
- P-61 Prenatal Detection and Modes of Presentation of Neonatal Congenital Heart Disease in Ireland: a 5-year progress review
Lynch A., Ng L., Lawler T., Gardiner F., Lavelle M., Franklin O.
- P-63 Parental Psychological Distress after Prenatal versus Postnatal Diagnosis of Congenital Heart Disease
Mellander M., Järholm S., Ekman-Joelsson B., Johannsmeyer A., Carlsson S.-Å., Mattsson L.-Å., Bratt E.L.
- P-64 How to counsel parents after prenatal diagnosis of congenital heart disease? A multi-disciplinary approach to develop a questionnaire
Kovacevic A., Simmelbauer A., Starystach S., Elsässer M., Sohn C., Müller A., Bär S., Gorenflo M.
- P-65 4D Fetal Echocardiography: STIC vs eSTIC
Germanakis I., Pepes S., Parthenakis F., Makrigianakis A.
- P-66 Fetal Echocardiography performance: Indication-based vs “routine” application
Germanakis I., Burianova Bagaki A., Gianias G., Rogdakis E., Makrigianakis A.
- P-67 Two faces of atrial flutter: double tachycardias in the fetus and neonates
Tunca Sahin G., Duman D., Babaoglu K., Goynumer G., Wong A., Beattie B., Conner C., Uzun O.
- P-68 Do prenatal intracardiac echogenic foci affect postnatal cardiac function?
Bader R.S.
- P-69 Prenatal diagnosis of vascular rings: single center experience
Pavlova A., Kurkevych A., Mykychak Y., Rudenko N., Raad T., Yemets R.
- P-70 Echocardiographic assessment of hemodynamics in fetus with transposition of the great arteries and intact ventricular septum: impact on immediate post natal desaturation
Charron M.A., Lachaud M., Peyre M., Mendez Santos A., Carmant L., Birca A., Wu R., Brassard M., Raboisson M.J.
- P-71 Aortic isthmic flow in fetuses with Ebstein’s anomaly and/or tricuspid valve dysplasia
Peyre M., Lachaud M., Mendez Santos A., Berger A., Brisebois S., Thomas Chabaneix J., Raboisson M.J.
- P-72 An increasing experience in the antenatal diagnosis of right aortic arch
Mantagou L., Forster J., Brown E.M., Barwick S.
- P-73 Abdominal right isomerism with normal intracardiac anatomy in the fetus
Jowett V., Bartsota M., Carvalho J.S.
- P-74 Prevalence of congenital heart disease in fetuses conceived after assisted reproductive technology. Observational study
Fesslova V., Giorgione V., Boschetto C., Brankovic J., Cavoretto P.
- P-75 Fetal ventricular arrhythmia: the role of superior vena cava-aorta Doppler approach
Mendez A., Mawad W., Peyre M., Lachaud M., Fournier A., Abadir S., Raboisson M.J.

- P-76 Fetal cardiac function in maternal diabetes: a speckle tracking echocardiography study
Miranda J.O., Cerqueira R.J., Ramaho C., Henriques-Coelho T., Areias J.C.
- P-77 A Single-Centre Experience with Antenatally-Diagnosed Atrioventricular Block
Chia W.L.S., Sundararaghavan S., Xu M, Ang W.L, Chen C.K, Tan T.H, Choo J.T.L
- P-78 When flecainide is not available... A single center experience in treating fetal supraventricular tachycardia (SVT)
Duliban J., Miszczak-Knecht M., Hamela-Olkowska A., Pręgowska K., Bieganowska K., Dangel J.
- P-79 The normal karyotype does not exclude genetic problems in fetuses with congenital heart defects
Szarla K., Duliban J., Grzyb A., Nowakowska B.A., Debska M., Wlasienko P., Koleśnik A., Dangel J.
- P-80 One gene and different heart defects – How deep should we look?
Wlasienko P., Gambin T., Nowakowska B.A., Dangel J.
- P-81 Perinatal care after fetal diagnosis of congenital heart defect – Single centre experience
Wójcik-Sęp A., Duliban J., Bokinić R., Czajkowski K., Dangel J.

Adult Congenital Heart Disease

- P-82 Fontan Circulation in Adult Patients with Congenital Heart Disease: Results from the CHALLENGE Registry
Apostolopoulou S.C., Ntiloudi D., Giannakoulas G., Vasiliadis K., Frogoudaki A., Ntellos C., Tzifa A., Brili S., Karvounis H., Tsioufis K., Rammos S. [on behalf of the CHALLENGE investigators]
- P-83 Late Sequels after Cavopulmonary Anastomosis in Complex Congenital Heart Disease: Thailand Experience
Noiming P., Tanpowpong P., Samankatiwat P., Limsuwan A.
- P-84 Duplication of Interventricular Septum and a Double Orifice Mitral Valve resulting in a three-ventricular chamber heart: A most rare anomaly
Ariyaratnam J.P., Dua J.S.
- P-85 Successful transfer to adult care: A nationwide study in patients with complex congenital heart lesions in Sweden
Skogby S., Moons P., Johansson B., Dellborg M., Christersson C., Nagy E., Winberg P., Thilen U., Hanseus K., Krzynska A., Fadl S., Fernlund E., Kazamia P., Rydberg A., Sunnegårdh J., Goossens E., Bratt E.-L.
- P-86 Long-term Result of Right Atrial Isolation for Atrial Fibrillation or Flutter in Adult Congenital Heart Disease
Chikada M., Miyairi T., Nishimaki H., Ohno M., Ono H., Chiba K., Ro D., Nagata T., Sakurai Y., Suzuki H., Kita S.
- P-87 Arrhythmias and heart failure in adults with isolated corrected Transposition of the Great Arteries
Walton C., Martin-Bonnet C., Bozio A., Chakoub S., Galoin Bertail C., Perouse de Montclos T., Bakloul M., Dourousset C., Leconte C., Di Filippo S.
- P-89 Factors influencing the participation of adolescents and young adults with congenital heart diseases in a transition education program: a multicenter observational study
Werner O., Amedro P., Guillaumont S., Vincenti M., De Lavilleon G., Gavotto A., Bredy C.
- P-90 Heart Rate Variability and Maximum Oxygen Uptake in adolescent and adult Patients with different Types of congenital Heart Disease
Fritz C., Hock J., Oberhoffer R., Ewert P., Hager A., Müller J.
- P-91 Age-related 10-year risk of lethal Cardiovascular Disease in Adult Patients with Congenital Heart Disease
Häcker A.-L., Müller J., Hager A., Ewert P., Oberhoffer R.
- P-92 Combined Use of Peak Oxygen Uptake and NT-ProBNP to Predict Survival in Adults Congenital Heart Disease
Müller J., Hock J., Fritz C., Häcker A.-L., Oberhoffer R., Ewert P., Hager A.
- P-93 Does congenital heart disease affect cognitive function? – A pilot study in adults with congenital heart disease
Remmele J., Pringsheim M., Nagdyman N., Tutarel O., Kaemmerer H., Oberhoffer R., Ewert P.
- P-94 Lack of Specific Disease Related Medical Health Care in Congenital Heart Disease: A Call for Reaction? The General Practitioners View
Neidenbach R., Pieper L., Sanftenberg L., Schelling J., Freilinger S., Schwarz M., Krauß A., Seidel L., Nebel K., Oberhoffer R., Nagdyman N., Ewert P., Kaemmerer H.
- P-95 Medical Rehabilitation in Adults with Congenital Heart Disease (ACHD)
Neidenbach R., Andric D., Einwang H.P., Kodolitsch Y., Bongarth C., Oberhoffer R., Hischke S., Hofbeck M., Ewert P., Kaemmerer H.
- P-96 Trends in the utilization of outcome measures for protein-losing enteropathy in contemporary Fontan studies: a systematic review
Udink ten Cate F.E.A., ten Dam K., Germund I., Hausteijn M., Duijnhouwer A.L., Khalil M., Nazzari R., Apitz C., Helbing W.A., Brockmeier K., Tanke R.B., Sreeram N. [for the Fontan Care Network]

- P-97 Liver stiffness as a useful tool in the longitudinal follow-up of patients with a Fontan circulation
Jalal Z., Iriart X., De Deledinghen V., Foucher J., Thomas J., Seguela P.E., Thambo J.B.
- P-98 The relationship of bicuspid aortic valve phenotype and pattern of aortopathy: a meta-analysis
Jashari H., Bejiqi R., Merovci B., Shala T., Mahmuti B., Henein M.Y.
- P-99 Positive trajectory of exercise capacity during childhood predicts better adult Fontan physiology
Ohuchi H., Negishi J., Iwasa T., Miike H., Fukuyama M., Kurosaki K., Ichikawa H.
- P-100 The adult congenital heart disease in Greece: Six years CHALLENGE registry
Giannakoulas G., Vasiliadis K., Frogoudaki A., Ntellos C., Tzifa A., Brili S., Manginas A., Apostolopoulou S., Kolios M., Pitsis A., Ntiloudi D., Karvounis H., Tsioufis K., Rammos S.
- P-101 Decline of estimated glomerular filtration-rate are mainly related to low cardiac output and combination use of spironolactone in adult Fontan patients
Kenji S., Hamamichi Y., Komiya E., Nukaga S., Ishii T., Kishiki K., Inage A., Ueda T., Yazaki S., Yoshikawa T.

Imaging – Functional Assessment

- P-102 Evaluation of Right Ventricular Myocardial Deformation and Tricuspid Valve Displacement in Repaired Tetralogy of Fallot using Feature Tracking Magnetic Resonance Strain
Inage A., Mizuno N.
- P-103 Differences between echocardiographic features of newborns large for gestational age, newborns of mothers with gestational diabetes and newborns appropriate for gestational age
Erolu E., Akalin F., Karacan M., Sahin O., Bilgin L.
- P-104 The Evaluation of Patients with Corrected Transposition of Great Arteries with Situs Inversus
Kasar T., Ayyıldız P., Ergul Y., Ozturk E., Guzelas A.
- P-105 A Case of Atypical Kawasaki Disease with Abducens Nerve Palsy and Sialadenitis
Yilmazer M.M., Meşe T., An H.F., Güven B.
- P-106 World Health Organization and World Heart Federation Echocardiographic Criteria for the Diagnosis of Rheumatic Subclinical Carditis: a Comparative Study
Zaher A.Z., Hamza H.S., Mosaad N.A.
- P-107 The influence of dipper pattern on ventricular functions with tissue Doppler, vascular functions with arterial stiffness and heart rate variability in newly diagnosed arterial hypertension in children
Cilsal E.
- P-108 The Serial changes in Myocardial Functions after Pediatric Hematopoietic Stem Cell Transplantation: from baseline to the 12th months
Ekici F., Uslu Tamburacı Z.D., Yalcın K., Dönmez L., Güler Balcı E., Küpesiz A., Kardelen F.
- P-109 Cardiovascular magnetic resonance reveals pathophysiologic background in paediatric patients with ventricular tachycardia and normal echocardiographic findings
Giannakopoulou A., Mavrogeni S., Karanasios E., Loukopoulou S., Andreou N., Papadopoulos G.
- P-110 Performance of cardiac MRI for congenital heart disease in a High Field Open (HFO) 1.0 Tesla MRI scanner
Tzifa A., Papaioannou G., Patris K., Kritikos N., Loggitsi D.
- P-111 Detection of regional wall motion abnormalities by three dimensional speckle-tracking in young patients after HTx
Racolta A., zu Knyphausen E., Klusmeier E., Körperich H., Kececioglu D., Laser K.T.
- P-112 Right Ventricular Evaluation by Echocardiographic Score in Repaired Tetralogy of Fallot
Limsuwan A., Trisauvapak T., Khowsathit P.
- P-113 Myocardial strain using speckle tracking echocardiography in pediatric Duchenne Muscular Dystrophy patients
Cesar S., Ortez C., Nascimento A., Bijmens B., Sarquella-Brugada G.
- P-114 The role of the hepatic elastography in the follow up of patients after Fontan surgery
Meliota G., Lombardi M., Tagliente M.R., Scalzo G., Vairo U.
- P-115 Follow-up of Coarctation of the Aorta: a single-centre experience
Meliota G., Lombardi M., Tagliente M.R., Scalzo G., Spagnoletti G., Vairo U.
- P-116 Parameters of biventricular dyssynchrony in patients with repaired and unrepaired Ebstein's anomaly – Assessment by tissue tracking cardiovascular magnetic resonance
Marcora S.A., Weber R., Oxenius A., Attenhofer Jost C., Valsangiacomo Buechel E.R.
- P-117 Parameters of biventricular deformation in patients with repaired and unrepaired Ebstein's anomaly – Assessment by tissue tracking cardiovascular magnetic resonance
Marcora S.A., Weber R., Oxenius A., Attenhofer Jost C., Valsangiacomo Buechel E.R.
- P-118 Midwall fibrosis in children and adolescents with primary inherited dilated cardiomyopathy
Al-Wakeel - Marquard N., Degener F., Nordmeyer S., Schmitt B., Kühne T., Klaassen S., Berger F., Messroghli D.
- P-119 Lung ultrasound in the pediatric patient with postoperative congenital heart disease. Towards the new frontier
Hasan T., Bonetti S., Bulgarelli A., Gioachin A., Ragni L., Prandstraller D., Gagriulo G.D., Bonvicini M., Dotti A.

- P-120 Assessment of pressure-volume-relations in univentricular hearts - comparison of obtainment by 3D-real-time echocardiography and mini pressure-wire with conductance technology
Linden K., Winkler C., Breuer J., Herberg U.
- P-121 Left Ventricular Deformation in β -thalassemias
Raouf W.A., Hamza H.S., El-Beshlawy A.M.
- P-122 Left and Right Ventricular Functions may be Impaired in Children Diagnosed with Subclinical Hypothyroidism
Akin A., Unal E., Yildirim R., Ture M., Balik H., Haspolat Y.K.
- P-123 Myocardial Deformation and Rotational Mechanics in infants with Down Syndrome in the Early Neonatal Period
Breatnach C.R., Bussman N., Smith A., Duignan S., Levy P.T., McCallion N., Franklin O., EL-Khuffash A.
- P-124 D-Transposition of the Great Arteries and Intact Ventricular Septum: morphological and functional echocardiographic pattern in newborns before the surgical correction
Walter C, Gómez O., Bartrons J., Carretero J., Sánchez-De-Toledo J.
- P-125 3D printed heart models are highly anticipated innovation in medical education
Meyer-Szary J., Sabiniewicz R., Kwiatkowska J., Fijałkowska J., Dorniak K.
- P-126 Interference of BMI with accuracy and validity of 3D-STE data
AbdelMassih A.F., Agha H.M., AbdelRahman M.Y., Milanese O., Castaldi B., Geranio G., Putti M.C., Kharabish A., Esmail R., El-Kamah G., Hamdy M., El-Baz H., El-Behary N., Hanna C., El-Tagy H., Mishriky M.A., Mamdouh M., Livio A., Ramadan T., Afdal P.
- P-127 First Presentation of Rheumatic Fever in Preschool Egyptian Children Younger Than 5 Years
Marzouk P.A., Hamza H.S., Mosaad N.A., Emam S.M., Fattouh A.M.
- P-128 Hypertrophic cardiomyopathy in childhood show difference in degree of hypercontractility between MYH7 mutations and MYBPC3 mutations
Allahyari P., Östman-Smith I.
- P-129 Morpho-functional myocardial status in preterm infants with hemodynamically significant patent ductus arteriosus
Gonchar M., Boichenko A., Kondratova I., Matsiyevska N., Onikiienko O.
- P-130 The improvement of Echo Criteria to determine the hemodynamic significance of PDA among premature neonates
Kulikova D.A., Buchneva O.V., Safonova I., Pisklova Y.V., Krylova O.S., Shafer Y.V.
- P-131 Prevalence of Fontan associated liver disease using standard investigations
Hansen J.H., Moritz J.D., Senkpiehl I., Fischer G., Logoteta J., Rinne K., Attmann T., Scheewe J., Kramer H.-H.
- P-132 Abnormal blood flow dynamics are associated with anatomical torsion of the aortic arch and eccentric geometry of the RV in Patients with Hypoplastic Left Heart Syndrome after three-stage palliation
Trotz P., Gabbert D.D., Wadle F., Kheradvar A., Kis E., Scheewe J., Kramer H.-H., Rickers C.
- P-133 Comparison of Echocardiography Indexes and Heart Failure Plasma Biomarkers in Young Adults with Single Ventricle after the Total Cavopulmonary Connection
Pozniak Y., Lebid I., Salamanyna A., Bairamov E., Rudenko N., Khanenova V., Iershova Y., Klymyshyn Y.
- P-134 Importance of coronary CT angiography after arterial switch operation in transposition of the great arteries patients
Abreu S., António M., Pinto F.
- P-135 Neo-aortic root dilatation and its impact on neo-aortic regurgitation in adolescents and young adults with transposition of the great arteries after an arterial switch operation
Michalak K.W., Moll M., Sobczak - Budlewska K., Moll J.A., Szymczyk K., Dryżek P., Moszura T., Moll J.J.
- P-136 Cardiovascular Assessment of Children with Alagille Syndrome Prior to Liver Transplantation: Should Hybrid MRI-Catheter Have the Last Word
Bordin G., Valverde I., Cernat E., Baker A., Miller O.
- P-137 The Impact of Acute Preload Changes on Left Ventricular Cardiac Mechanics in Children who Underwent Percutaneous Closure of Patent Ductus Arteriosus
Prota C., Sabatino J., Smith B., Paredes J., Josen M., Michielon G., Fraise A., Di Salvo G.
- P-138 Kawasaki disease: cardiac mechanics analysis by speckle tracking echocardiography in children and young adults
Prota C., Sabatino J., Josen M., Paredes J., Johansen Vidia V., Pernia M., Herberg J., Fraise A., Di Salvo G.
- P-139 Cardiac mechanics in children with left ventricular non compaction
Sabatino J., Prota C., Paredes J., Uy Pernia M., Josen M., Karagodova E., Krupickova S., Daubeney P., Di Salvo G.
- P-140 Peripheral Arterial Structure and Function in Young Survivors of Childhood Cancer
Broberg O., Maxedius A., Öra I., Liuba P.

- P-141 Circulating Biomarker for Myocardial Angiogenesis in Children and Adolescents with Severe Hypertrophic Cardiomyopathy
Fernlund E., Gyllenhammar T., Larsson A., Årnlöv J., Carlsson M., Liuba P.
- P-142 Prediction of the heart function in patients with single ventricle physiology by using a simulation model
Hakacova N., Enocksson M., Winkler K., Broome M.
- P-143 Cardiac Magnetic Resonance in young patients with Hypertrophic Cardiomyopathy
Ait Ali L., Sandrine C., Todiere G., Barison A., Aquaro D.G., Khraiche D., Legendre A., Boddaert N., Festa P., Bonnet D., Raimondi F.
- P-144 Young Fontan patients with strong regurgitation of atrio-ventricular valve possess cardiac overloads and also hepatic disorders
Horimoto Y., Hamamichi Y., Wakamiya T., Mastui T., Kuwata S., Kobayashi T., Saito M., Ishii T., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- P-145 We should note that lower pressure of pulmonary capillary wedge than we expected lifts up central venous pressure in Fontan circulation
Horimoto Y., Hamamichi Y., Wakamiya T., Mastui T., Kuwata S., Kobayashi T., Saito M., Ishii T., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- P-146 Assessment of right ventricular diastolic by tricuspid annular plane systolic excursion (TAPSE) and its prognostic value in patients with pulmonary arterial hypertension
Bobhate P., Colaco S., Karande T., Kasar P., Kulkarni S.
- P-148 Evaluation of Revised Jones Criteria for Diagnosing Acute Rheumatic Fever in the Setting of a Tertiary Cardiac Centre in India
Saxena A., Narang R., Ramakrishnan S., Gupta S.K., Juneja R., Kothari S.S.
- P-149 Blood pressure measurements in infants; who does what? A Nordic survey
Granlund P.A., Ødegaard J.S., Skjerven H.O., Carlsen K.C.L., Hanseus K., Rognvaldsson I., Sunnegård J., Turanlahti M., Holmstrøm H.
- P-150 Myocardial deformation imaging identifies early phenotypic changes in children with HCM-causing sarcomere protein gene mutations
Argiolas A., Norrish G., Green D., Marek J., Kaski J.
- P-151 Relationship between ventricular function and exercise performances in adult patients with Fontan circulation
Ladouceur M., Laurito M., Pontnau F., Karsenty C., Iserin L., Legendre A.
- P-152 Cardiac index is not related to Ventricular Ejection Fraction in different types of Total Cavo Pulmonary Connection
Ciliberti P., Valenti V., Ciancarella P., Napolitano C., Curione D., Santangelo T., Leonardi B., Drago F., Iorio F.S., Giannico S., Carotti A., Secinaro A.
- P-153 Joint reference values for cardiac MR imaging derived ventricular size and function for children aged 0-18 years
van der Ven J.P.G., Sadighy Z., Valsangiacomo-Buechel E., Sarikouch S., Kellenberger C.J., Kaiser T., Beerbaum P., Boersma H., Helbing W.A.
- P-154 Echocardiographic study in children suffering from Familial Mediterranean fever . A preliminary study of a cohort of patients from Northern Greece
Vampertzi O., Papadopoulou-Legbelou K., Triantafyllou A., Douma S., Papadopoulou-Alataki E.
- P-155 Paracetamol for the Treatment of Pre-term Patent Ductus Arteriosus - A Systematic Review and Meta-analysis
Gibb J., Tulloh R.
- P-156 Chronological change of the interventricular septal thickness in hypertrophic cardiomyopathy associated with inborn errors of metabolism
Nakano K., Hayashi T., Ono H., Kato H.
- P-157 Feasibility and reproducibility of new 3D automatic software for left heart chamber quantification in children
Hadeed K., Amadiou R., Dulac Y., Karsenty C., Ratsimandresy M., Acar P.

Interventional Cardiology

- P-158 Pericardium-covered stent implantation in a complicated giant coronary artery aneurysm in an adolescent boy
Meşe T., Yilmazer M.M., Nazlı C., Varış E., Güven B.
- P-159 Successful Melody valve implantation in a stenotic conduit with large RVOT aneurysm
Abu Haweleh A., Fraisse A.
- P-160 Persistent Left Superior Vena Cava Closure in a Patient with Unroofed Coronary Sinus
Dogan M.T., Tutar E., Ucar T., Atalay S.
- P-161 Trans-septal Septostomy and Balloon Septoplasty of the Atrial Septum for Decompression of the Left Atrium in Patients Supported with Extracorporeal Membrane Oxygenation
Dogan M.T., Ucar T., Tutar E., Odek C., Ozcinar E., Cakici M., Kendirli T., Eyleten Z., Akar R., Atalay S.
- P-162 Cardiac catheterization in infants < 2500 grams
Anagnostopoulou A., Eleftherakis N., Andreou N., Loukopoulou S., Giannakopoulou A., Papafylaktou M., Karanasios E.

- P-163 Prevention of the complete heart block complication after transcatheter perimembranous ventricular septal defect correction
Sideris E., Macuil B., Zanzani S., Sokolov A., Varvarenko V., Pursanov M., Toumanides S.
- P-164 Catheter Closure of Patent Ductus Arteriosus in Adult Patents Using an Outpatient Protocol. A randomized multicentre study
Thanopoulos B.D., Dardas P., Ninios V., Giannakoulas G., Deleanou D., Lancovici S.
- P-165 Definition of Institutional Diagnostic Reference Levels in Pediatric Interventional Cardiology Procedures
Tsapaki V., Kollaros N., Tsoutsinos A., Plemmenos C., Mastorakou I., Apostolopoulou S.C.
- P-166 Results of MRI guided or assisted procedures in Greece
Tzifa A., Patris K., Apostolidis Ch., Avramidis D., Loggitsi D., Kalangos A.
- P-167 Thrombus Aspiration in Acute Myocardial Infarction in Children with Intra-cardiac Mass
Waihayawongsakul P., Limsuwan A., Jongviriyavong P., Meemook K., Jirotjananukul T., Samankatiwat P., Siripornpitak S., Wattananatranon D.
- P-168 Is transhepatic vascular access a feasible and safe alternative for cardiac catheterization in children with congenital heart disease?
Jakob D.-M., Knirsch W., Kretschmar O.
- P-169 Transcatheter Closure of Atrial Septal Defects and Patent Ductus Arteriosus using Cocoon Devices - single pediatric center experience
Mahmoud H., Nicolescu A., Filip C., Bogdan A., Nicolae G., Duica G., Cinteza E.
- P-170 Transcatheter closure of atrial septal defects in children and adolescents: a single center experience with the occlutech figulla septal occluder
Bilici M., Akin A., Demir F., Ture M., Balik H., Yilmaz K., Kuyumcu M.
- P-171 Percutaneous closure of paravalvar leak after Cone repair for Ebstein's anomaly
Alderweireldt A., Bové T., De Groot K., De Wilde H., François K., Minne A., Panzer J., Vandekerckhove K., Zaqout M., De Wolf D.
- P-172 Endovascular pulmonic 'Bentall procedure' as tailored treatment strategy in a ruptured and dilated pulmonic homograft of a patient with congenital heart disease following Ross operation
Mueller G., Christoph Sinning C., Kozlik-Feldmann R., Biermann D., Koelbel T., Schaefer U.
- P-173 Closure of the iatrogenic cleft in mitral valve in two years old child
Saygili A., Yildiz P., Oktay A., Yalcinbas Y.K., Yuksek A.
- P-174 Intra-cardiac Echocardiography guided trans-catheter closure of Patent Ductus Arteriosus without contrast angiography
Suda K., Maeda Y., Kuwaraha H., Kagiyama Y., Takase R., Kotada Y., Kudo Y., Iemura M.
- P-175 Difficulties and possible solutions in establishing a paediatric cardiac program in a developing country
Sadiq M., Khan A.
- P-176 When portal blood bypasses the liver: presentation and management of congenital Abernethy extra-hepatic shunts
Roggen M., Eyskens B., Maleux G., Witters P., Cools B., Heying R., Suys B., Boshoff D., Gewillig M.
- P-177 Coronary Artery Fistula in Infant
Culqui Levano E., Mariño Vigo C., Salinas Mondragón C.
- P-178 Exercise Doppler gradients in patients with effectively treated aortic coarctation
Rato J., Martins D., Congo K., Mendes S.C., Anjos R.
- P-179 Early postoperative cardiac catheterization in patients with functionally univentricular hearts
Loureiro P., Tanase D., Eicken A., Ewert P., Cleuziou J., Georgiev S.
- P-180 Long term outcomes of balloon aortic valvuloplasty in neonates, infants and children
Quyam S., Bellsham-Revell H., Rosenthal E., Simpson J.M., Hewett S., Patel J., Qureshi S.A.
- P-181 Use of Transcatheter Flow Reducer in Complex Fontan Circulation Based on Computation Fluid Dynamics Simulation
Liuba P., Frieberg P., Strand D., Maxedius A., Forslid A., Carlsson M.
- P-182 The outcome of percutaneous pulmonary valvuloplasty in infants. A single center experience
Sodini C., Lunardini A., Giusti S., Spadoni I.
- P-183 Percutaneous closure of traumatic atrial septal defect, where the problem lies?
Sirico D., Annoni G., Mauri L., Moreo A., Giannattasio C., Vignati G.
- P-184 Single center experience in usage of the ultrahigh pressure balloons in dilatation of rigid vessel stenosis in patients with congenital heart disease
Pursanov M.G., Chiaurelly M.R., Sobolev A.V., Atajanov U.U.
- P-185 Hybrid stenting of hypoplastic pulmonary arteries in surgical repair of complex CHD
Pursanov M.G., Shatalov K.V., Chiaureli M.R., Berishvili D.O., Kim A.I., Sobolev A.V., Arnautova I.V., Baveyan A.O.
- P-186 Infective Endocarditis after percutaneous pulmonary valve implantation – Long-term single centre experience
Tanase D., Ewert P., Hager A., Georgiev S., Cleuziou J., Hess J., Eicken A.
- P-187 Transcatheter Closure of Arterial Duct in Infants < 6 kg: Amplatzer Duct Occluder type I vs. Amplatzer Duct Occluder II Additional Sizes
Giordano M., Santoro G., Gaio G., Palladino M.T., Iacono C., Capozzi G., Carrozza M., Russo M.G.

- P-188 Off-label use of duct occluder devices in low-income countries to close hemodynamically relevant perimembranous ventricular septal defects: a multicenter experience
Sreeram N., Udink ten Cate F.E.A., Sobhy R., Kalantre A., Sachdev S., Subramanian A., Koneti N.R., Hamza H., Jayaranganath M., Kumar R.K.
- P-189 Cerebral oxygenation normalization is delayed following balloon atrial septostomy in neonates with transposition of the great arteries compared to preductal peripheral saturation
Puska V., Pitkänen O., Rautiainen P., Kaskinen A., Boldt T., Pihkala J., Andersson S., Rahkonen O.
- P-190 Ductus arteriosus stenting in patients with ductal-dependent pulmonary blood flow- single center experience
Gendera K., Ewert P., Georgiev S., Tanase D., Genz T., Hosny Fayed M., Eicken A.
- P-191 Percutaneous catheter interventions via Glidesheath Slender in small children
Gendera K., Ewert P., Georgiev S., Tanase D., Genz T., Hosny Fayed M., Eicken A.
- P-192 Successful percutaneous recanalization of the RPA origin after surgical ligation in patient with Ebstein anomaly and Glenn procedure
Gendera K., Ewert P., Georgiev S., Tanase D., Genz T., Hosny Fayed M., Eicken A.
- P-193 Complex decision making in the paediatric catheterisation laboratory
Duignan S., Ryan A., Burns B., Kenny D., McMahon C.J.
- P-195 Dilating side struts of open cell stents - An in vitro study
Krasemann T., Kruit M.N., van der Mark A.E., Zeggelaar M., Dalinghaus M., van Beynum I.M.
- P-196 Interventions and strategies in patients with pulmonary atresia and multifocal lung perfusion
Zartner P., Hart C., Suchowerskyj P., Asfour B., Schneider M.B.
- P-197 Transcatheter embolectomy with thrombus fragmentation and aspiration in adolescent pulmonary embolism
Levunlieva E., Kaneva A., Dimitrov L., Nenova K., Alexandrov A.
- P-198 Occlusion of Complex Veno-atrial Collaterals in a Fontan Circulation
Rehman R., Elarabi A., Alwi M.
- P-199 Outcomes of Ductal Stenting with Pre-existing Branch Pulmonary Artery Stenosis - Revisiting the American Heart Association Guidelines
Rehman R., Marhisham C.M., Samion H., Alwi M.
- P-200 Accuracy of imaging fusion between echocardiography and fluoroscopy in percutaneous atrial septal defect closure in children
Hadeed K., Hascoet S., Ratsimandresy M., Karsenty C., Alacoque X., Heitz F., Fraisse A., Dulac Y., Acar P.
- P-201 Hybrid-implantation of a pulmonary valve avoiding cardiopulmonary bypass
Wiegand G., Schlensak C., Mustafi M., Schneider W., Sieverding L., Hofbeck M.
- P-202 Pulmonary atresia with intact ventricular septum: medium term follow-up
Bacca A., Donti A., Mariucci E.M., Egidy Assenza G., Bonvicini M.
- P-203 Three-dimensional rotational angiography in newborns and infants with hypoplastic left heart syndrome
Koleśnik A., Zubrzycka M., Rewers B., Migdał A., Brzezińska-Rajszys G.
- P-204 Coronary artery size and event free survival after transcatheter closure of coronary fistulas
Radtko W.A.K., Rubinstein C., Tsuda T.
- P-206 The Amplatzer Duct Occluder II Additional Sizes – Our experience with different intra- and extracardiac shunts closure in paediatric and adolescent population
Galeczka M., Litwin L., Fiszer R., Smerdzinski S., Szkutnik M., Bialkowski J.
- P-207 Safety and efficiency in transcatheter closure of atrial septal defect (ASD) using Cocoon Septal Occluder
Knop M., Fiszer R., Szkutnik M., Smerdzinski S., Bialkowski J.
- P-208 Bare-metal stenting in recurrent coarctation of the aorta below 12 kg of weight
Grootendorst R.J., Krings G., Molenschot M., Breur J.M.P.J.
- Surgery and Intensive Care**
- P-209 Suspected protamine-induced lethal myocardial ischemia after congenital heart surgery in an infant with congenital disorder of glycosylation
Panagiotou E., Ostermayer S.H.U., Gruszka A., Koester S., Hanten J., Maizza A.F., Vazquez J., Buding B., Kerst G.
- P-210 Effect of Modified Ultrafiltration of Blood on the Immune Response of Body in Children
Baizhigitov N.B., Kuatbekov K.N., Abzaliev K.B., Mullen A.K., Sepbayeva A.D.
- P-211 Early and Late Outcomes of Total Correction of Tetralogy of Fallot; a single center experience
Surucu M., Erdogan I., Tokel K., Varan B., Ozkan M., Kilic M., Aslamaci S.
- P-212 Resolution of Pulmonary Arterial Hypertension after Successful Repair of a Large Aortopulmonary Window (APW) in an Adult Patient
Hakim I.N., Zografos M.P., Protopoulos M.E., Zavaropoulos P., Tsaousis G., Alexopoulos C., Sarris E.G.
- P-213 Neonatal aortic coarctation repair: early and midterm results in a low volume Paediatric Cardiac Centre
Kalavrouziotis G., Kallikourdis A., Giannakopoulou E., Tzalavra S., Prapa M., Agrogianni X., Kouna N., Garini E., Eleftherakis N., Paraschou D., Barbaressou Ch., Kourtesis A., Paphitis Ch.

- P-214 Vascular Rings - Aortic Arch Abnormalities. Single Center 31 years of Experience
Kallikourdis A., Kalavrouziotis G., Antonopoulos N., Schoretsanitis P., Garini E., Eleftherakis N., Giannakopoulou E., Andreou N., Karanasios E., Kourtesis A.
- P-215 Re-operations for Tricuspid Valve Regurgitation Following Tetralogy of Fallot Repair
Ntalarizou E., Sfyridis P., Tzifa A., Mitropoulos F., Azariadis P., Mponou P., Anderson D., Kalangos A.
- P-216 Long Term Results after Arterial Switch Operation (ASO) for Transposition of the Great Arteries: Complications necessitating re-intervention
Protopapas E., Zografos P., Hakim N., Zavaropoulos P., Alexopoulos C., Sarris G.
- P-217 Consistent improvement of right ventricular (RV) size and function after late pulmonary valve replacement following complete repair of Tetralogy Fallot (TOF): A 20-year experience
Zografos M.P., Protopapas M.E, Hakim I.N., Zavaropoulos P., Alexopoulos C., Kyrvasillis G., Sarris E.G.
- P-218 Functional results (midterm) after double switch operation in congenitally corrected transposition of great arteries
Vazaios C., Kántorová A., Valentík P., Šagát M., Nagi A.S., Sabateen F., Nosal' M.
- P-219 Pulmonary artery banding (PAB): Fez's experience
Atmani S., Elkouach M., Labib S., Adnan B.
- P-221 Sildenafil Plasma Concentrations during Routine Treatment of Children with Pulmonary Arterial Hypertension
Ziesenitz V., Grommes S., Burhenne J., Uhl S., Mikus G., Haefeli W.E., Gorenflo M.
- P-222 Early Postoperative Low Cardiac Output Syndrome Due to Restrictive Right Ventricle Physiology After Surgical Repair of Tetralogy Fallot
Cevik A., Tuncel Z., Balci S.T., Karaci A.R., Yalcin Y.
- P-223 Bivalvotomy Procedure with Plicated Interatrial Septum Remnant for Common Atrioventricular Valve Regurgitation in Neonate with Asplenia Syndrome
Imoto Y., Matsuba T., Ogata Y., Yamamoto H., Matsumoto K., Arata K., Imagama I., Kanda H., Toyokawa K., Tateishi N., Nagatomi S.
- P-224 Left internal Jugular aneurysm in a 15 month old Boy
Loggos S., Kannangara R., Chetcuti K., Pelella G., Lotto A., Dhannapuneni R., Guerrero R.
- P-225 Outcomes following general anaesthesia in Paediatric Hypertrophic Cardiomyopathy
Norrish G., Forshaw N., Field E., Kaski J.P.
- P-226 Improving Use of Peri-operative Therapeutic Heparin Infusions on a Paediatric Cardiology Ward
Searle J., Bentley S., Rowlinson G.
- P-227 Risk Factors for Pericardial Effusion After Cardiac Surgery in Children – A 17-year Retrospective Survey
Alsafi Z., Maxedius A., Tran P.K., Johansson Ramgren J., Liuba P.
- P-228 Factors Influencing Need for Late ASD Closure after Neonatal Repair of Severe Pulmonary Valve Obstruction and Intact Ventricular Septum
Björk J., Odermarsky M., Steiner K., Jarring J., Sjöberg G., Johansson Ramgren J., Liuba P.
- P-229 Early Electrocardiographic Changes in Patients with Tetralogy of Fallot After Surgical Repair with Monocusp Pulmonary Valve
Ljung L., Jeremiasen I., Rosenkvist C.J., Maxedius A., Sjöberg G., Hanseus K., Liuba P.
- P-230 Levosimendan therapy in children with chronic/acute cardiomyopathy compared to congenital heart disease
Galoïn-Bertail C., Mulatier C., Perouse de Montclos T., Bakloul M., Walton C., Dourousset C., Leconte C., Di Filippo S.
- P-231 Prognostic value of a new lung ultrasound score in pediatric cardiac surgery
Ait Ali L., Gargagni L., Scalese M., Franchi E., Giordano R., Haxiademi D., Moschetti R., Festa P., Murzi B., Santora G, Cantinotti M.
- P-232 Could 3D-printed models improve pre and per-operative management of anomalous origin of coronary artery?
Batteux C., Piéchaud J.F, Belli E., Zoghbi J., Van Aerschot I., Bouzguenda I.
- P-233 Incidence of congenital heart disease in a neonatal unit of a tertiary care hospital in Tunisia
Chioukh F.Z., Ben Ameer K., Khemis T., Ajmi H., Hamdi S., Maatoug F., Kortas C., Ben Hamida H., Bizid M., Zaydi T., Monastiri K.
- P-234 Mortality of congenital heart diseases in a neonatal intensive care unit
Chioukh F.Z., Ben Ameer K., Khemis T., Ajmi H., Hamdi S., Maatoug F., Kortas C., Ben Hamida H., Bizid M., Zaydi T., Monastiri K.
- P-235 Degenerative alterations in RVOT samples – what to learn from histopathological analysis?
Peivandi A.D., Seiler M., Asfour B., Sindermann J., Martens S., Osada N., Malec E., Lueck S.
- P-236 Cardiac function and heart failure treatment in Fontan patients - Impact of right and left ventricular physiology
Kampf K., Lehner A., Dalla-Pozza R., Hagl C., Haas N.A., Ulrich S., Hakami L.
- P-237 Impact of age on early postoperative outcome in infants after primary repair of tetralogy of Fallot with a transannular patch - Single Center Experience
Schnizer S., Dalla-Pozza R., Hagl C., Kur F., Pichlmaier M., Brenner P., Sadoni S., Haas N.A., Lehner A., Ulrich S., Hakami L.

- P-238 Long-term outcomes of the arterial switch operation in a population-based follow-up
Puska V., Kallio M., Ojala T., Rahkonen O., Mattila I., Pihkala J.
- P-239 Surgery of single ventricles: is the humanitarian action justified?
Gouton M., Bical O., Lucet V., Leca F.
- P-240 1996-2017: a humanitarian action for 3000 children with congenital heart diseases from developing countries
Gouton M., Saint-Picq M., Lucet V., Bical O., Leca F.
- P-241 Early and long-term results of biventricular repair of Tetralogy of Fallot with or without pulmonary atresia
Mostefa-Kara M., Villemain O., Meot M., Raïsky O., Bonnet D.
- P-242 The risk of reocclusion of aortic arch reconstruction varies among different type of patch material
van Beynum I.M., Kurul S., Krasemann T., Dalinghaus M., Etnel J.R., Bogers A.J.J.C.
- P-243 Pulmonary Vein Obstruction After Repair of Isolated Total Anomalous Pulmonary Venous Return
Ko J.K., Jun H.O., Baek J.S.
- P-244 Ibuprofen for the treatment of patent ductus arteriosus in preterm and/or low birth weight infants-our experience
Krstevska Blazhevska S.
- P-245 Recovery in the early postoperative period after Fontan operation – 9 years experience of a single institution in favor of early extubation strategy
Simeonov L., Shishkov S., Pechilkov D., Kaneva A.
- P-246 Survival rate drops substantially in patients with hypoplastic left heart syndrome who possess abnormality in pulmonary vein or left atrium
Hamamichi Y., Komiya E., Nukaga S., Sonoda K., Ishii T., Kishiki K., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- P-247 Decellularized fresh aortic homografts for aortic valve replacement in children: Initial experience with the ARISE valve
Schmiady M., Dave H., Valsangiacomo E., Greutmann M., Santos Lopes B., Kuen H.P., Kretschmar O., Hübner M.

Heart Failure

- P-248 Effect of Mechanical Circulatory Support Bridging to Pediatric Heart Transplant
Kocabeyoglu S.S., Pac M., Pac A., Kervan U., Sert D.E., Karahan M., Eris D.
- P-249 Epidemiologic Data, Prognosis and Biopsy Guided Therapy in Children with Myocarditis and Cardiomyopathy
Kourelis G., Vagenakis G., Rallis D., Apostolopoulou S.C., Kyriakoulis K., Kakava F., Ntegiannis D., Kaklamanis L., Rammos S.
- P-250 Treatment of pediatric patients with acute myocarditis from Parvovirus B19 with the off label use of Telivudine
Vagenakis G.A., Apostolopoulou S., Laskari C., Tsoutsinos A., Kakava F., Kyriakoulis K., Kourelis G., Rammos S.
- P-252 Multi-biomarker approach using ANP, BNP, NT-Pro BNP and hs-TnT improve prediction of adverse cardiac events in pediatric heart failure with congenital heart disease
Mori Y., Nakashima Y., Murakami T., Inoue N., Kaneko S.
- P-253 Cardiomyopathy and acquired long QT syndrome in propionic acidemia
Kovacevic A., Garbade S.F., Kölker S., Hoffmann G.F., Gorenflo M., Stauffer C.
- P-254 Risk factors for RV failure in paediatric patients requiring LVAD implantation due to heart failure secondary to cardiomyopathy
Rico-Armada A., Crossland D., Simpson E., O'Sullivan J., Reinhardt Z.
- P-255 Predictors of outcomes in paediatric dilated cardiomyopathy
Belhadjer Z., Iserin F., Khraïche D., Raïsky O., Bonnet D.
- P-256 Cardiac involvement and therapeutic outcomes in pediatric patients with Duchenne Muscular Dystrophy in the pediatric cardiology department of Ahepa in Thessaloniki during the period 2014-2015: a retrospective study
Papadopoulou A., Keivanidou A., Papazisi D., Giannopoulos A.
- P-257 Diastolic dysfunction whose etiologies were mostly obscure in Glenn patients frequently causes increased pressure of superior vena cava
Hamamichi Y., Nukaga S., Komiya E., Sonoda K., Ishii T., Kishiki K., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- P-258 Pulmonary-circulation disturbance arises in Glenn patients with high values of n-terminal pro-brain natriuretic peptide
Nukaga S., Hamamichi Y., Komiya E., Sonoda K., Ishii T., Kishiki K., Inage A., Ueda T., Yazaki S., Yoshikawa T.
- P-259 Evaluation of reverse remodeling in Right Ventricle Hypertrophy using PA debanding model rat
Urashima T., Itohisa M., Baba S., Ito R., Iijima M., Mori T., Kawachi F., Minamisawa S.

Psychosocial

- P-260 Anxiety, Depression and Behavioral Rating Scales in Children with Non-Cardiac Chest Pain
Yoldaş T., Kenar A., Örün U.A., Kayalı Ş., Bodur Ş., Özgür S., Doğan V., Karademir S.
- P-261 Outcomes of a multidisciplinary approach for paediatric cardiac patients yield high satisfaction but complete preparedness is unattainable
King G., Garratt V., Ellison N., Cutler H., Hughes J., Stoica S., Caputo M., Parry A.
- P-262 Neurological development of Congenital Heart Disease with Very Low Birth Weight Infants -Multicenter Study in Japan
Nakashima Y., Mori Y., Toyoshima K., Masutani S., Yoda H., Tanaka Y.
- P-263 Correlation between cognitive impairment and prognostic parameters in adult patients with congenital heart disease
Kourkovele P., Apostolopoulou S., Moutsou A., Rammos S.
- P-264 Psychoemotional status of families of preterm newborns with patent ductus arteriosus in the industrial region of a country with a developing economy
Onikiienko O.L., Kulikova D.O., Gonchar M.O., Buchneva O.V., Matsiyevska N.K.
- P-265 Parental anxiety and comprehension before cardiac intervention in a population of children with congenital heart disease (CHD): contributing factors and consequences
Werner O., Ovaert C., El Louali F.
- P-266 Transition program for children with congenital heart disease: the importance of patient engagement and partnership
Fournier A., Badr J., Dore A., Pomey M.P.
- P-267 Eye Movement Desensitization and Reprocessing in Children and Adolescents with Congenital Heart Disease (ConHD) and Medically Related Subthreshold PTSD: a Randomized Controlled Trial
Utens E.M.W.J., Meentken M.G., van Beynum I.M., Aendekerk E.W.C., Legerstee J.S., El Marroun H., van der Ende J., Lindauer R.J.L., Hillegers M.H.J., Moll H.A., Helbing W.A.
- P-268 Quality of life and long-term follow-up after stenting of Coarctation of the Aorta
Dobrev D., Lekova R., Kaneva A.

Morphology

- P-269 Newborn Screening for Congenital Heart Disease Using Echocardiography and Follow-up at High Altitude in China
Li J.J., Liu Y., Xie S.Y., Zhao G.D., Dai T., Chen H., Mu L.F., Qi H.Y., Li J.
- P-270 Incidence and Spectrum of Congenital Heart Disease in Neonatal Intensive Care Unit at High Altitude in China
Li J.J., Wang X.R., Qi H.Y., Li J.
- P-271 Isolated left ventricular apical hypoplasia in a 9-year-old girl - A rare differential diagnosis for dilatated cardiomyopathy
Zimmer M., Bergdolt M., Follmann P., Pohler J., Schumacher B., Kriebel T.
- P-272 AV Channel is very rare in T21 patients at high altitude in Bolivia
Heath A., Medina N., Balanza G., Scherer C., von Alvensleben I.
- P-273 Asymptomatic interarterial course of the left coronary artery from the right sinus of Valsalva. Which management should be recommended?
Gildein H.P., Brangenberg R., Epp A., Buheitel G., Meierhofer C., Ewert P.
- P-275 Left ventricular noncompaction in cardiac explants from paediatric patients and adults with congenital heart disease: prevalence and associated factors
Silva P.G., Azeka E., Jatene M.B., Aiello V.D.
- P-276 How does right and left isomerism look like? A portrait of cardiac anomalies and visceral arrangement
Oreto L., Ciliberti P., Del Pasqua A., Santangelo T.P., Napolitano C., Manuri L., De Zorzi A., Gitto P., Saitta M.B., Anderson R.H., Agati S., Carerj S., Secinaro A.

Preventive

- P-277 Cardiotoxicity in Acute Lymphoblastic Leukaemia - Long-term follow-up in a group of paediatric patients
Pires M., Francisco A., Brito J., Pires A.
- P-278 The Association of Birth Weight with Cardiovascular Risk Factors in Early Childhood
Dogan M.T.
- P-282 Pilot Study of Pulse Oximetry Screening Test in Azerbaijan
Petropoulos A.C., Behbudov V., Khudiyeva A., Mustafayeva G., Seyidov N.
- P-283 Impact of Prenatal and Early Postnatal Diagnosis of Critical Congenital Heart Defects in Romanian Newborns
Nicolae G., Nicolescu A., Diaconu A., Cinteza E., Duica G., Safta G., Cirstoveanu C., Filip C.
- P-284 Pulse oximetry screening in the asymptomatic newborns
Chaudhry S.H., Singh Y.

- P-285 Assessment of cardiac functions, aortic stiffness and heart rate variability parameters in children with Attention Deficit Hyperactivity Disorder
Gürses D., Kızılkaya A., Ünlü G., Büber A.
- P-286 Time Domain Heart Rate Variability Analysis in Familial Mediterranean Fever Patients
Gürses D., Yüksel S., Yıldırım-Arslan S.
- P-287 Breastfeeding and vitamin D supplementation reduce the risk of Kawasaki disease in a German population-based case-control study
Meyer K., Volkmann A., Hufnagel M., Schachinger E., Horstmann J., Stiller B., Jakob A.
- P-288 Determinant factors of physical fitness in children with congenital heart disease
Zaqout M., Vandekerckhove K., Bové T., François K., De Henauw S., De Wolf D., Michels N.
- P-289 Vitamin D Deficiency Cardiomyopathy: A National Experience
Ferguson R., Hunter L., McDevitt H.
- P-290 Is infective endocarditis of any concern in pediatric Marfan patients?
Olfe J., Stark V., Kozlik-Feldmann R., Mueller G.C., Pesch J., Mir T.S.
- P-291 Particularities in Diagnosis and Treatment for Infectious Endocarditis at Children in North Eastern of Romania - 11 Years Study
Iordache C., Luca A.C.
- P-292 Incidence and characteristics of Kawasaki Disease in Northwestern Greece
Vlahos A.P., Makis A.C., Tsitsari I., Chaliasos N.
- P-293 Booster Immunization in children and adolescents with congenital heart disease in Germany
Wacker-Gussmann A., Becker R., Unterleitner C., Remmele J., Reiner B., Hock J., Nagdyman N.2), Ewert P., Oberhoffer R.
- P-294 Oral Health and Awareness in Adults with Congenital Heart Disease
Wacker-Gussmann A., Hollatz S., Wilberg S., Folwaczny M., Kaemmerer H., Ewert P., Oberhoffer R.
- P-295 Maternal smoking before and during pregnancy and congenital heart defects
Tzimou I., Papadopoulou-Legbelou K., Keivanidou A., Emmanouil-Nikoloussi E.N., Giannopoulos A.
- P-297 Characteristics of infective endocarditis in children and adolescents with congenital heart defects in Norway
Jortveit J., Klčovansky J., Eskedal L., Birkeland S., Døhlen G., Holmstrøm H.
- P-298 Initiation of warfarin therapy in children: a new safe and practical clinical algorithm
Bajolle F., Moreau C., Neuraz A., Moreau de Bellaing A., Malekzadeh-Milani S., Lasne D., Bonnet D.
- P-300 Assessment of Pulse Oximetry Screening Trends in AEPC
Jakab A., Dalla Pozza R., Ehringer-Schetitska D., Fritsch P., Oberhoffer R., Petropoulos A.
- P-301 Estimation of health-related quality of life in children and adolescents with congenital heart disease by subjective and objective method
Batinica M., Dilber D., Božikov J., Matković H., Melsa M., Malčić I.
- P-302 Nocturnal Dipping in Prehypertensive Patients
Herceg-Cavrak V., Svigir A., Tokic Pivac V., Vugrinec Mamic M., Cuk M.

Association for European Paediatric and Congenital Cardiology (AEPC)



AEPC WAS FOUNDED IN LYON IN 1963 (as Association Européenne pour la Cardiologie Pédiatrique) and subsequently has created a network of specialists who are committed to the practice and advancement of Congenital Cardiology and closely related fields. *Cardiology in the Young* is the official journal of the AEPC. AEPC offers a free subscription of 'Cardiology in the Young' (CitY) as part of the annual membership fee. The membership also offers several other benefits.

The overall membership of the Association currently stands at 1300 paediatric cardiologists and other specialists working in the field of paediatric cardiology and its related disciplines. As far as we are aware, the AEPC is the largest democratically administered global association in the field of paediatric and congenital cardiology. Members of the AEPC originate from virtually all countries in Europe and it is encouraging that there are now increasing numbers of members from all the continents. New members are very welcome as they bring with them new ideas and innovations.

AEPC and its Working Groups aim to enhance collaboration amongst members for scientific research, promoting training, professional development and to maintain high standards of professional practice. The work on behalf of children and patients with congenital heart diseases is global and the AEPC has made itself a global organisation by its close collaboration with other international organizations. These include the European Society of Cardiology;

the Japanese Society of Paediatric Cardiology and Cardiac Surgery (JSPCCS); the European Association for Cardio-Thoracic Surgery (EACTS) and; the Adult Congenital and Pediatric Cardiology Section of the American College of Cardiology (ACC); the Asia Pacific Pediatric Cardiac Society (APPCS); the European Heart Surgeons Association (ECHSA), the World Congress of Paediatric Cardiology and Cardiac Surgery and several others.

Working groups

Several activities of AEPC are organized by the Working Groups. The Working Groups represent different subspecialties and specific areas of paediatric and congenital cardiology. The Association now has 13 Working Groups, to bring together workers with similar interests in order to facilitate research and collaboration and to organise teaching and training.

Annual meetings

An Annual Meeting and an Update-On Course are organised by the AEPC, usually in the third week of May in collaboration with one of the member countries. The AEPC organizes 2–3 Teaching courses for trainees in Paediatric Cardiology each year. Additional symposia and courses are usually a part of the annual meetings.

The International Society for Nomenclature of Paediatric and Congenital Heart Disease



THE INTERNATIONAL SOCIETY FOR NOMENCLATURE of Paediatric and Congenital Heart Disease (ISNPCHD) is an established not-for-profit organization, incorporated in Canada, with the collective mission to identify, standardize, and maintain an international system of nomenclature, the International Paediatric and Congenital Cardiac Code (IPCCC), to enhance global communication and facilitate patient care, research, and training in paediatric and congenital heart care across disciplines. In other words, the IPCCC provides a common language and terminology, inclusive of definitions and imaging, which covers the entire field of diagnostic and procedural terms for paediatric and congenital heart care. The IPCCC is the product of the cross-mapping work by the ISNPCHD Nomenclature Working Group during the decade following the publication in 2000 of two similar and complementary nomenclature systems, namely the International Congenital Heart Surgery Nomenclature and Database Project under the auspices of the European Association for Cardio-Thoracic Surgery and Society of Thoracic Surgeons, and the European Paediatric Cardiac Code under the auspices of the Association for European Paediatric Cardiology. The IPCCC is owned by the ISNPCHD but is digitally published for free download for private use (www.ipccc.net) in these two Societal versions, both with a Long List of over 10,000 terms with qualifiers, and a Short List of up to 1000 terms for use in databases when comparing institutional outcomes, both nationally and internationally. The Long Lists of the IPCCC comprehensively cover the field of paediatric and congenital cardiac care, including diagnoses of congenital and related acquired pathology, comorbid conditions, transcatheter and operative procedures, and a full list of postprocedural complications. The Short Lists are used within databases across the world with over 500,000 registered patients. The ISNPCHD encourages the commercial use of the

IPCCC by requiring and providing free-of-charge license agreements for its use, to ensure that the IPCCC remains unaltered by parties other than the ISNPCHD.

Since 2007 the ISNPCHD has been operating through three working groups:

- The Nomenclature Working Group, which continues to maintain, develop, expand, update, and preserve the IPCCC;
- The Definitions Working Group, which is engaged in writing definitions for the terms in the IPCCC. More recently this initiative has focused on the terms provided by the ISNPCHD at the behest of the World Health Organization (WHO) for the 11th revision of the International Classification of Diseases;
- The Archiving Working Group, which is engaged in linking images and videos to the IPCCC, including cardiac morphologic specimens, echocardiography, angiography, computerized axial tomography, magnetic resonance imaging, intraoperative photographs and intraoperative videos.

The ISNPCHD, through the IPCCC, enables institutions from around the world to seamlessly communicate with each other, comparing and then improving outcomes and the quality of care that is given to children, young people, and adults born with malformed hearts. This common language enables institutions to learn from those hospitals performing best at a global level, as well as facilitating research projects, such as comparing the longer term quality of life and complications in those who have required operative and transcatheter interventions. In addition, the nomenclature with corresponding definitions and matching imaging, enhances teaching of this specialty to the next generation of clinicians dedicated to pediatric and congenital cardiac care, both in the developed and developing world.

| Trianti Hall | MC3.3 | Banquet Hall | |
|--------------|---|--|---|
| | | 07:00 - 08:00 Registration for Update Teaching Course | |
| | | 08:00 - 10:30 Update Teaching Course | |
| | 08:30 - 10:00 Scientific Advisory Committee | | 11:00 - 13:00 Update Teaching Course |
| | 13:00 - 14:00 National Delegates Meeting & Professional Advisory Committee | 14:00 - 15:30 Education Committee | 14:00 - 15:45 Update Teaching Course |
| | | | |
| | 16:00 - 17:45 Opening Ceremony and Mannheimer Lecture | | |

| Trianti Hall | Kokkali Hall | Skalkotas Hall | MC3 Hall | MC2 Hall | MC3.3 | MC3.2 Hall | Banquet Hall |
|--|---|--|---|--|--|--|---|
| 08:00 - 09:00 Cardiovascular Morphology Working Group Business Meeting | 08:00 - 09:00 Working Group on Neurodevelopment and Psychosocial Care Business Meeting | 08:00 - 09:00 Paediatric Cardiovascular Intensive Care Working Group Business Meeting | 08:00 - 09:00 Cardiac Dysrhythmias and Electrophysiology Working Group Business Meeting | 08:00 - 09:00 Pulmonary Hypertension and Heart Failure Working Group Business Meeting | 08:00 - 09:00 Cardiac Imaging Working Group Business Meeting | 08:00 - 09:00 Genetics, Basic Science and Inherited Muscle Disease Working Group Business Meeting | 08:00 - 09:00 Interventional Cardiology Working Group Business Meeting |
| 09:00 - 11:00 AEPC Business Meeting | | | | | | | |
| 11:30 - 13:00 Joint Working Group Symposium: AEPCC & JSPCCS: Ebstein's anomaly from fetus until adult | 11:30 - 13:00 Moderated oral Posters: Basic science & Fetal & Prevention | 11:30 - 13:00 Special Program for Nurses and Allied Health professionals: Transfer and transition of adolescents with congenital heart disease - Putting theory into practice | 11:30 - 13:00 Abstract Session Arrhythmia-Electrophysiology | 11:30 - 13:00 Pulmonary Hypertension and Heart Failure WG Symposium: Epigenetics and Metabolism in Pulmonary Hypertension and Heart Failure | 11:30 - 13:00 Cardiac Imaging WG Symposium: CMR of the Fetal and Neonatal Heart | 11:30 - 13:00 Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium Cardiac Regeneration | 11:30 - 13:00 Joint Working Group Symposium: Adult Congenital Heart Disease WG & Interventional Cardiology WG Valve disease-management in the cath lab |
| 13:30 - 14:15 Meeting: Junior Members | 13:30 - 14:30 Lunch Workshop 2 (sponsored session) | 13:00 - 14:30 Nursing and Allied Health Professionals Working Group Abstract Presentations | 13:30 - 14:30 Lunch Workshop 3 (sponsored session) | 13:15 - 14:15 Lunch Workshop 1 (sponsored session) | 13:00 - 14:30 Joint AEPCC & CIY Board Meeting | 13:15 - 14:15 Coding Committee | 13:15 - 14:15 Lunch Symposium 1 (sponsored session) |
| 14:30 - 16:00 Cardiovascular Morphology Working Group Symposium: Coronary arteries in OFT malformations | 14:30 - 16:00 Moderated oral Posters: Intervention - Arrhythmias - Surgery IC - Fetal | 14:30 - 16:00 Joint Session AEPCC and APPCS Challenging Interventions | 14:30 - 16:00 Abstract Session: Surgery - Intensive Care | 14:30 - 16:00 Pulmonary Hypertension and Heart Failure Working Group Symposium: Best Oral Abstract Session | 14:30 - 15:30 ECG Quiz: Arrhythmia challenges: Improve your ECG skills-an interactive session | 14:30 - 16:00 Abstract Session: Imaging 1 | 14:30 - 16:00 Interventional Cardiology Working Group Symposium: Optimising the Fontan circulation in the cath lab |
| 16:30 - 18:00 Adult Congenital Heart Disease Working Group Symposium: Difficult Questions in Simple Lesions | 16:30 - 18:00 Abstract Session: Imaging 2 | 16:30 - 18:00 Paediatric Cardiovascular Intensive Care Working Group Symposium: Trends and strategies for improved Paediatric Cardiac Intensive Care | 16:30 - 18:00 Joint Preventive Cardiology Working Group & Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Risk stratification in genetic heart disease | 16:30 - 18:00 Abstract Session: Pulmonary Hypertension & Heart Failure | 16:30 - 18:00 Abstract Session: Surgery | 16:30 - 18:00 Abstract Session: Basic Science | 16:30 - 18:00 Interventional Cardiology Working Group Symposium: What I have learned over my career in the cath lab |
| | | | | 18:00 - 19:00 Business Meeting AEPCC & Japanese Society | | | |

| Trianti Hall | Kokkai Hall | Skalkotas Hall | MC3 Hall | MC2 Hall | MC3.2 Hall | Banquet Hall |
|---|--|--|---|--|--|---|
| | | 08:00 - 09:00 Congenital Heart Surgery Working Group Business Meeting | Nursing and Allied Health Professionals Working Group Business Meeting | 08:00 - 09:00 Adult Congenital Heart Disease Working Group Business Meeting | 08:00 - 09:00 Preventive Cardiology Working Group Business Meeting | 08:00 - 09:00 Fetal Cardiology Working Group Business Meeting |
| 09:00 - 10:30 Young Investigators Award | 09:00 - 10:30 Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Endocarditis | 09:00 - 10:30 Congenital Heart Surgery Working Group Multi-Disciplinary Symposium: Cardiorespiratory mechanical support in Pediatric Ages | 09:00 - 10:30 Abstract Session: Intervention Approaches - Long Term Results | 09:00 - 10:30 Joint Prevention Working Group and Adult Congenital Heart Disease Working Group Symposium: Adults with congenital heart disease: comorbidities and the role of physical activity and exercise in their prevention | 09:00 - 10:30 Joint AEPC & CPCA Session: Marfan Syndrome | 09:00 - 10:30 Fetal Cardiology Working Group Symposium: Prenatal functional cardiovascular abnormalities |
| 11:30 - 12:30 Interventional Cardiology Working Group Symposium: Difficult and unusual access for interventions | 11:30 - 13:00 Joint Pulmonary Hypertension and Heart Failure Working Group & Cardiac Imaging Working Group Symposium: Non-Invasive Assessment of Flow | 11:30 - 13:00 Joint AEPC, EACTS & ECHSA Session: Pediatric Heart Transplantation – State of Art | 11:30 - 13:00 Abstract Session: Novel Approaches - Long Term Results | 11:30 - 13:00 Moderated Oral Poster Session: Surgery - ACHD - End Stage Heart and Lung Disease | 11:30 - 13:00 Moderated Oral Poster Session: Surgery - ACHD - End Stage Heart and Lung Disease | 11:30 - 13:00 Joint Fetal Cardiology Working Group & Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Arrhythmias pre and postnatal: What can we learn from each other? |
| 12:30 - 13:00 Hausdorf Lecture | | 13:30 - 14:30 Junior Members Session | | 13:30 - 14:30 Lunch Workshop 1 (sponsored session) | 13:00 - 14:00 Task Force Business Meeting | 13:00 - 14:30 Lunch Symposium 2 (sponsored session) |
| 14:30 - 16:00 Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: My Nightmare EP case | 14:30 - 16:00 Cardiovascular Morphology Working Group, Anatomical Demonstration - Transposition of the great arteries | 14:30 - 16:00 Joint Interventional Cardiology Working Group & Congenital Heart Surgery Working Group Symposium: Controversies / debates | 14:30 - 16:00 Moderated Oral Poster Session: Imaging | 14:30 - 16:00 Abstract Session: Adult Congenital Heart Disease | 14:30 - 16:00 Abstract Session: Prevention & Psychosocial | 14:30 - 16:00 Abstract Session: Fetal |
| 16:30 - 18:00 Cardiac Dysrhythmias and Electrophysiology Working Group Symposium: Pharmacological therapy in different situations with PACES | 16:30 - 18:00 Genetics, Basic Science and Inherited Muscle Disease Working Group Symposium: Myocarditis | 16:30 - 18:00 Difficult Adult Congenital Heart Disease cases: Ask the Expert | 16:30 - 18:00 Cardiovascular Morphology Working Group Symposium: Anatomical Demonstration - Abnormal ventriculo-arterial connections | 16:30 - 18:00 Joint Pulmonary Hypertension and Heart Failure Working Group & Adult Congenital Heart Disease Working Group Symposium: PHVD and Heart Failure in Single Ventricle Physiology (Fontan) | 16:30 - 18:00 Special Program for Nurses: End of Life Care in patients with CHD - Ethics and cultural aspects | 16:30 - 18:00 Fetal Cardiology Working Group Symposium: Puzzle the Experts |

| Kokkali Hall | Skalkotas Hall | MC3 Hall | MC2 Hall | MC3.2 Hall | MC3.4 Hall |
|--|---|---|---|--|--|
| | | | | | |
| | 09:00 - 10:30 Adult Congenital Heart Disease Working Group Symposium: Training children's Hearts - Cardiac adaptations to exercise and training in childhood athletes and children with heart disease | 09:00 - 10:30 Genetics, Basic Science and Inherited Muscle Disease Working Group: Novel tools in science | 09:00 - 10:30 Hellenic Association for Paediatric Cardiology (HAPC) Symposium: Paediatric Cardiology and Cardiac Surgery in Greece: Current status | 09:00 - 10:30 Joint Working Group Symposium: Fetal Cardiology & Cardiovascular Morphology WG Exhausting the 3-vessel view. 3-vessel view in different conotruncal anomalies: morphology | 09:00 - 10:30 Joint Neurodevelopment and Psycho-Social Care Working Group & Nursing and Allied Health Professionals Special Program for Nurses Counselling Session: Prenatal care, pregnancy and genetics |
| | | | | | |
| 11:00-12:30 Abstract Session: Surgical Challenges | 11:00 - 12:30 Joint Pulmonary Hypertension & Heart Failure WG & Paediatric Cardiovascular Intensive Care WG & Congenital Heart Surgery WG & Interventional Cardiology WG Symposium: Innovative Interventional and Surgical Heart Failure Therapies | 11:00 - 12:00 Successes and failures in the cath lab | 11:00 - 12:30 Hellenic Association for Paediatric Cardiology (HAPC) Symposium: Care of GUCH in Greece | 11:00 - 12:30 Clinical drug research in children with heart disease | 11:00 - 12:30 Special Program for Nurses: Rehabilitation for patients with congenital heart disease |
| | 12:30 - 13:45 Keynote Lecture and Closing | | | | |