

**7th World Congress of Pediatric Cardiology & Cardiac
Surgery *Barcelona* July 16-21, 2017**



16-21 JULY, 2017

7th WORLD CONGRESS OF
PEDIATRIC CARDIOLOGY
& CARDIAC SURGERY

Barcelona

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Folkert Meijboom
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Tohru Kobayashi
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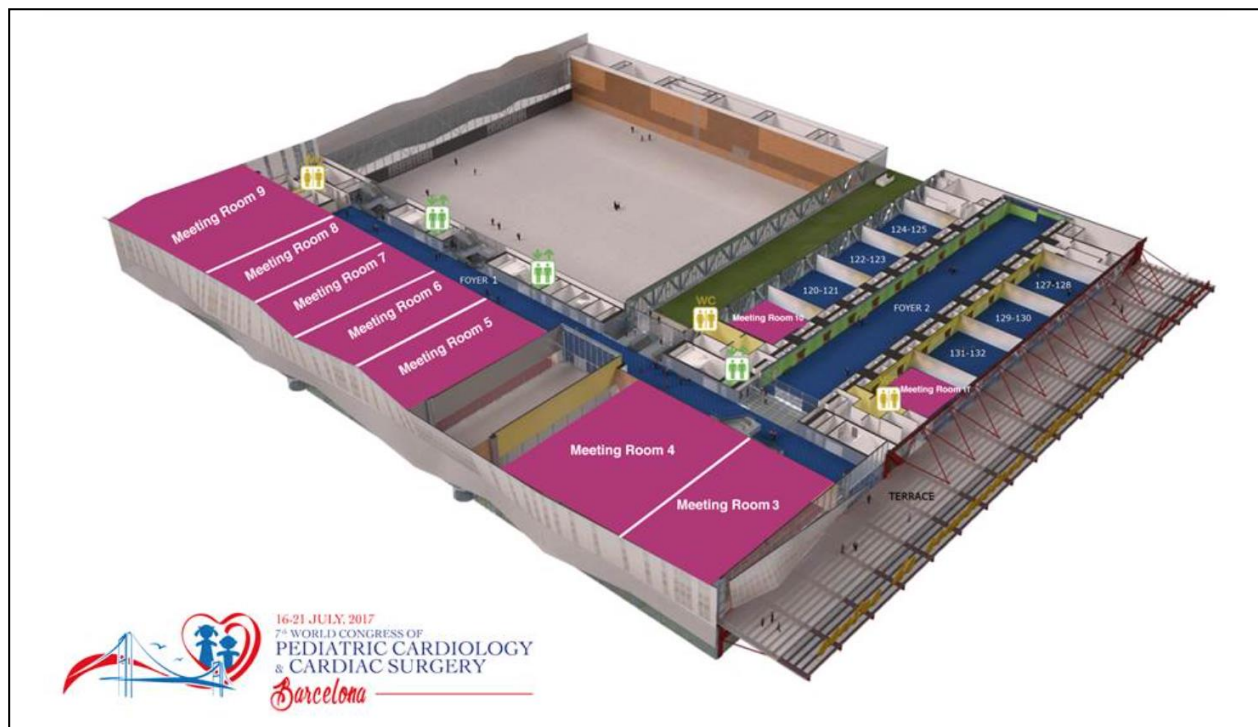
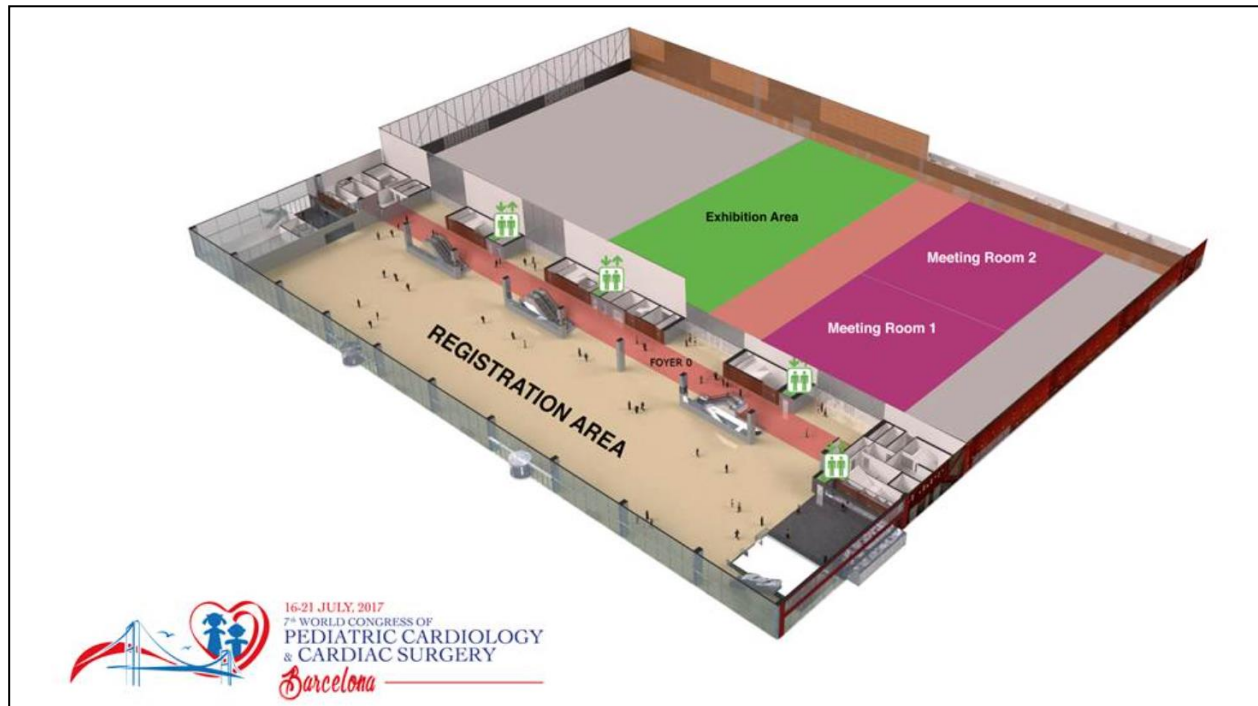
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BARCELONA INTERNATIONAL CONFERENCE CENTER



Oral Abstract Sessions

17 JULY 2017, MONDAY

10:00 – 11:00	Electrophysiology(EP1)	Meeting Room 3
10:00 – 11:00	Adult Congenital Heart Disease(ACHD1)	Meeting Room 9
10:00 – 12:00	Surgery Session (S1)	Meeting Room 14
13:30 – 14:15	Electrophysiology & ACHD	Meeting Room 9
14:00 – 15:00	Interventional Cardiology (IC1)	Meeting Room 10

18 JULY 2017, TUESDAY

10:00 – 12:00	Imaging Session(IM1)	Meeting Room 10
10:00 – 11:00	Intensive Care(IC1)	Meeting Room 15
10:00 – 12:00	Ambulatory (AMB 1)	Meeting Room 11
13:30 – 14:30	Ambulatory (AMB 2)	Meeting Room 2
13:30 – 14:30	Pulmonary Hypertension(PH)	Meeting Room 5
13:30 – 15:30	Adult Congenital Heart Disease(ACHD2)	Meeting Room 17
13:30 – 15:30	Surgery (S2)	Meeting Room 15
14:00 – 15:00	Interventional Cardiology(IC2)	Meeting Room 10

19 JULY 2017, WEDNESDAY

10:00 – 11:00	Rheumatic	Meeting Room 8
10:00 – 11:00	Humanitarian	Meeting Room 11
13:30 – 15:30	Electrophysiology(EP2)	Meeting Room 11
13:30 – 15:30	Heart Failure & Transplant	Meeting Room 15
13:30 – 14:30	Anesthesiology	Meeting Room 3

20 JULY 2017, THURSDAY

10:00 – 11:00	Imaging (IM2)	Meeting Room 1
10:00 – 11:00	Heart Failure & Transplant	Meeting Room 5
10:45 – 12:00	Interventional Cardiology(IC3)	Auditorium
13:30 – 14:30	Intensive Care(IC2)	Meeting Room 6
14:00 – 15:00	Interventional Cardiology(IC3)	Meeting Room 11

POSTER ABSTRACT SESSIONS

(Poster area will be between Exhibit Hall and Meeting Rooms 1 & 2)

17 JULY 2017, MONDAY

ICU & Interventional Cardiology

08:00 -10:00
13:30 -15:30
13:30 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

18 JULY 2017, TUESDAY

Nursing & Humanitarian & Administration

08:00 -10:00
10:00 -12:00
10:00 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

Electrophysiology & Imaging

08:00 -10:00
13:30 -15:30
13:30 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

19 JULY 2017, WEDNESDAY

Anesthesia

08:00 -10:00
10:00 -12:00
10:00 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

Heart Failure, Pulmonary Hypertension

08:00 -10:00
12:00 -13:30
12:00 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

Ambulatory & Adult CHD

08:00 -10:00
13:30 -15:30
13:30 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

20 JULY 2017, THURSDAY

Rheumatic

08:00 -10:00
10:00 -12:00
10:00 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

Surgery

08:00 -10:00
13:30 -15:30
13:30 -18:00
19:00 -20:00

Posters To Be Put Up
Presenters to Be Present
Posters Open For General Viewing
Posters to Be Taken Down Following the Evening Plenary

PROGRAM OUTLINE

16 JULY 2017, SUNDAY

PRE-CONFERENCE: Fetal Cardiology

Meeting Room 4

Note: This first session will include attendees from both the Fetal Cardiology and Neurodevelopment Pre-Conferences.

Welcome Speech: Gurur Biliciler-Denktaş (US)

Fetal & Neurodevelopment:

Moderators: Brad Marino (US) and Gurur Biliciler-Denktaş (US)

08:00 – 08:15 The Neurodevelopmental Phenotype.

Jane Newburger (US)

08:15 – 08:30 Fetal CNS oxygen delivery in the face of complex CHD.

Ismee Williams (US)

08:30 – 08:45 Delivery of the baby with complex CHD: When, where, how?

Jack Rychik (US)

08:45 – 09:00 Counseling and - how do you answer the question “Doctor, what would you do if it were your child?”

Roxanne Kirsch (Canada)

09:00 – 09:15 The Impact of the Hospital Course on Neurodevelopmental Outcomes.

Anesthesia, Sedatives and Narcotics: Dean Andropoulos (US)

Surgery and Intensive Care: Gil Wernovsky (US)

09:15 – 09:30 Discussion

09:30 - 09:45 Break

Fetal Imaging:

Moderators: Gurleen Sharland (UK) and Gurur Biliciler-Denktaş (US)

09:45 – 10:05 Early pregnancy scan markers: how reliable are they for fetal cardiac anomaly diagnosis?

Julene Carvalho (UK)

10:05 – 10:25 Clues to fetal cardiac disease during screening.

Renate Oberhoffer (Germany)

10:25 – 10:45 Chamber asymmetry- differential diagnosis, progression, and long-term outcome.

Regina Lantin-Hermoso (US)

10:45 – 11:05 Abnormal outflow tracts- differential diagnosis, progression, and long-term outcome.

Gurleen Sharland (UK)

11:05 – 11:15 Discussion

Pick up Lunches and Return to Working Group

Fetal Physiology: Working Lunch Box Lunch

Moderators: Jim Huhta (US) and Regina Lantin (US)

- 11:30 – 11:50** **What is the most reliable method to assess cardiac systolic and diastolic function in the fetus: FS, EF, TDI, Strain, MPI, MAPSE, TAPSE or others?**
Lisa Hornberger (Canada)
- 11:50 – 12:10** **Cardiomyopathies and perinatal management.**
John Simpson (UK)
- 12:10 – 13:10** **Interesting cases & Discussion.**
Gurur Biliciler-Denktaş
Julene Carvalho
Ulrike Herberg,
Michael Puchalski
Orhan Uzun
Birgül Varan

Fetal Physiology:

Moderators: Regina Lantin-Hermoso (US) and María del Mar Gil (Spain)

- 13:30 – 13:50** **Twin to twin transfusion syndrome- obstetric and fetal cardiology management and long-term outcomes.**
Anita Moon-Grady (US)
- 13:50 – 14:10** **Fetal Hydrops: When the heart is involved.**
James Huhta (US)
- 14:10 – 14:30** **Investigation and Doppler assessment of placental insufficiency, fetal distress and fetal anemia.**
María del Mar Gil (Spain)
- 14:30 – 14:40** **Discussion**

Fetal Rhythm

Moderators: Ulrike Herberg (Germany) and Birgul Varan (Turkey)

- 14:40 – 14:55** **Fetal supraventricular tachyarrhythmias: comparison of monotherapy with combination therapies.**
Orhan Uzun (UK)
- 14:55 – 15:10** **Fetal bradyarrhythmias: diagnosis and treatment.**
Bettina Cuneo (US)
- 15:10 – 15:25** **Fetal ventricular arrhythmias: diagnosis and treatment and use of the Fetal Magnetocardiogram.**
Janette Strasburger (US)
- 15:25 – 15:40** **Discussion**

Neurodevelopmental and Psychosocial Issues in Congenital Heart Disease Survivors in the 21st Century: The Journey from the Fetus to the ACHD Survivor

Welcome Speech: Gurur Biliciler-Denktaş (US)

Fetal & Neurodevelopment: Joint Session with Fetal Cardiology at Meeting Room 4

Moderators: Brad Marino (US) and Dean Andropoulos (US) and Gurur Biliciler Denktas (US)

08:00 – 08:15 The Neurodevelopmental Phenotype.

Jane Newburger (US)

08:15 – 08:30 Fetal CNS oxygen delivery in the face of complex CHD.

Ismee Williams (US)

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Jack Rychik (US)

08:45 – 09:00 Counseling and - how do you answer the question “Doctor, what would you do if it were your child?”

Roxanne Kirsch (Canada)

09:00 – 09:15 The Impact of the Hospital Course on Neurodevelopmental Outcomes.

Anesthesia, Sedatives and Narcotics: Dean Andropoulos (US)

Surgery and Intensive Care: Gil Wernovsky (US)

09:15 – 09:30 Discussion**CHD Survivor Risk Stratification, identification, and Evaluation:**

Moderators: Gil Wernovsky (US) and Frank Casey (Ireland)

09:45 – 10:05 Guidelines - Risk Stratification, Identification.

Bradley Marino (US)

10:05 – 10:25 Evaluation Infant, child, young adult, adult.

Beatrice Latal (Switzerland)

10:25 – 10:45 Evaluation of the at-risk family of the CHD Survivor.

Kathy Mussatto (US)

10:45 – 11:15 Discussion

Featured Lunch Speakers: Neurodevelopmental and Psychosocial Phenotype in Children and Adolescents and the ACHD Population and Its Implications on Quality of Life:

Moderators: Jo Wray (UK) and Jane Somerville (UK)

- 11:30 – 11:50 Neurodevelopmental and Psychosocial Predictors of QOL in Children and Adolescents**
Bradley Marino (US)
Jo Wray (UK)
- 11:50 – 12:10 Neurodevelopmental and Psychosocial Phenotype in ACHD survivors**
Adriene Kovacs (US/Canada)
- 12:10 – 12:30 The Aging Brain in the ACHD Patient.**
Ariane Marelli (Canada)
- 12:30 – 13:00 Discussion**

Models of Treatment – Infant/Young Child and School Age/Young Adult:

Moderators: Beatrice Latal (Switzerland) and John Beca (New Zealand)

- 13:20 – 13:30 North America**
Kathy Mussatto (US)
- 13:30 – 13:40 North America II**
Gwen Bond (Canada)
- 13:40 – 13:50 Europe I**
Frank Casey (UK)
- 13:50 – 14:00 Europe II**
Hedwig Hövels-Gurich (Germany)
- 14:00 – 14:10 Australia/New Zealand**
John Beca (New Zealand)
- 14:10 – 14:20 Japan**
Fukiko Ichida (Japan)
- 14:20 – 14:30 India**
Parvathi Iyer (India)
- 14:30 – 14:40 Africa**
Darshan Reddy (KwaZulu Natal)
- 14:40 – 14:50 Early Detection Tools**
Jo Wray (UK)
- 14:50 – 15:05 Future Directions**
Beatrice Latal (Switzerland)
- 15:05-15:30 Wrap-up**
Bradley Marino and Gil Wernovsky

Moderators: Anthony Chang (US) and Peter Laussen (Canada)

- 13:30 – 13:50** **Pediatric Cardiology and Cardiac Surgery in 2040**
Anthony Chang (US)
- 13:50 – 14:10** **Pediatric Cardiac Nanomedicine**
Kevin Maher (US)
- 14:10 – 14:30** **Regenerative Medicine in Pediatric Cardiology**
Timothy Nelson (US)
- 14:30 – 14:50** **Data Generation and Interpretation in the Cardiac ICU**
Peter Laussen (Canada)
- 14:50 – 15:10** **3 D Printing to Improve Surgical Planning and Health Literacy**
Juan-Carlos Muñiz (US)
- 15:10 – 15:30** **Genomic and Precision Medicine in Pediatric Cardiac Patients**
Spyro Mousses (US)
- 15:30 – 15:50** **Artificial Intelligence and the Future of Knowledge and Education in Pediatric Cardiology**
Anthony Chang (US)
- 15:50 – 16:10** **Discussion**

- 09:00 – 09:15** **Welcome & Introduction to the IQIC**
Kathy Jenkins (US)

Development of the Nursing Team:

Moderator: Patricia Hickey (US)

- 09:15 – 09:30** **Introduction**
Patricia Hickey (US)
- 09:15 – 09:30** **Perspective: Nurse Educator**
Bruna Cury (Brazil)
- 09:35 – 09:45** **Nurse Driven Removal Chest Drain**
Anida Elias (Malaysia)
- 09:45 – 09:55** **Nurse Practitioner Program in a Developing Country Congenital Cardiac Surgery Program**
Qalab Abbas (Pakistan)
Tahira Faiz (Pakistan)
- 09:55 – 10:05** **Medical Art Therapy for Symptom Relief and Coping with Procedures for Children with Congenital Heart Defects Undergoing Cardiac Surgery**
Ekaterina Anikeeva (Russia)
- 10:05 – 10:45** **Panel Discussion**

Strategies for Infection Reduction:

10:45 – 10:55 Leading Practices in Infection Prevention
Debra Morrow (US)

10:55 – 11:05 Strategies Implemented at Site
Orlando Tamariz (Mexico)

11:05 – 11:15 Strategies Implemented at Site
Kiarelle Penaforte (Brazil)

11:15 – 12:00 Panel Discussion

12:00 – 13:30 Lunch & Storyboard Tellers

Quality Improvement Competition:

Moderators: Nestor Sandoval (Colombia) and William Novick (US)

13:30 – 13:45 Impact of Pharmacist-lead Antibiotic Stewardship Program in a PICU of Low-middle Income Country
Qalab Abbas (Pakistan)

13:45 – 14:00 Management of a Quality Improvement Group to Decrease Infections in a Pediatric Cardiovascular Intensive Care Unit
Bruna Cury (Brazil)

14:00 – 14:15 Quality Improvement: Minimizing Unplanned Extubations in Pediatric Intensive Care Unit at Institut Jantung " Negara
Yogeswary Muniandy (Malaysia)

14:15 – 14:30 Reduction of Post Extubation Stridor following Pediatric Cardiac Surgery
Amitabh Sen (India)

IQIC Learning Session Conclusion:

14:30 – 14:45 Nutrition
Titus Chan (US)

14:45 – 14:50 Global Estimates of CHD and Malnutrition
Meghan Small Zimmerman (US)

14:50 – 14:55 Nutrition as a Key Driver
Kathy Jenkins (US) and Patricia Hickey (US)

14:55 – 15:00 Wrap-Up and Moving Forward
Kathy Jenkins (US)

Organized by the International Society for Nomenclature of Paediatric and Congenital Heart Disease

Moderator: Rodney Franklin (UK)

- 13:00 – 13:05** **Welcome & Goals for the Summit**
Vera D Aiello (Brazil)
- 13:05 – 13:20** **At last, a globally usable WHO classification of CHD through ICD-11. Linking the International Paediatric & Congenital Cardiac Code to ICD-11**
Rodney Franklin (UK)
- 13:20 – 13:40** **Where we are now: a 7 year voyage to reach 319 diagnostic terms for congenital cardiology**
Steven D. Colan (US)
- 13:40 – 13:55** **Navigating the ICD-11 congenital heart disease tree: The segmental sequential approach**
Marie J Beland (Canada)
- 13:55 – 14:15** **Holes between the ventricles: the most debated classification. Has the conundrum been solved?**
Leo Lopez (US)
- 14:15 – 14:35** **BREAK**
- 14:35 – 14:55** **Illustrating ICD-11 through the virtual world atlas of congenital heart disease: Archiving Working Group of ISNPCHD**
James D. St. Louis (US)
- 14:55 – 15:10** **Lost in Translation: The challenge of translating CHD terms from English to the Romance languages**
Lucile Houyel (France)
- 15:10 – 15:25** **Presenting a global consensus on the nomenclature & classification of electrophysiology for ICD-11**
Ronn E. Tanel (US)
- 15:25 – 15:40** **Finally, a data dictionary for the pediatric / congenital cardiology clinic. ACCF/AHA Data Standards for the Electronic Health Record**
Jeffrey R. Boris (US)
- 15:40 – 16:00** **ISNPCHD: Current and future projects**
Panel Discussion
Rodney CG Franklin and All Speakers

PRE-CONFERENCE: Pediatric Sports Cardiology

Organizers: Chair: Guido Pieles (UK) Co-Chair Marta Sitges (UK) and Co-Chair Orhan Uzun (UK)

Location: Sports Auditorium (**capacity: 200 people, pre-registration required**) at Stadium Camp Nou (FC Barcelona)

Sponsors: Toshiba Medical Systems Spain and Europe
Football Club Barcelona

Physiological Concepts of Cardiac Adaptation in the Elite Childhood Athlete and Epidemiology

Moderator: Mat Wilson (Qatar) and Guido Pieles (UK)

08:00 – 08:20 Registration and Reception

08:30 – 08:50 Epidemiology and Causes of Sudden Cardiac Death in Childhood Athletes
Orhan Uzun (US)

08:50 – 09:10 Cardiac Adaptation to Elite Training – cardio-mechanics and physiology
Bart Bijnens (Spain)

09:10 – 09:30 Cardio-pulmonary and Muscular Training Adaptations in Children
Craig Williams (UK)

Assessments of the Paediatric Athlete - Diagnostic Tools and Technics

Moderator: Orhan Uzun (UK) and Josep Brugada (Spain)

09:30 - 09:50 Differentiating Benign from Pathological ECG Patterns
Mat Wilson (Qatar)

09:50-10:10 Echocardiographic Assessment of the Childhood Athlete
Marta Sitges (Spain)

10:10- 10:30 Secondary Screening Assessment (CPET, MRI)
Luis Serratosa (Spain)

10:30 -10:50 The Role of CMR as Secondary Assessment Tool
Mark Hamilton (UK)

10:50-11:20 Coffee and Refreshment Break

Cardiac Pathologies in the Childhood Athlete

Moderator: Salim Idriss (US) and Sanjay Sharma (UK)

- | | |
|--------------------|--|
| 11:20-11:40 | Arrhythmia Syndromes
Josep Brugada (Spain) |
| 11:40-12:00 | ARVC and Cardiomyopathies
Guido Pieles (UK) |
| 12:00-12:20 | Atrial and Ventricular Arrhythmias
Georgia Sarquella-Brugada (Spain) |
| 12:20-12:40 | Athletes with Congenital Heart Disease
Graham Stuart (UK) |
| 12:40-13:40 | Lunch Break |

Organization of Monitoring and Medical Care for the Childhood Athlete

Moderator: Guido Pieles (UK), Gil Rodas (Spain) and Luis Serratosa (Spain)

- | | |
|---------------------|--|
| 13:40-14:00 | Developing Medical Care Set ups in Elite Youth Academies
Diane Ryding (UK) |
| 14:00-14:20 | Secondary Prevention and Cardiac Safety in Elite Sport
Luis Serratosa (Spain) |
| 14:20 -14:40 | Screening and Monitoring Pathways – Learning from the Adults
Sanjay Sharma (UK) |
| 14:40 -14:50 | Conclusion
Marta Sitges (Spain) and Guido Pieles (UK) |
| 15:00 | BUSES DEPART Camp Nou Stadium and Travel Back to Centre Convencions Internacional de Barcelona (CCIB) |

OPENING CEREMONY & WELCOME RECEPTION

16:30 – 16:45 Welcome and Opening Remarks, Dr.Sertaç Çiçek
16:45 – 16:55 Speech of Ms. Mercè Sendra Grau
16:55 – 17:10 “Advancing the Field Through Partnerships with Congenital Heart Patients and Families”, Mr. Scott Leezer
17:10 – 17:40 Dr.Zafer Mutlu & Rustam Rahmedov Performance

17:45 – 18:45 Welcome Reception

Banquet Hall Terrace

Monday July 17, 2017

OPENING PLENARY

AUDITORIUM

Moderators: Sertaç Çiçek (Turkey) and Levent Saltık (Turkey)

08:30 – 09:30 Bridging Together: Teamwork in Caring for the Family Touched By CHD
Richard Jonas (US)

09:30 – 10:00 Break

SURGERY: CONGENITAL AND ACQUIRED CORONARY ANOMALIES

MEETING ROOM 4

Presented in Association with WSPCHS

Moderator: Hiromi Kurosawa (Japan) and Christo Tchervenkov (Canada)

10:00 – 10:20 Anomalous Aortic Origin of Coronary Artery (AAOCA): Natural History, Surgical Indications and Outcome
Julie Brothers (US)

10:20 – 10:40 Anomalous Left Coronary Artery from the Pulmonary Artery (ALCAPA): Surgical options and outcomes
Emre Belli (France)

10:40 – 11:00 Arterial Switch Operation for Transposition with Intramural Coronary Arteries
Kirsten Finucane (New Zealand)

11:00 – 11:20 PA/IVS with RV Dependent Coronary Circulation: Surgical Options and Outcomes
James St. Louis (US)

11:20 – 11:40 Kawasaki Disease: Surgical Indications
Masami Ochi (Japan)
Hiromi Kurosawa (Japan)

11:40 – 12:00 Discussion

SURGERY II: SURGICAL ABSTRACT SESSION #1

MEETING ROOM 14

Moderators: Ram Kumar Subramanyan (US) and Numan Ali Aydemir (Turkey)

10:00 - 10:10 O2556 - Continuous Metabolic Monitoring Allows Tapering of Normothermic and Hypothermic Cardiopulmonary Bypass During Open-Heart Repair in Infancy
Riccardo Giuseppe Abbasciano (Italy)

10:10 – 10:20 O2042 - Successful Management Strategies for the High Risk Fontan in the Setting of Hypoplastic Left Heart Syndrome
Safak Alpat (UK)

10:20 – 10:30	O1734 - Timing of Elective Bidirectional Glenn Shunt: Is Early Better? Lauren Kane (US)
10:30 - 10:40	O2638 - Is Bilateral Glenn a Risk Factor Prior to Fontan Completion? Eitan Keizman (Israel)
10:40 - 10:50	O1172 - Diamond Shape Anterior Leaflet Reconstruction for Severe Mitral Regurgitation Juan R. Leon Wyss (Dominican Republic)
10:50 - 11:00	O2145 - Clinical Outcome Of Contemporary Extracardiac Conduit Total Cavopulmonary Connection: A 15-Year Single-Center Experience Lu Rui (China)
11:00 - 11:10	O2093 - Risk for and Outcomes of Peri-Operative Stroke Associated with the Fontan Procedure Billie-Jean Martin (Canada)
11:10 – 11:20	O2259 - Early Outcome of Fontan Operation Based on Age: Experience of Tertiary Cardiovascular Care in Indonesia Maha Fitra Nasiruddin (Indonesia)
11:20 - 11:30	O2320 - Total Anomalous Pulmonary Venous Connection: Improved Early Outcomes with an Alternate Management Strategy Kuntal Roy Chowdhuri (India)
11:30 - 11:40	O3025 - Is There any Adverse Effect After Systemic – To-Pulmonary Artery Shunt in Patients with Biventricular Circulation? :24 Years – Experience at Okayama University Shunji Sano (US)
11:40 - 11:50	O2109 - Augmentation of the Pulmonary Arteries is not Associated with Worse Longer-Term Outcome: A Propensity Matched Analysis from the Australia and New Zealand Fontan Registry Lauren Shearer (Australia)
11:50 - 12:00	O1247 - Minimally Invasive Off-Pump Transthoracic Device Closure of Isolated Ventricular Septal Defect: 10-Year Experience Qin Wu (China)

INTERVENTIONAL CARDIOLOGY: INTERVENTIONS FOR HEART FAILURE

AUDITORIUM

Welcome: Levent Saltık & Ziyad M. Hijazi

Moderators: Levent Saltık (Turkey), Damien Kenny (Ireland), Ralf Holzer (US), Joe Rossano (US)

Panelists: Gianfranco Butera (Italy), Geoffrey Lane (Australia), Hideshi Tomita (Japan)

10:00 – 10:40	Live Case #1 (Columbus, OH)
10:40 – 11:00	Remote Monitoring and Transcatheter Therapy for Heart Failure Patients: Applications to Children and CHD Patients: Tom Jones (US)
11:00 – 11:20	Interventions on Patients on ECMO: Timing, Clinical Impact and Outcomes: Ralf Holzer (US)
11:20 – 11:40	Interventions on Patients with Pulmonary Arterial Hypertension: Kevin Walsh (Ireland)

11:40 – 12:00 **Transcatheter Ventricular Assist Devices:**
Vivian Dimas (US)

IMAGING: THE BASICS OF ADVANCED IMAGING

MEETING ROOM 1

Moderators: Luc Mertens (Canada) and Gerry Marx (US)

10:00 – 10:20 **Basic 3D Echo**
Girish Shirali (US)

10:20 – 10:40 **Strain Twist & Torsion**
Bart Bijmens (Spain)

10:40 – 11:00 **Basic Cardiac MRI**
Andy Powell (US)

11:00 – 11:20 **Basic Cardiac CT**
Anthony Hlavecek (US)

11:20 – 11:40 **Assessing Diastolic Function in 2017**
Luc Mertens (Canada)

11:40 – 12:00 **LV and RV Volumes: MRI vs. 3D comparison of reliability**
Emanuella Valsangiocomo (Switzerland)

INTENSIVE CARE: LEADERSHIP, PERFORMANCE IMPROVEMENT AND TEAMWORK AS THE ROADMAP TO ACHIEVING EXCELLENT OUTCOMES IN THE CICU

MEETING ROOM 6

Moderators: Allan Goldman (UK) and Geoff Bird (US)

10:00 – 10:20 **Safety Culture in the CICU**
Darren Klugman (US)

10:20 – 10:40 **Weekly performance rounds – managing threat and error after cardiac surgery**
Steve Schwartz (Canada)

10:40 – 11:00 **Leadership & Creating high reliability teams in the CICU**
Dan Penny (US)

11:00 – 11:20 **Managing the “special” clinician**
David Cooper (US)

11:20 – 11:40 **Maintaining team resilience and avoiding team burnout**
Geoffrey Bird (US)

11:40 – 12:00 **Discussion**

Moderators: Folkert Meijboom (Belgium) and Erwin Oechslin (Canada)

- 10:00 – 10:10 O1309 - Congenital Heart Disease and Risk of Infections in the Central Nervous System**
Carina Bagge (Denmark)
- 10:10 – 10:20 O1751 - Management Errors in Adults with Congenital Heart Disease – Prevalence, Sources and Consequences**
Rachael Cordin (Australia)
- 10:20 – 10:30 O1502 - Expectations for Survival and Complications for Fontan Patients Who Transition to Adult Chd Care**
Mark Dennis (Australia)
- 10:30 – 10:40 O1571 - Myocardial Perfusion Abnormality by SPECT Imaging Correlates with Ventricular Mechano-Electrical Property in Adult with Congenital Heart Disease**
Mitsuhiro Fujino (Japan)
- 10:40 – 10:50 O2924 - Systolic Blood Pressure Response and Arrhythmia During Exercise Predict Pregnancy Outcome in Women with Congenital Heart Disease**
Midori Fukuyama (Japan)
- 10:50 – 11:00 O1582 - Familial Co-Occurrence of Congenital Heart Defects Follows Distinct Patterns**
Sabrina Gade Ellesoe (Denmark)
- 11:00 – 11:15 How does the Fontan fail in the adult?**
Joost P. van Melle (Netherlands)
- 11:15 – 11:30 What does invasive exercise testing teach us about Fontan physiology?**
Sasha (Alexander) Opotowsky (US)
- 11:30 – 11:45 Treatment options for the Failing Fontan circulation – can we target the pulmonary vascular bed and/or diastolic dysfunction?**
Lars Sondergaard (Denmark)
- 11:45 – 12:00 Fontan Associated Liver Disease (FALD) – what is the optimum therapy beyond transplantation (case-based teaching)?**
Gruschen Veldtman (US)

Welcome EP Session: Alpay Çeliker (Turkey)

Moderators Abstract Session: Alpay Celiker (Turkey) and George Van Hare (US)

- 10:00 – 10:10 O2658 - Electro-Mechanical Dysfunction in Tuberous Sclerosis Complex: Role for Arrhythmogenic Risk Prediction and Treatment Options**
Carles Bautista (Spain)
- 10:10 – 10:20 O2730 - Comparative Analysis Between Electro and Echocardiographic Findings of Poor Prognosis After Total Correction for Tetralogy of Fallot**
Raimundo Amorim Junior (Brazil)
- 10:20 – 10:30 O2406 - Risk Stratification for Arrhythmias in Pediatric Hypertrophic Cardiomyopathy**
Emanuel Kaltenecker (Germany)

10:30 – 10:40 **O2053 - Clinical and Hemodynamic Associations in Infants, Toddlers and Preschool Children**
Igor Kovalev (Russia)

10:40 – 10:50 **O2456 - Cardiac Rhythm Disturbances in Heterotaxy Syndrome**
Yui Nishikawa (Japan)

10:50 – 11:00 **Discussion**

Moderators: Alpay Celiker (Turkey) and Juan Villafane (US)

11:00 – 11:20 **Predicting Outcomes for Neonates with Congenital Heart Block: Beware the Presence of endocardial fibroelastosis**
Hisaki Aoki (Japan)

11:20 – 11:40 **Neonatal Arrhythmias: Beware the Channelopathy; Risks for Sudden Cardiac Death**
Hitoshi Horigome (Japan)

11:40 – 12:00 **Does Fetal SVT Predict The Need for Neonatal Treatment?**
Elizabeth Stephenson (Canada)

ANESTHESIA: BLEEDING & COAGULATION

MEETING ROOM 7

Moderators: Emad Mossad (US) and David Vener(US)

10:00 – 10:40 **Stop the bleeding! Monitoring of the coagulation system intra-operatively and the use of blood product protocols during congenital cardiac surgery should be a standard of care**
Pro: Nina Guzzetta (US)
Con: David Faraoni (Belgium)
Rebuttals & Panel Discussion

10:40 – 11:00 **Do anti-fibrinolytic drugs improve outcomes in children having congenital cardiac surgery?**
Michael Eaton (US)

11:00 -11:20 **What's new to help stop bleeding in the cardiac operating room?**
Phil Arnold (UK)

11:20 – 11:40 **Balance of bleeding on ECMO and VAD**
Warwick Ames (US)

11:40 – 12:00 **Discussion**

TRANSPLANT & HEART FAILURE: 50 YEARS OF TRANSPLANTATION, WHAT ARE BEST PRACTICES? **MEETING ROOM 5**

Moderators: F. Bennett Pearce (US) and Roland Hetzer (Germany)

10:00 – 10:20 **Management of the Sensitized Pre- and Post-Transplant Patient**
Steve Webber (US)

10:20 – 10:40 **Surveillance Biopsies – do we still need them?**
Francesco Parisi (Italy)

10:40 – 11:00 **Management of Coronary Artery Vasculopathy – State of the Art**
Elfriede Pahl (US)

- 11:00 – 11:20** **Listing for Re-Transplantation: Indications and Outcomes.**
Anne Dipchand (Canada)
- 11:20 – 11:40** **When a Heart Transplant isn't enough when are a Kidney or Liver Needed?**
Jonathan Johnson (US)
- 11:40 – 12:00** **Discussion**

AMBULATORY: THE PRACTICE OF PEDIATRIC CARDIOLOGY

MEETING ROOM 2

Moderators: Andrew Redington (US) and Deniz Oguz (Turkey)

- 10:00 – 10:20** **Neurodevelopmental clinics: Who needs to go, when, and what is in it for my child?**
Beatrice Latal (Switzerland)
- 10:20 – 10:40** **Common pediatric problems still occur in children with CHD: Immunizations & noncardiac surgery.**
LuAnn Minich (US)
- 10:40 – 11:00** **Etiology of and treatment of essential hypertension**
Elaine Urbina (US)
- 11:00 – 11:20** **Anticoagulation in heart disease in children and adolescents**
Terese Giglia (US)
- 11:20 – 11:40** **Smoking, passive smoke and e-cigarettes**
Eero Jokinen (Finland)
- 11:40 – 12:00** **Discussion**

HUMANITARIAN: IT TAKES A VILLAGE: COLLABORATION & COOPERATION TO CREATE SUSTAINABLE PROGRAMS

MEETING ROOM 8

Moderators: Allison Cabalka (US) and Francois Lacour Gayet (France)

- 10:00 – 10:15** **Gift of Life International**
Rob Raylman (Chief Executive Officer, Gift of Life International)
- 10:15 – 10:30** **Chain of Hope**
Shakel Quereshi (UK) and and Lucy Ossack (UK)
- 10:30 – 10:45** **The Concept of Twinning Programs**
James Hammel (US)
- 10:45 – 11:00** **Humanitarian surgical missions have delivered on their promise.**
Alessandro Frigiola (Italy)
- 11:00 – 11:15** **Strategies for Successful Surgery in Developing Countries**
Giovanni Stellin (Italy)
- 11:15 – 11:30** **Lessons from Two Decades of Pediatric Heart Surgery in Developing Countries**
Francois Lacour Gayet (Oman)
- 11:30 – 12:00** **Panel Discussion**

Moderators: Martin Elliott (UK) and Robert Campbell (US)

How should we fund pediatric and congenital cardiac care?

- | | |
|----------------------|---|
| 10:00 – 10:20 | Model 1: Total public funding free at the level of delivery (UK, Scandinavia)
Martin Elliott (UK) |
| 10:20 – 10:40 | Model 2: Insurance Based (Germany, USA, India)
Robert Campbell (US) |
| 10:40 – 11:00 | Model 3: Completely Private (China)
Lianyi Wang (China) |
| 11:00 – 11:30 | Keeping costs down
Krishna Iyer (India) |
| 11:30-12:00 | Discussion |

PERFUSION: NOVEL CONCEPTS IN PEDIATRIC PERFUSION

MEETING ROOM 11

Moderators: Alexander Kadner (Switzerland), Michael Parpard (US)

- | | |
|----------------------|--|
| 10:00 -10:20 | Evaluation of neonatal oxygenators with or without integrated arterial filters
Serdar Gunaydin (Turkey) |
| 10:20 – 10:40 | Novel trends in ECMO technology for pediatric support
Terence Gourlay (UK) |
| 10:40 – 11:00 | Update in pediatric cardiac assist devices
Stanislav Ovroutski (Germany) |
| 11:00 – 11:20 | The use of blood and strategies of blood conservation in complex congenital heart surgery
Alexander Kadner (Switzerland) |
| 11:20 – 11:40 | Safety & Quality Improvement in pediatric perfusion
Michael Parpard (US) |
| 11:40 – 12:00 | Discussion |

12:00 – 13:30 Lunch (Exhibition Hall)

POSTER SESSIONS FOR ICU & INTERVENTIONAL CARDIOLOGY

08:00 -10:00	Posters to be Put Up
13:30 -15:30	Presenters to be Present
13:30 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

SURGERY: HYPOPLASTIC LEFT HEART SYNDROME

MEETING ROOM 4

Moderators: James Tweddell (US) and Victor Tsang (UK)

Presented in Association with WSPCHS

13:30 – 13:50	Norwood Operation with Systemic Pulmonary Shunt Thomas Spray (US)
13:50 – 14:10	Norwood Operation with Right Ventricular to Pulmonary Artery Conduit Shunji Sano (Japan)
14:10 – 14:30	Hybrid Procedures for HLHS Hakan Akintürk (Germany)
14:30 – 14:50	Norwood Outcomes: Is it Surgeon, Institution or Volumes? What Drives a Successful Single Ventricle Program? Emile Bacha (US)
14:50 – 15:10	Biventricular Repair for HLHS Christo Tchervenkov (Canada)
15:10 – 15:20	The Role of Transplantation for HLHS James Kirklin (US)
15:20 – 15:30	Discussion

INTERVENTIONAL CARDIOLOGY: INTERVENTIONS FOR THE DYSFUNCTIONAL RVOT

AUDITORIUM

Presented in Association with PICS

Moderators: Carlos Pedra (Italy) and Mario Carminati (Italy)

Panelists: Nazan Ozbarlas (Turkey), Aimee Armstrong (US), Ravi Chadavurdi, Maiy El Sayed (Egypt)

13:30 – 14:00	Live Case # 2 (Columbus, OH)
14:00 – 14:20	RVOT Interventions in small babies: Planning for the Future (10 mins each) Surgical Perspective: David Barron (UK) Interventional Perspective: Jo DeGiovanni (UK)
14:20 – 14:35	Perspectives on over 15 Years of Transcatheter Pulmonary Valve Replacement: Impact of the Learning Curve on Clinical Outcomes: Felix Berger(Germany)
14:35 – 14:55	Pushing the Boundary on the Native RVOT (10 mins each): Turkish Experience: Ahmet Celebi (Turkey) Saudi Experience: Mansour AlJufan (Saudi Arabia)
14:55 – 15:05	Clinical Outcomes with Self-Expanding Pulmonary Valve Systems: Ziyad M. Hijazi (Qatar)

15:05 – 15:20 **Managing the complex PA branch stenosis in the setting of percutaneous pulmonary valve implantation: Technical considerations.**
Felix Berger (Germany)

15:20 – 15:30 **Discussion**

INTERVENTIONAL CARDIOLOGY II: ABSTRACT SESSION

MEETING ROOM 10

Moderators: Wail Alkashkari (Saudi Arabia) and Seong-Ho Kim (Korea)

14:00 - 14:10 **O1433 - Transcatheter Closure of Patent Ductus Arteriosus Under Echocardiographic Guidance**
Jassim Abdulhamed (Saudi Arabia)

14:10 - 14:20 **O2522 - Radiation in Congenital Cardiac Interventions: Eleven Years of Experience in a Tertiary Centre**
Srinivas Ananth Narayan (UK)

14:20 - 14:30 **O2110 - Transcatheter Closure of the Patent Ductus Arteriosus in Premature Infants is an Effective Alternative to Video Assisted Thoracoscopic Surgical Closure**
John Breinholt (US)

14:30 - 14:40 **O2568 - Andrastent XI Implantation for the Treatment of Coarctation of the Aorta: Immediate and Midterm Results**
Orhan Bulut (Turkey)

14:40 - 14:50 **O2156 - Cheatham-Platinum Covered Stent in Aortic Coarctation: 13-Years Single Center Experience and Follow-Up**
Gianfranco Butera (Italy)

14:50 - 15:00 **O2359 - Transcatheter Closure of Coronary Artery Fistulas; Single Center Experience in 9 Years Period**
Ahmet Celebi (Turkey)

IMAGING: FRONTIERS IN ADVANCED IMAGING: WHERE WE NEED TO GO

MEETING ROOM 1

Moderators: Luc Mertens (Canada)

13:30 – 13:50 **Advanced 3D Echo**
John Simpson (UK)

13:50 – 14:10 **3D Printing & Holograms**
Elchanan Bruckheimer (Israel)

14:10 – 14:30 **Advanced Cardiac Strain Analysis**
Yiu-fai Cheung (Hong Kong)

14:30 – 14:50 **Advanced CT and MRI, 3D, 4D, is there a 5D soon?**
Israel Valverde (Spain/UK)

14:50 – 15:10 **Cardiac Computer Modeling for Surgical Planning**
Ajit Yoganathan (US)

15:10 – 15:30 **Systolic and Diastolic Function: Which Indices Provide the Most Accurate Assessment?**
Steven Colan (US)

AMBULATORY POTPOURRI: WHEN TO WORRY?

MEETING ROOM 2

Moderators: Frank Cetta (US) and Konrad Brockmeier (Germany)

- 13:30 – 13:45** **Drugs that effect the QT, why does this happen and when to worry?**
Jonathan Skinner (New Zealand)
- 13:45 – 14:00** **PVC's in the structurally normal heart: what workup is needed so I do not worry?**
Alpay Celiker (Turkey)
- 14:00 – 14:15** **Tachycardia: Subtleties of ectopic atrial tachycardia – avoiding tachycardia cardiomyopathy**
Ferran Rosés i Noguera (Spain)
- 14:15 – 14:30** **Congenital Heart Disease Screening: Is Pulse Oximetry Enough?**
Matt Oster (US)
- 14:30 – 14:45** **Liberalizing exercise restrictions and safety letting children with CHD play**
Luis Serratos (Spain)
- 14:45 – 15:00** **How to Best Assess the RV and LV myocardial performance after TOF and VSD repair?**
Andrew Redington (US)
- 15:00 – 15:15** **Is that Left Ventricular Hypertrophy or HCM in my athletic patient?**
Michael Papadakis (UK)
- 15:15 – 15:30** **Discussion**

ACHD: ARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE (ACHD): DO WE HAVE ANSWERS?

MEETING ROOM 9

Moderators: Lucy Roche (Canada) and Ron Kanter (US) and Joachim Hebe (Germany)

- 13:30 – 13:40** **O2845 - Peri-Operative Management of Heart Transplantation in Adult Failing Fontan Patients**
Andras Kelecsenyi (UK)
- 13:40 - 13:50** **O2043 - Burden of, and Risk Factors for Acute Kidney Injury in Adults with Congenital Heart Disease Undergoing Cardiac Surgery**
Rohit Loomba (US)
- 13:50 - 14:00** **O1351 - Surgical Strategies of Pulmonary Valve Replacement as Re-Do Procedure in Patients with Congenital Heart Disease**
Sabrina Lueck (Germany)
- 14:00 - 14:10** **O2215 - Incidence and 30-Day Mortality of Pneumonia-Related Hospitalization in Congenital Heart Disease Adults Compared with the General Population: A Nationwide Cohort Study**
Nicolas Madsen (US)
- 14:10 - 14:15** **Discussion**
- 14:15 – 14:30** **Should anticoagulants routinely be prescribed to adults with CHD and atrial tachyarrhythmias?**
AS Jensen (Denmark)

- 14:30 – 14:45** **Should a pacemaker be implanted for asymptomatic sinus bradycardia in complex ACHD patients?**
Mitchell Cohen (US)
- 14:45 – 15:00** **Is a primary prevention ICD indicated in patients with a dysfunctional systemic right ventricle or single ventricle?**
Mike Silka (US)
- 15:00 – 15:15** **Resynchronizing the Failing Pulmonary Right Ventricle**
Jan Janousek (Czech Republic)
- 15:15 – 15:30** **Should Catheter Ablation Be the First Line of Therapy in Atrial Arrhythmias in ACHD Patients?**
Natasja de Groot (Belgium)

ELECTROPHYSIOLOGY: CHALLENGES & DILEMMAS IN PEDIATRIC SYNCOPE

MEETING ROOM 3

Moderators: Naokata Sumitomo (Japan), and John Papagianis (US/Greece)

- 13:30 – 13:45** **Postural Orthostatic Tachycardia, or something else?-avoiding misdiagnosis**
Jeffrey Boris (US)
- 13:45 – 14:00** **New Treatment for Autonomic Syndromes**
Sérgio Laranjo (Portugal)
- 14:00 – 14:15** **Implantable Loop Recorders – Under or Over-Utilized?**
Maria Cecilia Gonzalez (Belgium)
- 14:15 – 14:30** **Is there Merit in Translating Adult Syncope Units to Children?**
Fabrizio Drago (Italy)
- 14:30 – 14:45** **Syncope in Patients with Channelopathies: Reacting but NOT Overreacting**
Andreas Pflaumer (Australia)
- 14:45 – 15:30** **Challenging Syncope Cases for the Cardiologist: (15 minutes each)**
Eric Rosenthal (UK)
Jun Yoshimoto (Japan)
Lazlo Kornyei (Hungary)

NURSING: SHARING RESOURCES- A GLOBAL EXPERIENCE

MEETING ROOM 7

Moderators: Lisa Moore (US) and Jason Thornton (US)

- 13:30 – 14:10** **DEBATE: Building Sustainable Programs vs. Medical Missions**
Building Sustainable Programs: Harald Lindberg (Norway)
Medical Missions: Gabe Owens (US)
- 14:10 – 14:30** **Developing Resources for Nursing Education**
Developed World: Cecelia Hyslop (Canada)
Developing World: Claudia Scanzoni (Venezuela)
- 14:30 – 14:50** **Nurses Educating Beyond the Classroom**
Nursing guidelines: Mary Rummell (US)
PICU Nursing Residency Program: Rohini Paul (India)
- 14:50 – 15:10** **Providing Cardiac Surgery Education to Families**
Suhayle Binti Sead (Malaysia)

15:10 – 15:30 Leveraging Technology to Enhance Global Education
Patricia Hickey (US)

**TRANSPLANT & HEART FAILURE:
BRIDGING TOGETHER: VENTRICULAR ASSIST DEVICE (VAD) & ICU: CONTROVERSIES**

MEETING ROOM 5

Moderators: Carl Backer (US), Steven Schwartz (Canada) and David Crossland (UK)

- 13:30 – 13:50 VADs in Challenging Patients: Approaching the Tough Cases.**
Eugen Sandica (Germany)
- 13:50 – 14:10 Making it Work: VADs in Patients with Univentricular Physiology.**
David Morales (US)
- 14:10 – 14:30 Sweating the Details: How to Select the Patient to be Weaned?**
Jennifer Conway (Canada)
- 14:30 – 14:50 Management of Common VAD Complications in the ICU**
Christina Vander Pluym (US)
- 14:50 – 15:10 Chronic VAD Therapy in Children.**
Antonio Amodeo (Italy)
- 15:10 – 15:30 What's Next: The Future of VAD Therapy in Children.**
Charles Fraser (US)

**RHEUMATIC: EPIDEMIOLOGY, PATHOGENESIS, & PREVENTION OF ACUTE
RHEUMATIC FEVER (ARF) AND RHEUMATIC HEART DISEASE (RHD)**

MEETING ROOM 6

Moderators: Ana Olga Mocumbi (Mozambique) and Alyaa Kotby (Egypt)

- 13:30 – 13:50 Novel immunological aspects in Acute Rheumatic Fever**
Luisa Guilherme (Brazil)
- 13:50 – 14:10 Genetic Susceptibility to RH**
Tom Parks (UK)
- 14:10 – 14:30 Vaccine against RF current status and future hope.**
Andrew Steer (Australia)
- 14:30 – 14:50 Penicillin: forms, supply, safety and frequency.**
Masood Sadiq (Pakistan)
- 14:50 – 15:10 RHD registries: lessons from successful registry systems.**
Nigel Wilson (New Zealand)
- 15:10 – 15:30 Discussion**

PERFUSION: CHALLENGES IN PEDIATRIC PERFUSION

MEETING ROOM 11

Moderators: Terence Gourlay (UK) and Serdar Gunaydin (Turkey)

- 13:30 - 13:50** **Pediatric Extracorporeal Circuit of the Future**
Terence Gourlay (UK)
- 13:50 – 14:10** **Novel Cardioplegia Techniques**
Alexander Kadner (Germany)
- 14:10 – 14:30** **Experimental Models for pediatric CPB research**
Serdar Gunaydin (Turkey)
- 14:30 – 14:50** **Simulation in pediatric CPB education**
Michael Parpard (US)
- 14:50 – 15:30** **Discussion**

PRECISION MEDICINE & INNOVATION: “INDIVIDUALIZED CARDIAC CARE FOR EACH AND EVERY PATIENT THROUGH PERSONALIZED COMPUTER AIDED MODELING”

MEETING ROOM 8

Moderators: Thomas Delhaas (Netherlands)

- 13:30 – 13:50** **Computational Modeling for Congenital Heart Disease: How Far Are We from Clinical Translation?**
G. Biglino (UK)
- 13:50 – 14:10** **Virtual Valve Replacement**
Titus Kühne (Germany)
- 14:10 – 14:30** **Risk-assessment in Computational Modeling to Guide Cardiac Resynchronization Therapy**
Thomas Delhaas (Netherlands)
- 14:30 – 14:50** **Computer Aided Modeling to Identify Leaky Lymphatics that could be targeted for PLE**
Yoav Dori (US)
- 14:50 – 15:10** **Discussion**

THROUGH OUR EYES: LEARNING FROM THE PATIENT/FAMILY PERSPECTIVE

MEETING ROOM 14

Sponsored by the International Congenital Heart Leadership Summit (ICHLS)

Introduction and Welcome: Amy Verstappen (US)

Moderators: Malin Berghammer (Sweden) and Amy Basken (US)

- 13:30 – 13:50** **Global ACHD QOL Study**
Philip Moons (Belgium)
- 13:50– 14:00** **QOL in Children and their Parents**
Bradley Marino (US)
- 14:00 – 14:20** **End of Life: What do Patients Want and Need?**
Noemi de Stoutz (Switzerland)
- 14:20– 14:40** **Beyond the Exam Room: Why CHD Camps Matter**
Shelagh Ross (Canada)

14:40 – 15:00 Hospital, Home, World: Three Perspectives on CHD

Dusty Pearson, PA-C (US)

15:00 – 15:30 Patient/Family QOL Panel

Panel Above Plus: Scott Leezer (US), Christy Sillman (US), Rob Lutter (US)

15:30 – 16:00 Break

FOCUSED LEARNING SESSION - SURGERY: KEYNOTE SPEAKERS

MEETING ROOM 1

Moderators: Giovanni Stellan (Italy), Hani Najm (US/Saudi Arabia)

16:00 – 16:30 Surgery for CHD: Quo Vadis?

Thomas Spray (US)

16:30 – 17:00 Adib Jatene Memorial Lecture

Marcello Jatene (Brazil)

FOCUSED LEARNING SESSION: INTENSIVE CARE & ANESTHESIA

MEETING ROOM 2

Moderators: Peter Laussen (Canada) , Mark Twite(Canada)

16:00 – 16:30 Keynote Speaker ICU: The PCICS as a Global Organization for Change

Paul Checchia (US)

16:30 – 17:00 Keynote Speaker: Anesthesia Lessons Learned from Neonates & Infants with Univentricular Hearts

Ian James (UK)

FOCUSED LEARNING SESSION: IMPROVING CARE FOR ACHD PATIENTS- CAN IT BE DONE?"MEETING ROOM 4

Moderators: Gerard Martin (US), Karen Stout (US)

16:00 – 16:20 Beyond the Heart- where do we stand?

Curt Daniels (US)

16:20 – 16:40 Improving Cardiovascular Outcomes- what is the evidence?

Ariane Marelli (Canada)

16:40 – 17:00 Panel Discussion:

Asia/Japan- Koichiro Niwa

Jörg-Ingolf Stein(Germany)

ISACCHD- Erwin Oechslin (Canada)

FOCUSED LEARNING SESSION: NURSING: SAFETY COMES FIRST!

MEETING ROOM 9

Moderators: Celia Hyslop (Canada) and Rhoni Paul (India)

- 16:00 – 16:10** **Improving Safety in the Critical Care Environment: Measurement Leads to Change**
Andrea McCormick (Canada)
- 16:10 – 16:20** **Importance of Medication Reconciliation**
Mavilde de Pedreira (Brazil)
- 16:20 – 16:30** **Don't Resuscitate: Prevent Arrest Using the Children's Hospital Early Warning Score (CHEWS)**
Mary McLellan (US)
- 16:30 – 16:40** **Communicating Effectively Across the Care Continuum**
Ashley Collins (US)
- 16:40 – 16:50** **Procedures in the ICU: Ready for the Time Out?**
Louise Callow (US)
- 16:50 – 17:00** **Ready for ECMO? Let's Check.**
Nuseybe Soylemez (Turkey)

DENTON A. COOLEY MEMORIAL SYMPOSIUM: A STATE OF ART WORKSHOP ON PEDIATRIC VAD BY TEXAS CHILDREN'S HOSPITAL

MEETING ROOM 5

- 16:00 – 16:02** **Introduction**
Patricia Bastero (US)
- 16:02 – 16:17** **Historic perspectives on Pediatric VADs.**
Charles Fraser (US)
- 16:17 – 16:32** **Medical decision making in heart failure management**
Jack Price (US)
- 16:32 – 16:47** **The new kid on the block?: Impella**
Sebastian Tume (US)
- 16:47 – 16:57** **Getting ready to go home on a VAD**
Barbara Elias(US)
- 16:57 – 17:07** **ECHO evaluation on mechanical support**
Heather Dickerson(US)
- 17:07 – 17:22** **Lack of standardization in anticoagulation: does it matter?**
Marc Anders(US)
- 17:22 – 17:27** **Break**
- 17:27 – 18:27** **Simulation based VAD and Impella activities**
Patricia Bastero (US)
- 18:27 – 18:30** **Wrap up and course evaluation**
Patricia Bastero (US)

Moderators: Hiromi Kurosawa (Japan) and David Cooper (US)

- | | |
|----------------------|--|
| 17:15 – 17:23 | Overview of Outcomes and Quality
Martin Elliott (UK) |
| 17:23 – 17:31 | Nomenclature
Rodney Franklin (UK) |
| 17:31 – 17:39 | Risk Adjustment
Marshall Jacobs (US) |
| 17:39 – 17:47 | Surgery – Databases and Quality
Jim Kirklin (US) |
| 17:47 – 17:55 | Cardiology - Databases and Quality
Gerard Martin (US) |
| 17:55 – 18:03 | Anesthesia and Critical Care - Databases and Quality
Michael Gaies (US) |
| 18:03 – 18:11 | Integrating Quality from Data
Ralf J. Holzer (US) |
| 18:11 – 18:19 | Measuring Quality in an Environment of Limited Resources.
Nestor Sandoval (Colombia) |
| 18:19 – 18:27 | Assuring and Measuring Quality Nursing
Patricia Hickey (US) |
| 18:27 – 18:35 | Lessons Learned from Linking Databases
Sara Pasquali (US) |
| 18:35 – 18:43 | Longitudinal Follow-Up
Gil Wernovsky (US) |
| 18:43 – 19:00 | Discussion |

“WAKE UP” BACK TO BASIC BREAKFAST SYMPOSIUMS

HANDS ON SYMPOSIUM ON EXERCISE

MEETING ROOM 5

Moderator: Stephen Paridon (US)

- 07:00 – 08:00 Cardiopulmonary Exercise Testing: How to do it, how to interpret it?**
Ana Ubeda Tikkanen (Spain)
Stephen Paridon (US)
Ayhan Kılıç (Turkey)

EKGs: TRAINING SESSION FOR PEDIATRIC CARDIOLOGISTS IN CONJUNCTION WITH PACES:

MEETING ROOM 6

Moderator: Jon Skinner (New Zealand)

- 07:00 – 07:30 Challenging EKGs and subtle clues at REST not to be missed:**
Susan Etheridge (US)
- 07:30 – 08:00 Challenging findings on ambulatory Holters, what to do?**
John Pappagiannis (US/Greece)

VENTILATOR MANAGEMENT:

MEETING ROOM 7

Moderator: Peter Rimensberger (Switzerland)

- 07:00 - 07:30 Optimizing Cardiopulmonary Interactions in the Setting of Right Heart Disease**
Peter Rimensberger (Switzerland)
- 07:30 - 08:00 Optimizing Cardiopulmonary Interactions in the Setting of Left Heart Disease**
Peter Rimensberger (Switzerland)

WAVEFORM INTERPRETATION/HEMODYNAMIC MONITORING:

MEETING ROOM 8

Moderators: Joe Brierley (UK) and Ken Brady (US)

- 07:00-07:30 Interpreting commonly utilized hemodynamic data/waveforms**
Joe Brierley (UK)
- 07:30-08:00 Uncommonly utilized and novel hemodynamic monitoring tools**
Ken Brady (US)

PLENARY: JANE SOMERVILLE HONORARY LECTURE

AUDITORIUM

Moderators: Sertaç Çiçek (Turkey) and Erwin Oechslin (Canada) and Levent Saltık (Turkey)

- 8:30- 9:30 “Adult Congenital Heart Disease: The Courage to be Imperfect”**
Carole Warnes (US)

09:30 – 10:00 Break

POSTER SESSIONS: NURSING, HUMANITARIAN, AND ADMINISTRATION

08:00 -10:00	Posters to be Put Up
10:00 -12:00	Presenters to be Present
10:00 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

SURGERY: COARCTATION & INTERRUPTED AORTIC ARCH

MEETING ROOM 4

Moderators: Pedro Del Nido (US) and Mehmet Salih Bilal (Turkey) and Horacio Capelli (Argentina)

10:00 – 10:20	Neonatal Aortic Coarctation repair and hypoplastic aortic arch: surgical techniques Charles Fraser (US)
10:20 – 10:40	Recurrent Coarctation: surgical approach and results Victor Tsang (UK)
10:40 – 11:00	Surgical treatment of coarctation and ventricular septal defect Luca Vricella (US)
11:00 – 11:10	Repair for interrupted aortic arch; surgical techniques Sertaç Çiçek (Turkey)
11:20 – 11:40	Interrupted aortic arch: surgical options for severe LVOTO Jim Tweddell (US)
11:40 – 12:00	Discussion

INTERVENTIONAL CARDIOLOGY: ATRIAL INTERVENTIONS

AUDITORIUM

Moderators: Ziyad Hijazi (Qatar), John P. Cheatham (US), Levent Saltık (Turkey)

Panelists: Nazmi Narin (Turkey), Tom Forbes (US), Massimo Chessa (Italy), Worakan Promphan (Thailand)

10:00 – 10:40	Live Case #3 (Dublin, Ireland)
10:40 – 11:00	Long Term Outcomes Following Transcatheter ASD Closure: Teiji Akagi (Japan)
11:00 – 11:20	PFO: The Cart Before the Horse - Indications for Closure and Results of the Trials: Mark Turner (UK)
11:20 – 11:40	Matching the device to the anatomy: How to select the appropriate device? Joaquim Miro (Canada)
11:40 -12:00	Debate: Surgeon & Cardiologist <i>“Transcatheter closure in younger patients has more potential for negative consequences than surgical closure: A Data Driven Debate”</i> Pro: Michel Ilbawi (US) Con: Zahid Amin (US)

Moderators: Tom Gentles (New Zealand) and Girish Shirali (US)

- 10:00 – 10:20** **Transesophageal Echocardiography – How to Guide Surgical Interventions**
Nancy Ayres (US)
- 10:20 – 10:40** **Echo Guidance of Interventions in the Catheterization Laboratory.**
Simone Pedra (Brazil)
- 10:40 -11:00** **Epicardial Imaging: The Last Resort?**
Gerald Marx (US)
- 11:00 – 11:20** **Echo telemedicine – Increasing Access or Lowering Standards?**
Craig Sable (US)
- 11:20 – 11:40** **Fetal Echo: What's New in 2017?**
Sally Ann Clur (Netherlands)
- 11:40 – 12:00** **Hand-held echo at home - Where and How to Use?**
Seda Tierney (US)

IMAGING II: IMAGING ABSTRACT SESSION #1

MEETING ROOM 10

Moderators: Shubi Shrivastava (US) and Alan Friedman (US)

- 10:00 - 10:10** **O1217 - Monitoring the Development of Right Ventricular Heart Failure Using Hyperpolarised 13C Magnetic Resonance Imaging**
Peter Agger (Denmark)
- 10:10 – 10:20** **O2026 - Risk of Cardiac Tachyarrhythmias and Sudden Cardiac Death in Patients with Repaired Tetralogy of Fallot: A Cardiac MRI Based Study**
Niek Beurskens (The Netherlands)
- 10:20 – 10:30** **O2224 - Roles of Pressure and Volume Load on Natural Progression of Right Ventricular Dilation and Reverse Remodeling After Pulmonary Valve Replacement in Patients with Repaired Tetralogy of Fallot: A Serial Follow-Up Cardiovascular Magnetic Resonance Study**
Chun-An Chen (Taiwan)
- 10:30 - 10:40** **O1386 - Evolutive Echocardiographic Assessment of the Right Ventricular Function in Paediatric Patients with Repaired Tetralogy of Fallot: Myocardial Fibrosis at the Time of Repair Has Late Impact on the Diastolic Function and on the Indexes of Myocardial Deformation**
Castro Claudia RP (Brazil)
- 10:40 - 10:50** **O1860 - Echocardiographic Accuracy Detection of Coronary Pattern in D-Transposition of the Great Arteries: A Never Described New Pattern in Our 10-Years' Single Center Experience**
Alessia Del Pasqua (Italy)
- 10:50 - 11:00** **O1526 - Congenital Heart Defects in Nigerian Children: Preliminary Data from the National Paediatric Cardiac Register**
Ekanem Ekure (Nigeria)
- 11:00 - 11:10** **O2531 - Cardiac Output Distribution in the Fetus with Coarctation**
Max E Godfrey (Israel)

- 11:10 – 11:20** **O2835 - Tricuspid Valve Rotation Angle (Tvra) Predicts The Success of Cone-Type Reconstruction for Ebstein's Anomaly; Novel Approach Using Cardiac MRI**
Marina Hughes (UK)
- 11:20 - 11:30** **O2309 - Myocardial Contractile Reserve and Coronary Flow Reserve Following Arterial Switch Operation for Tga: Regressed and Preserved Lv**
Rajat Kalra (India)
- 11:30 - 11:40** **O1052 - Quantification of Blood Flow by Automated Three-Dimensional Real-Time Volume Colour-Flow Doppler Echocardiography in Pediatric Atrial Septal Defects**
Atsuko Kato (Canada)
- 11:40 - 11:50** **O1331 - Increased Wave Reflection Indices in Young Adults Following End-To-End Coarctation Repair Compared with Subclavian Flap Repair**
Remi Kowalski (Australia)
- 11:50 - 12:00** **O1867 - Routine Coronary CT Angiography in Young Adults with Transposition of the Great Arteries After the Arterial Switch Operation - Is This an Option or Should It Be Mandatory?**
Krzysztof Michalak (Poland)

**INTENSIVE CARE: RESOURCE-POOR BUT PROBLEM RICH...CHALLENGES OF CARDIAC
INTENSIVE CARE IN DEVELOPING COUNTRIES**

MEETING ROOM 6

Moderators: Parvati Iyer (India) and Dan Penny (US)

- 10:00 – 10:20** **Nosocomial Infections in the CICU.**
Angelo Polito (Italy)
- 10:20 – 10:40** **Implication and impact of non-fatal injuries – expectations and practical constraints.**
Eva Marwali (Indonesia)
- 10:40 – 11:00** **Late presentation of d-TGA.**
Babar Hasan (Pakistan)
- 11:00 – 11:20** **Malnourished and small patients... an everyday problem.**
Parvathi Iyer (India)
- 11:20 – 11:40** **Univentricular Hearts at High Altitude in Resource Limited Geographical Regions**
Nestor Sandoval (Colombia)
- 11:40 – 12:00** **Undertrained and overworked – can we or should we fast track cardiac intensivists in low-income countries?**
Dan Penny (US)

Moderators: Dave Cooper (US) and Allan Goldman (UK)

- 10:00 - 10:10** **O1359 - Development and Implementation of Inpatient Goal-Driven Clinical Pathways for Congenital Heart Surgery Patients**
Amy Donnellan (US)
- 10:10 - 10:20** **O1145 - Risk Stratification of Premature Babies with Congenital Cardiac Disease**
Ioana Dumitrascu-Biris (UK)
- 10:20 - 10:30** **O2694 - Use of Near Infrared Spectroscopy to Predict Extubation Outcomes in Neonates After Cardiac Surgery**
Eleanor A. Gradidge (US)
- 10:30 - 10:40** **O1187 - Effect of Guidelines Based Management on the Early Post-Operative Outcome After Blalock- Tausing Shunt**
Sameh Ismail (Saudi Arabia)
- 10:40 - 10:50** **O1311 - Risk Factors for, and Burden of, Acute Kidney Injury in Children Undergoing Cardiac Surgery for Congenital Heart Disease**
Rohit Loomba, (US)
- 10:50 - 11:00** **O1458 - Multicenter Validation of the Vasoactive-Ventilation-Renal Score as a Predictor of Prolonged Mechanical Ventilation After Neonatal Cardiac Surgery**
Christopher W Mastropietro (US)

ACHD: GROWN UP PATIENTS WITH REPAIRED TETRALOGY OF FALLOT
MEETING ROOM 9

Moderators: Massimo Chessa (Italy) and Gul Sagin Saylam (Turkey)

- 10:00 – 10:20** **Ventricular function and heart failure: Is it a problem in TOF patients?**
Luke Burchill (US)
- 10:20 – 10:40** **Changing the surgical approach: will we reduce re-operation?**
Alessandro Giamberti (Italy)
- 10:40 – 11:00** **Timing of Pulmonary Valve Replacement in Tetralogy of Fallot: Are We Replacing Valves Too Late?**
Frank Cetta (US)
- 11:00 – 11:20** **Transcatheter therapies in ACHD cono-truncal patients, a dream or soon to be reality?**
Carlos Ruiz (Spain)
- 11:20 – 11:40** **RV remodeling after pulmonary valve replacement, is it true?**
Folkert Meijboom (Netherlands)
- 11:40 – 12:00** **Discussion**

ELECTROPHYSIOLOGY: RHYTHM DEVICES FOR HEART FAILURE & CARDIOMYOPATHIES
MEETING ROOM 3

Moderators: Jan Janousek (Czech Republic) and Hiroko Asakai (Japan)

- 10:00 – 10:20** **Tips and tricks of echocardiography for Cardiac Resynchronization Therapy (CRT) assessment, optimization, and follow-up.**
Mark Friedberg (Canada)

- 10:20 – 10:40** **Predicting response: CRT for the failing LV**
Anne Dubin (US)
- 10:40 – 11:00** **Predicting response: CRT for the failing RV**
Bart Bijmens (Spain)
- 11:00 -11:20** **My doctor ordered an MRI, but I have a cardiac implantable device. Does it really matter?**
Salim Idriss (US)
- 11:20 – 11:40** **Does European Risk Stratification for Hypertrophic Cardiomyopathy in Adults apply to Adolescents?**
Juan Pablo Kaski (UK)
- 11:40 – 12:00** **LV non-compaction, who deserves a device?**
Robert Weintraub (Australia)

ANESTHESIA: NEONATAL CONGENITAL CARDIAC ANESTHESIA

MEETING ROOM 7

Moderators: Ian James (UK) and Scott Walker (US)

- 10:00 – 10:20** **Limitations and vulnerabilities of the neonatal cardiovascular system: considerations for anesthetic management.**
Dean Andropoulos (US)
- 10:20 – 10:40** **Impact of Translational Research on Optimization of Neonatal Cardiopulmonary Bypass Circuits and Techniques**
Akif Undar (US)
- 10:40 – 11:00** **Low cardiac output syndrome in neonates with congenital heart disease.**
Peter Laussen (Canada)
- 11:00 – 11:20** **Renal dysfunction and the congenital cardiac anesthesiologist.**
Mirela Bojan (France)
- 11:20 – 11:40** **Monitoring and protecting the infant brain during cardiac surgery.**
Ken Brady (US)
- 11:40 – 12:00** **Discussion**

TRANSPLANT & HEART FAILURE: PUSHING THE LIMITS IN PEDIATRIC HEART TRANSPLANTATION

MEETING ROOM 5

Moderators: Joshua Sparks (US) and Eugen Sandica (Germany)

- 10:00 – 10:20** **Transplant after Cancer and Chemotherapy: How Long do we Have to Wait?**
Shigetoyo Kogaki (Japan)
- 10:20 – 10:40** **Transplant in Patients with Difficult Anatomy Including Single Lung**
Linda Addonizio, (US)
- 10:40 – 11:00** **Elevated Pulmonary Vascular Resistance – what can VADs do for you?**
Christian Pizarro (US)
- 11:00 – 11:20** **Transplant in Patients with Genetic Syndromes and Autism.**
Elizabeth Blume (US)

11:20 – 11:40 How Many Transplants do you get? 3rd, 4th, or More?
Massimo Griselli (Saudi Arabia)

11:40 – 12:00 Discussion

RHEUMATIC: DIAGNOSIS AND TREATMENT OF ARF AND RHD

MEETING ROOM 8

Moderators: Nigel Wilson (New Zealand) and Sulafa Ali (Sudan)

10:00 – 10:20 Physicians, health care workers, and the public: how to teach about ARF and RHD?
Alyaa Kotby (Egypt)

10:20 – 10:40 Echocardiographic cases of RHD and their differential diagnosis.
Ercan Tutar (Turkey)

10:40 – 11:00 Rheumatic heart disease in pregnancy.
Andrea Beaton (US)

11:00 – 11:20 Access to catheterization for RHD patients in low-income countries.
Emmy Okello (Uganda)

11:20 – 11:40 Mitral valve repair and replacement for Rheumatic Heart Disease
Manuel Antunes (Portugal)

11:40 – 12:00 Postoperative anticoagulation: safety and sustainability.
Joseph Mocumbitsi (Rwanda)

AMBULATORY & GENETICS: GENETICS/GENOMICS FOR THE PRACTICING CARDIOLOGIST

MEETING ROOM 2

Moderators: Jeff Towbin (US) and Fukiko Ichida (Japan)

10:00 – 10:20 Genetics 101 – How Do You Spell D-N-A?
Martijn Bos, MD, PhD (Netherlands)

10:20 – 10:40 Genetic Testing in Pediatric Cardiology:
Jeff Towbin (US)

10:40 – 11:00 Pharmacogenetics 101 – GATCs, CYPs, VKORCs:
Martin Tristani (US)

11:00 -11:20 Mutation Calling: What goes into elevating a variant to “The Disease Calling Mutation?”
Sabine Klaassen (Germany)

11:20 – 11:40 Five Reasons NOT to Order a Genetic Test!
Michael J. Ackerman (US)

11:40 – 12:00 Discussion

Moderators: Lloyd Tani (US) and Christopher Hugo Hamman (South Africa)

- 10:00 - 10:10** **O2314 - Primary Congenital Anomalies of Coronary Arteries in Children and Adolescents**
Dimpna C Albert (Spain)
- 10:10 – 10:20** **O1638 - Extending Paediatric Cardiovascular Care to Gulu Regional Referral Hospital in Uganda: Challenges and Opportunities in a Four-Year Experience**
Twalib Aliku (Uganda)
- 10:20 – 10:30** **O1788 - Analysing Current Practice in the Assessment of Paediatric Chest Pain**
Tara Barucha (UK)
- 10:30 - 10:40** **O2657 - Relationship of Ambulatory Blood Pressure with Left Ventricular Global Longitudinal Strain**
Carles Bautista (Spain)
- 10:40 - 10:50** **O2312 - Impact of Congenital Heart Surgery on Quality of Life in Infants (1-24 Months): A Prospective Study**
Bhavik Champaneri (India)
- 10:50 - 11:00** **O2465 - Newborn Wellness Screen: Modified Newborn Pulse Oximetry Screening for Out of Hospital Births**
Devyani Chowdhury (US)
- 11:00 - 11:10** **O2497 - Correlation of N-Terminal Pro-Brain Natriuretic Peptide with Myocardial Function and Electrocardiographic Parameters in Kawasaki Disease**
Laurent Desjardins (Canada)
- 11:10 – 11:20** **O1319 - Improving Patient Access and Satisfaction with Independent Pediatric Nurse Practitioner Cardiology Clinics**
Julianne Evangelista (US)
- 11:20 - 11:30** **O1101 - Comparison of Initial Therapy of Intravenous Immunoglobulin Versus Intravenous Immunoglobulin Plus Infliximab in Kawasaki Disease Patients Presenting with Coronary Artery Lesions**
Pei-Ni Jone (US)
- 11:30 - 11:40** **O2038- Effectiveness and Safety of Statin Therapy in Children: A Real-World Clinical Practice Experience**
Rae-Ellen Kavey (US)
- 11:40 - 11:50** **O2084 - Right Ventricular Dysfunction and Exercise Intolerance in Patients with Moderate or Severe Pulmonary Regurgitation in Patients Without Tetralogy of Fallot. Are They the Same as Tetralogy of Fallot?**
Guillermo Larios (Canada)
- 11:50 - 12:00** **O2999 - Children with Congenital Heart Disease (Chd): Are They Safe to Fly?**
Nitha Naqvi (UK)

THROUGH OUR EYES: LEARNING FROM THE PATIENT/FAMILY PERSPECTIVE

MEETING ROOM 14

Presented in Association with the International Congenital Heart Leadership Summit (ICHLS)

Plenary Chair: Jane Somerville (US)

10:05 – 10:20 **Turning Stories Into Action**
Egidia Rugzwingoga

10:20 – 11:05 **Patient-Provider Partnerships for Quality Improvement Professional Certification and Accreditation**
Curt Daniels (US)

Transparency and Engagement
David Kasnic

Community-based Research: The RHD Model
Liesl Zuhlke (South Africa)

11:05 – 11:35 **Patient-Provider Partnership for Awareness and Access HeartKids NZ Model**
Rob Lutter (New Zealand)

Empowering Access in India
Vikas Desai (India)

11:35 – 12:00 **Panel Q & A**
Vikas Desai (India)

12:00 – 13:30 **Lunch (Exhibition Hall)**

SYMPOSIUM: GENERAL CARDIOLOGY: SCREENING FOR CONGENITAL HEART DISEASE

MEETING ROOM 1

Presented in Association with ACC

Panel: Anne de-Wahl Granelli (Sweden), Krishna Kumar (India), Babar Hasan (Pakistan), Gerard Martin (US), Kathy Jenkins (US)

12:15 – 12:30 **Screening saves lives and improves outcomes**
Devyani Chowdhury (US)

12:30 – 12:45 **Screening for CHD in China**
Xiaocheng Liu (China)

12:45 – 13:00 **Parental Advocacy for Screening**
Annamarie Saarinen (US)

13:00 – 13:15 **Questions & Panel Discussion**

POSTER SESSIONS: ELECTROPHYSIOLOGY & IMAGING

08:00 -10:00	Posters to be Put Up
13:30 -15:30	Presenters to Be Present
13:30 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

SURGERY: PULMONARY CONDUITS AND VALVE REPLACEMENT

MEETING ROOM 4

Moderators: Nestor Sandoval (Colombia) and Qing-Yu Wu (China)

13:30 – 13:50	Anatomic substrates requiring pulmonary outflow tract reconstruction in neonates and infants. Christian Kreutzer (Argentina)
13:50 – 14:10	Optimal pulmonary conduit in young children Kristine Guleserian (US)
14:10 – 14:30	Current indications for late pulmonary valve placement for chronic pulmonary insufficiency Judith Therrien (Canada)
14:30 – 14:50	Percutaneous pulmonary valve placement Ziyad Hijazi (Qatar)
14:50 – 15:10	Options for pulmonary valve prosthesis in teenagers and young adults Masaaki Yamagishi (Japan)
15:10 – 15:30	Discussion

SURGERY II: SURGICAL ABSTRACT SESSION #2

MEETING ROOM 15

Moderators: Giovanni Stellin (US) and Marcelo Jatene (Brazil)

13:30 - 13:40	O2895 - Tetralogy of Fallot: Incidence And Timing of Pulmonary Valve Replacement After Initial Repair Carl Backer (US)
13:40 – 13:50	O2762 - Aortic Valve Reconstruction with the Ozaki Procedure in Pediatric Patients: Early Outcomes in 21 Patients Christopher Baird (US)
13:50 – 14:00	O1971 - Arterial Switch Operation for Transposition of Great Arteries with Intact Ventricular Septum: Results of Late Primary Repair Domenica Paola Basile (Italy)
14:00 - 14:10	O1153 - Surgical Technique for Adult Coartation Repair: Twenty Years Single Institution Experience Kirsten Finucane (New Zealand)
14:10 - 14:20	O2929 - Surgery on Dilated Aorta Associated with Connective Tissue Disease or Inflammatory Vasculitis in Children and Adolescent Patients Jae Gun Kwak (South Korea)
14:20 - 14:30	O1078 - Comparison of Left Ventricular Re-Training in Dextro- and Levo-Transposition of the Great Arteries Richard Mainwaring (US)

- 14:30 - 14:40** **O2499 - Left Ventricle Retraining of D-Transposition of Great Arteries in the Third World. The Bucaramanga Experience**
Sara E Mendoza (Colombia)
- 14:40 – 14:50** **O1866 - Isolated vs Complex Transposition of the Great Arteries – Is There Still a Difference in Postoperative Prognosis?**
Krzysztof Michalak (Poland)
- 14:50 - 15:00** **O2602 - Intraoperative Revision During Arterial Switch Operation in the Current Era**
Yuki Nakamura (US)
- 15:00 - 15:10** **O2153 - Mid-Term Outcomes of Aortic Arch Reconstruction in Newborns and Infants: A 5-Year Experience from a Start-Up Congenital Heart Surgery Program**
Ismihan Selen Onan (Turkey)
- 15:10 - 15:20** **O1724 - The Ross Operation in Children: A Twenty-Year, Single-Institution Experience in Argentina**
Gladys Salgado (Argentina)
- 15:20 - 15:30** **O2160 - Long-Term Results After Surgical Repair of AVSD Over 30 Years` Period At a Single Centre Institution**
Anastasia Schleiger (Germany)

INTERVENTIONAL CARDIOLOGY: NEW TECHNIQUES AND TECHNOLOGIES

AUDITORIUM

Moderators: Ziyad Hijazi (Qatar), Xiangbin Pan (China), Alejandro Peirone (Argentina), Jae Young Choi (Korea)

Panelists: Ayhan Kilic (Turkey), Wail Alkashkari (Saudi Arabia), Julie Vincent (US)

- 13:30 – 14:10** **Live Case #4 (Dublin, Ireland)**
- 14:10 – 14:25** **MRI- Guided Cardiac Catheterization: Progress to Date and Clinical Possibilities for the Future:**
Andrew Powell (US)
- 14:25 – 14:45** **Interventions outside the Heart: Porto-systemic Circulation, Lymphatics and Beyond: (10 minutes each)**
Elchanan Bruckheimer (Israel)
Yoav Dori (US)
- 14:45 – 15:00** **Application and Development of Bioresorbable Materials for Congenital Heart Interventions:**
Jose Luis Zunzunegui (Spain)
- 15:00 – 15:15** **Evolving Imaging Technologies: Seeing Beyond the Contrast.**
Aimee Armstrong (US)
- 15:15 – 15:30** **ICE for congenital & structural interventions: do we need TEE?**
Carlos Zabal (Mexico)
- 15:30 – 15:45** **Decompression of the Atria using the new AFR:**
Siva Kumar (India)

Moderators: Ahmad Alomarani (KSA), Ralf Holzer (US)

- 14:00 - 14:10 O2351 - Percutaneous Pulmonary Valve Implantation with SAPIEN Valves in Native and Large RVOT; Early and Mid-Term Results**
Ahmet Celebi (Turkey)
- 14:10 - 14:20 O1852 - Prospective Study on Patent Ductus Arteriosus Stenting in Cyanotic Congenital Heart Disease with Ductus Related Branch Pulmonary Artery Stenosis**
Marhisham Che Mood (Malaysia)
- 14:20 - 14:30 O2897 - Single Center Experience of 65 Fetal Aortic Balloon Valvuloplasty**
Joanna Dangel (Poland)
- 14:30 - 14:40 O1907 - Evaluation of Central Pulmonary Arteries Growth Following PDA Stenting in Patients with Duct Dependent Pulmonary Circulation**
Hala ElMarsafawy (Egypt)
- 14:40 - 14:50 O2875 - Perimembranous Ventricular Septal Defect Device Closure: Choosing Between ADO I and ADO II**
Amal El-Sisi (Egypt)
- 14:50 - 15:00 O2076 - Percutaneous Closure Of Atrial Septal Defect Using Nit-Occlud® Asd-R: Longterm Results**
Alexandra Heath (Bolivia)

IMAGING, RHEUMATIC, AND KAWASAKI BRIDGING TOGETHER SESSION

MEETING ROOM 1

Moderators: Ercan Tutar (Turkey) and Mariana Mirabel (France)

- 13:30 – 13:50 Rheumatic Fever**
Tom Gentles (New Zealand)
- 13:50 – 14:10 Kawasaki Disease**
Isao Shiraishia (Japan)
- 14:10 - 14:30 Coronary artery lumen and vessel wall imaging in children – how and when to use echo, MR, CT, or other modalities**
Gerald F. Greil (US)
- 14:30 – 14:50 Latest ARF Guidelines: how and when to use echo, MR, CT, or other modalities**
Bo Remenyi (Australia)
- 14:50 – 15:10 Making Screening for RHD Practical in Low and Middle Income Countries: Technology & Task Shifting**
Andrea Beaton (US)
- 15:10 – 15:30 Global burden of Rheumatic Heart Disease (RHD): Lessons learned from echocardiography-based screening.**
Liesl Zuhlke (South Africa)

Moderators: Catherine Krawczeski (US) and David Cooper(US)

- 13:30 – 13:50 Acute Kidney Injury (AKI) After CPB: Why Do We Care, How Do We Find It, and What Are We Going to Do About It?**
Catherine Krawczeski (US)
- 13:50 – 14:10 Fluid Overload in Critically Ill Patients – It's Not Just Cosmetic.**
Karen Papez (US)
- 14:10 – 14:30 Interventions to Prevent AKI – Is there hope?**
Ayse Akcan-Arikan (US)
- 14:30 – 14:50 Renal Replacement in the CICU**
Zaccaria Ricci (Italy)
- 14:50 – 15:10 Long-term Outcomes of Pediatric AKI: Silent but Deadly?**
David Cooper (US)
- 15:10 – 15:30 Panel Discussion**

ACHD: GLOBAL ADULT CONGENITAL HEART DISEASE CARE AROUND THE WORLD
MEETING ROOM 9

Presented in Association with ISACHD

Moderator: Koichiro Niwa (Japan) and Alexander "Sasha" Opotowsky(US)

- 13:30 – 13:50 Advanced Models (North American, Europe, Asia-Pacific)**
Candice Silversides (Canada)
Curt Daniels (US)
Jolien-Roos Hesselink (Netherlands)
- 13:50 – 14:10 Developing Models of Adolescent & ACHD Care: The Taiwan Experience**
Jou-Kou Wang (Taiwan)
- 14:10 – 14:30 ACHD Education:**
Alexander "Sasha" Opotowsky (US)
- 14:30 – 14:50 Resource Allocation:**
Sue Fernandes (US)
- 14:50 – 15:10 Pediatric Cardiologist Perspective:**
Massimo Chessa (Italy)
- 15:10 – 15:30 Discussion**

Moderators: Lucy Roche (Canada) and Luke Burchill (US)

- 13:30 - 13:40** **O2459 - Indications and Midterm Outcomes of Geriatric Congenital Cardiac Surgery: A Multicenter Study**
Amine Mazine (Canada)
- 13:40 - 13:50** **O1596 - The Lymphatic Morphology and Function in Fontan Operated Patients**
Sheyanth Mohanakumar (Denmark)
- 13:50 - 14:00** **O1148 - Physical Activity Assessment in Patients with Congenital Heart Disease and Associations to Exercise Capacity and Health-Related Quality of Life**
Jan Müller (Germany)
- 14:00 - 14:10** **O1339 - Abnormal Plasma Lipid Profile is Associated with Poor Prognosis in Fontan Patients**
Hideo Ohuchi (Japan)
- 14:10 - 14:20** **O1944 - The Impact of Post-Operative Acute Kidney Injury Following Fontan Conversion Surgery**
Sheetal R. Patel (US)
- 14:20 - 14:30** **O2766 - Quality of Life and Exercise Capacity in Congenital Heart Disease Patients with Prosthetic Heart Valves**
Hanna Pragt (The Netherlands)
- 14:30 - 14:40** **O2475 - Pattern of Cyanotic Congenital Heart Disease in Adults at Tertiary Cardiovascular Center in Indonesia**
Dina Roeswita (Indonesia)
- 14:40 - 14:50** **O2521 - Challenges in Surgical Correction of Adult Tetralogy of Fallot : Outcomes with Targeted Care**
Kuntal Roy Chowdhuri (India)
- 14:50 - 15:00** **O1543 - Vortex Flow in the Right Atrium Surrogates Supraventricular Arrhythmia and Thrombus After Atrio-Pulmonary Connection Type Fontan Operation: A Novel Method of Vortex Flow Analysis Using Conventional Cine Magnetic Resonance Imaging**
Yumi Shiina (Japan)
- 15:00 - 15:10** **O2285 - Solid Neoplasms in Fontan Patients: Report of Ten Cases in a Single Center**
Mi Kyoung Song (South Korea)
- 15:10 - 15:20** **O1393 - Serum Carbohydrate Antigen-125 Level Predicts Future Cardiovascular Events in Patients with Fontan Circulation**
Tatsunori Takahashi (Japan)
- 15:20 - 15:30** **O1505 - Arrhythmias and Special Electrophysiological Characteristics in Congenitally Corrected Transposition of the Great Arteries**
Wei-Chieh Tseng (Taiwan)

CORONARY: CONGENITAL CORONARY ARTERY DISEASE

MEETING ROOM 8

Moderators: Emauela Valsangiomo Büchel (Switzerland) and Hani Najm (Saudi Arabia)

- 13:30 – 13:50** **Anatomic assessment of coronary arteries: Current imaging strategies and diagnostic testing for coronary artery anatomy and perfusion in children.**
Michael Cheung (Australia)
- 13:50 – 14:10** **Functional assessment of coronary arteries**
Ryuji Fukazawa (Japan)
- 14:10 – 14:30** **An international perspective of anomalous origin of the coronary arteries: Are Existing Guidelines Adequate?**
Jan Marek (UK)
- 14:30- 14:50** **Coronary artery fistulae: When to Worry and What to Do?**
Julie Brothers (US)
- 14:50 – 15:10** **Anomalous Coronary Artery from the Pulmonary Artery: Case Reviews of Typical & Atypical Presentations.**
Cardiology: Dimpna C. Albert (Spain)
Surgery: Şükrü Mercan (Saudi Arabia)
- 15:10 – 15:30** **Surgical options for anomalous origin of the coronary arteries.**
Marshall Jacobs (US)

AMBULATORY: ABSTRACT SESSION #2 AND AMBULATORY KEYNOTE ADDRESS

MEETING ROOM 2

Moderators: Stephen Paridon (US) and Eero Jokinen (Finland)

- 13:30 - 13:40** **O1881 - Maternal Opioid-Agonist Therapy and Risk of Congenital Heart Disease in the Fetus**
Sharon E. Obrien (US)
- 13:40 - 13:50** **O1931 - Effects of US State Newborn Critical Congenital Heart Disease Screening Policies on Infant Cardiac Deaths**
Matthew Oster (US)
- 13:50 - 14:00** **O1228 - Influence of Cardiac Intervention on Neurodevelopment in Young Children with Congenital Heart Disease in Central South Africa: Three-Month and Six-Month Outcomes**
Robyn Smith (South Africa)
- 14:00 - 14:10** **O2725 - Cardiac Disease in Pediatric Patients Presenting to Cardiology Department with Chest Pain**
Tayfun Ucar (Turkey)
- 14:10 - 14:20** **O1679 - Promoting Physical Activity to Children with Congenital Heart Defects: Identifying Important Knowledge Translation Gaps**
Derek Wong (Canada)
- 14:20 - 14:30** **O2102 - State of the Art Clinical Care of the Fontan Circulation - A Multi-Institutional Survey of Practice Variability in Identified Fontan Programs Across the United States**
Adel Younoszai (US)
- 14:30 - 14:40** **O1889 - Epidemiology and Risk Factors for Coronary Artery Lesions in Children with Incomplete Kawasaki Disease in Shanghai from 2008 Through 2012**
Fang Liu (China)

14:40 – 15:25 **Plenary Lecture: “Lifetime Management of CV Risk: Investing in Your Arteries”**
John Deanfield (UK)

15:25 – 15:30 **Discussion**

PULMONARY ARTERIAL HYPERTENSION (PAH): UNDERSTANDING PAH & ABSTRACTS

MEETING ROOM 5

Moderators: Dunbar Ivy (US) and Gul Sagin Saylam (Turkey)

- 13:30 - 13:40** **O1287 - A Reversible and Irreversible Response to Haemodynamic Unloading in Flow-Induced Pulmonary Arterial Hypertension. - Identification of the Point of No Return in Pulmonary Vascular Disease**
Diederik van der Feen (Netherlands)
- 13:40 – 13:50** **O1308 - Macitentan Versus Standard of Care in Delaying Disease Progression in Children with Pulmonary Arterial Hypertension: The Tomorrow Study Design**
Maurice Beghetti (Switzerland)
- 13:50 – 14:00** **O1841 - Effect of Mir-29b on the Proliferation and Apoptosis of Pulmonary Artery Smooth Muscle Cells by Targeting CCND2 and Mcl-1**
Juan Chen (China)
- 14:00 - 14:10** **O2039 - Potts Shunt Results Improves Right Ventricular Function in Patients with Suprasystemic Pulmonary Hypertension**
Manish Aggarwal (US)
- 14:10 - 14:20** **O2622 - Early Results and Long-Term Follow-Up: Double Patch Flap Valve VSD Closure in Patients with Pulmonary Hypertension and Elevated Pulmonary Vascular Resistance**
William Novick (US)
- 14:20 - 14:30** **O2778 - Right Atrial Function in Children with Pulmonary Hypertension**
Karun Vadlamudi (Canada)
- 14:30 – 14:42** **Epidemiology and Classification of Pulmonary Hypertension:**
Rolf Berger (Netherlands)
- 14:42- 14:54** **Imaging in Pulmonary Hypertension: Is it All About That RV?**
Mark Friedberg (Canada)
- 14:54 – 15:06** **Advanced imaging: Modalities: What Can They Add?**
Shahin Moledina (UK)
- 15:06 – 15:18** **Diagnostic Catheterization in Patients with PAH**
Christian Apitz (Germany)
- 15:18 – 15:30** **Pulmonary Hypertension in Bronchopulmonary Dysplasia**
Maria Del Cerro (Spain)

QUALITY IMPROVEMENT IN CONGENITAL HEART DISEASE

MEETING ROOM 3

Presented in Association with ACC

Moderators: Gerard Martin (US) and Ariane Marelli (Canada)

- 13:30 – 13:50 Cardiac Catheterization (IMPACT Registry/RRR)**
Aimee Armstrong (US)
- 13:50 – 14:10 Congenital Heart Programs Q Net.**
Kathy Jenkins (US)
- 14:10 – 14:30 NPC QIC.**
Jeffrey Anderson (US)
- 14:30 – 14:50 Transparency Efforts in UK**
Rodney Franklin (UK)
- 14:50 – 15:30 Discussion**

HUMANITARIAN: DEVELOP, TRAIN & RETAIN: PLANNING INTEGRATED & SUSTAINABLE PEDIATRIC CARDIAC CARE

MEETING ROOM 16

Moderators: Patricia Hickey (US) and Christopher Hugo-Hamman (Namibia)

- 13:30 – 13:35 Introduction (5 min):**
Patricia Hickey (US)
- 13:35 – 13:50 How should institutions in low-middle income countries address the shortage of trained professionals?**
Masood Sadiq (Pakistan)
- 13:50 – 14:05 Nurse training, support and retention.**
Rohini Paul (India)
- 14:05 – 14:20 Governmental policy determines outcome.**
Nelson Yatsuda (Brazil)
- 14:20 – 14:35 Private & public partnerships are the optimum model for cardiac care.**
Blanca del Valle (Mexico)
- 14:35 – 14:50 Effective managers and management systems enable sustainable care**
Sanjeev K. Singh (India)
- 14:50 – 15:05 International NGO support is invaluable.**
Bistra Zheleva (US)
- 15:05 - 15:30 Discussion:** Led by Christopher Hugo-Hamman (Namibia)

PERFUSION: MINIMALLY INVASIVE APPLICATIONS IN EXTRACORPOREAL CIRCULATION

MEETING ROOM 11

Presented in Association with MiECTiS

Moderator: Thierry Carrel (Switzerland) and Alexander Kadner (Switzerland)

- 13:30 - 13:50** **Modular Minimal Invasive Extracorporeal Circulation (MiECC) Systems For Pediatric Cardiac Surgery: New Concepts, Evidence, Practice And Initiatives**
Thierry Carrel (Switzerland)
- 13:50 – 14:10** **Design & Modifications Of MiECC Circuits For Pediatric Cardiac Surgery**
Michael Parpard (US)
- 14:10 – 14:30** **Benefits, Safety And Outcomes Of The Use Of MiECC Systems In Pediatric Cardiac Surgery**
Alexander Kadner (Switzerland)
- 14:30 – 14:50** **Impact Of MiECC Systems On Blood Management In Pediatric Patients**
Serdar Gunaydin (Turkey)
- 14:50 – 15:30** **Discussion**

NURSING: PARTNERING WITH PARENTS & FAMILIES: A GLOBAL PERSPECTIVE

MEETING ROOM 7

Moderators: Liz Smith (US) and Ashley Collins (US)

- 13:30 – 13:45** **Challenges in Parenting a Child with Heart Disease**
Ewa-Lena Bratt (Sweden) in partnership with a parent
- 13:45 – 14:00** **Why Should We Practice Family-Centered Care?**
Gaby Stoffel (Switzerland)
- 14:00 – 14:15** **Family Presence During Rounds**
Jos Latour (UK)
- 14:15 – 14:45** **Global Perspectives on Family Visitation: 24 hours vs limited (30 minutes, 15 min each)**
Limited: Vivian Shen (China)
24 hours: Anna Fisk (US)
- 14:45 - 15:00** **Empowering Families to Care for Their Child After Surgery**
Sandy Staveski (US)
- 15:00 – 15:15** **Communication and Support for CHD Patients and Families Across the Lifespan.**
Trudy Pierick (US)
- 15:15 – 15:30** **Nursing Involvement in Remote Device Follow-up: A Global View**
Brynn Dechert-Crooks (US)

DEBATE SESSION #1:

MEETING ROOM 1

Moderators: Shubayan Sanatani (Canada) and John Triedman (US)

16:00 – 16:30 Debate #1A: All asymptomatic WPW Patients Should Undergo a Catheter Based EP Study & Ablation

Pro: Fabrizio Drago (Italy)

Con: Andrew Papez (US)

16:30 – 17:00 Debate #1B: Patients with a Structurally Normal Heart and Frequent PVCs (> 20%) Should Undergo Ablation

Pro: George Van Hare (US)

Con: Thomas Kriebel (Germany)

DEBATE SESSION #2:

MEETING ROOM 2

Moderators: Lee Benson (Canada) and Ziyad Hijazi (Qatar)

16:00 – 16:30 Debate #2A: Patients with a Native Coarctation Should Undergo Primary Stent Placement

Pro: John Cheatham (US)

Con: Michel Ilbawi (US)

16:30 – 17:00 Debate #2B: Patients with Moderate Aortic Stenosis Should Be Restricted from Competitive Sports

Pro: Renate Oberhoffer (Germany)

Con: Jonathan J. Rome (US)

DEBATE SESSION #3:

MEETING ROOM 4

Moderators: Jack Rychik (US) and Yves D'udekem (Australia)

16:00 – 16:30 Debate #3A: Fenestration Should Be Performed in all Fontan Patients

Pro: J. William Gaynor (US)

Con: Marshall Jacobs, (US)

16:30 – 17:00 Debate #3B: Anticoagulation Beyond Aspirin Should Be Offered to all Fontan Patients

Pro: Brian McCrindle, (Canada)

Con: Frank Cetta (US)

DEBATE SESSION #4:

MEETING ROOM 9

Moderators: Marcelo Jatene (Brazil) and Tom Karl (US)

16:00 – 16:30 Debate #4A: Asymptomatic Athletes with an Anomalous Right Coronary from the Left Facing Sinus Should Undergo Surgery

Pro: Tjark Ebels (Netherlands)

Con: Stephen Paridon (US)

16:30 – 17:00 Debate #4B: 3 week-old with TOF: surgery vs. transcatheter therapy

Surgery Pro: Glen Van Arsdell (Canada)

Cath Con: Shakeel Qureshi (UK)

Moderators: Cecilia Hyslop (Canada) and Rhoni Paul (India)

16:00 – 16:30 Debate #5A: Bundles Contribute to the Development of the Expert Nurse
Pro: Jean Storey (US)
Con: Liz Smith (UK)

16:30 – 17:00 Debate #5B: New Nursing Graduates Should Not Start in an ICU
Pro: Anna Fisk (US)
Con: Lisa Moore (US)

PLENARY: TOTAL CAVOPULMONARY CONNECTION

AUDITORIUM

Honorary Plenary: Francois Fontan, Billy Kreutzer

Moderators: Jack Rychik (US) and Victor Tsang (UK) and Yves D'udekem (AUS)

17:15 – 17:30 History of Fontan: How did we get here?
Ram Kumar Subramanyan(US)

17:30 – 17:45 Surveillance of the “well” Fontan
Kathryn Dodds (US)

17:45 – 18:00 Delaying the Inevitable: Recognition & Medical Management of Co-Morbidities.
Gruschen Veldtmann (US)

18:00 – 18:15 Surgical Approaches to the Troubling and Annoying Lymphatic System of the Fontan Patient
Christian Kreutzer (Argentina)

18:15 - 18:30 Conversion, VAD, and Transplant, for the Failing Fontan
Asif Hasan (UK)

18:35 – 18:50 Where Do We Go From Here? The Future of the Fontan
Yves D'udekem(Australia)

18:50 – 19:15 Panel Discussion

“WAKE UP” BACK TO BASIC BREAKFAST SYMPOSIUMS

HEMODYNAMICS:

MEETING ROOM 5

Moderators: Bryan Goldstein (US) and Joshua Salvin (US)

07:00-07:30 **The nuance of interpreting cardiac catheterization data**
Bryan Goldstein (US)

07:30-08:00 **What Cardiac Catheterization can and cannot tell you about your CICU patient**
Joshua Salvin (US)

RESUSCITATION

MEETING ROOM 6

Moderators: Sarah Tabbutt (US) and Jonny Byrnes (US)

07:00-07:30 **Resuscitation of patients with single ventricle physiology**
Sarah Tabbutt (US)

07:30-08:00 **Resuscitation of patients utilizing E-CPR**
Jonny Byrnes (US)

SEDATION AND ANESTHESIA: PHARMACOLOGY & PEARLS

MEETING ROOM 7

Moderators: Zerrin Sungur (Turkey) and Mark Twite (US)

07:00 – 07:20 **The hemodynamic effects of anesthetic drugs.**
Scott Walker (US)

07:20 – 07:40 **Pearls and pitfalls of providing sedation and anesthesia for patients with congenital heart disease.**
Wanda Miller-Hance (US)

PULMONARY ARTERIAL HYPERTENSION (PAH)

MEETING ROOM 8

Moderator: Dunbar Ivy (US)

07:00 – 07:20 **Evaluation of the child with PAH**
Doi Shouzaburou (Japan)

07:20 – 07:40 **Treatment of Pediatric PAH**
Erika Rosenzweig (US)

BRIDGING TOGETHER SESSIONS

SURGERY, ICU, & NURSING: THE “ART” OF A MULTIDISCIPLINARY APPROACH TO CHALLENGING CASES

MEETING ROOM 1

Moderators: Lisa Moore (US), Mel Almodovar (US), Christian Pizarro (US)

- 08:00 – 08:30** **Case #1 – 2 month old patient with tetralogy of Fallot and hypercyanotic spells**
Team - South America (Christian Kreutzer, Maria Balestrini, TBD)
- 08:30 – 09:00** **Case #2 - Primary arterial switch in a patient presenting late with TGA/IVS**
Team - India (Parvathi Iyer, Krishna Iyer)
- 09:00 – 09:30** **Case #3 - 3-month-old patient with tricuspid atresia with normally related great vessels status post Glenn, postoperative day #0 with severe hypoxemia**
Team - US (Kristine Guleserian, Juan Bolivar, Milagros Tablante)

ELECTROPHYSIOLOGY AND GENERAL AMBULATORY CARDIOLOGY **Presented in Association with PACES and AEPC**

MEETING ROOM 2

Moderators: Susan Etheridge (US) and Thomas Kriebel (Germany)

- 08:00 – 08:15** **Avoiding Red Flags in the Management of Syncope: Bringing guidelines to the real world.**
Mitchell Cohen (US)
- 08:15 – 08:30** **When chest pain is our problem: What are the clues?**
Juha-Mati Happonen (Finland)
- 08:30 – 08:45** **The evaluation of palpitations before the electrophysiologist**
Konrad Brockmeier (Germany)
- 08:45 – 09:00** **Subtle findings that predict sudden death.**
Bryan Cannon (US)
- 09:00- 09:15** **PVCs in postoperative CHD patients, when to worry and when to send to the electrophysiologist?**
Nico Blom (Netherlands)
- 09:15 – 09:30** **ICDs for the General Cardiologist: What is new that we must know?**
Ron Kanter (US)

Moderators: Gul Sagin Saglam (Turkey) and Massimo Chessa (Italy)

- 08:00 – 08:20** **Congenital and Structural Interventions – Limiting the Push or Pushing the Limits. Collaboration is Key!**
John Cheatham (US)
- 08:20 – 08:40** **Transcatheter left heart valve repair and replacement in ACHD Patients: Looking into the Future:**
Carlos Ruiz (Spain)
- 08:40 – 09:00** **Interventions in Patients with a Systemic RV: Window Dressing or Real Clinical Benefit?**
Lee Benson (Canada)
- 09:00 – 09:20** **Transcatheter Options for Increasing Longevity of the Fontan Circulation:**
Allison Cabalka (US)
- 09:20 – 09:30** **Questions & Discussion**

IMAGING, HEART FAILURE & TRANSPLANT:

MEETING ROOM 9

Moderators: Norman Silverman (US) and Shinichi Nunoda (Japan)

- 08:00 – 08:15** **Imaging in the Management of Non-Compaction Cardiomyopathy.**
Claudia Stollberger (Austria)
- 08:15 – 08:30** **Imaging in the Management of Dilated Cardiomyopathy.**
Satoshi Yasukochi (Japan)
- 08:30 – 08:45** **Imaging in the Management of Hypertrophic and Restrictive Cardiomyopathies.**
Frank Cetta (US)
- 08:45 – 09:00** **Imaging in the Management of HIV Cardiomyopathy.**
John Lawrenson (South Africa)
- 09:00 – 09:15** **State of the Art - the Value of Advanced Functional Imaging in the Cardiomyopathies.**
Luc Mertens (Canada)
- 09:15 – 09:30** **Discussion**

IMAGING & ANATOMY

MEETING ROOM 4

Moderator: Leo Lopez (US) and Robert Anderson (UK)

- 08:00 – 08:30** **VSD, or the hole between the ventricles: On reaching consensus in terms of nomenclature.**
Amy Juraszek(US) and Meryl Cohen (US)
- 08:30 – 09:00** **Double outlet right ventricle: What is so difficult about assigning a great artery to a ventricle?**
Robert Anderson (UK) and Leo Lopez (US)
- 09:00 – 09:30** **Vascular Rings and Slings: Embryology + 3D imaging = a new understanding of the lesion**
Kuberan Pushparajan (UK) and Vera Aiello (Brazil)

09:30 – 10:00 Break

POSTER SESSIONS: ANESTHESIA

08:00 -10:00	Posters to be Put Up
10:00 -12:00	Presenters to be Present
10:00 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

POSTER SESSIONS: HEART FAILURE, PULMONARY HYPERTENSION

08:00 -10:00	Posters to be Put Up
12:00 -13:30	Presenters to be Present
12:00 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

SURGERY: ATRIOVENTRICULAR SEPTAL DEFECT

MEETING ROOM 4

Presented in Association with AATS

Moderators: J. William Gaynor (US) and Camille Hancock Friesen (US)

10:00 – 10:20	Repair of Partial AV Canal and Transitional AV Canal. Carl Backer (US)
10:20 – 10:40	Operative Management of AV Canal in Developing Countries including Management of the older patient with AV Canal. Sherard Little (Jamaica)
10:40 – 11:00	Diagnosis and Management of Unbalanced AV Canal. David Overman (US)
11:00 – 11:20	Complex AV Canal including TOF/AV Canal and DORV/AV Canal. Sitaram Emani (US)
11:20 – 11:40	Reoperative cardiac surgery in patients with AV Canal? J. William Gaynor (US)
11:40 – 12:00	Panel Discussion

INTERVENTIONAL CARDIOLOGY: HYBRID THERAPIES FOR CHD

AUDITORIUM

Moderators: Mark Galantowicz (US) and Evan Zahn (US)

Panelists: Ahmet Celebi (Turkey), Lynn Peng (US), Jae Yong Choi (South Korea), Jou-Kou Wang (Taiwan)

10:00-10:40	Live Case #5 (Milan, Italy)
10:40 – 11:00	Establishing a Successful Hybrid Program John P. Cheatham (US)
11:00 – 11:20	The Hybrid approach for HLHS: Patient selection, Technical Considerations and Pooled Outcomes. Gareth Morgan (US)
11:20 – 11:40	Intra-operative stenting: Patient Selection and Technical Considerations: Evan Zahn (US)

11:40 -12:00 **Exit Angiography**
Ralf Holzer (US)

IMAGING: PERI-PROCEDURAL IMAGING IN CONGENITAL HEART DISEASE

MEETING ROOM 1

Moderators: Satoshi Yasukochi (Japan) and Seda Tierney (US)

10:00 – 10:15 **Pairing Guidelines with Imaging: Transposition of the Great Arteries**
Xavier Iriart (France)

10:15- 10:30 **AV Septal Defect (AVSD) & Unbalanced AVSD**
Meryl Cohen (US)

10:30 – 10:45 **Systemic venous anomalies**
Leo Lopez (US)

10:45 – 11:00 **Single Ventricle**
Seda Tierney (US)

11:00 – 11:15 **Cardiac Tumors**
Rebecca Beroukhim (US)

11:15 – 11:30 **The Aortopathies**
Julie DeBacker (Belgium)

11:30 – 11:45 **Heterotaxy Syndromes**
Norman Silverman (US)

11:45 – 12:00 **Discussion**

INTENSIVE CARE: MODULATING AND REDISTRIBUTING BLOOD FLOW IN CONGENITAL HEART DISEASE

MEETING ROOM 6

Moderators: Peter Rimensberger (Switzerland) and Toshio Nakanishi (Japan)

10:00 -10:20 **Pharmaceutical vasodilation and vasoconstriction of the systemic and pulmonary circulation.**
Steven Schwartz (Canada)

10:20 -10:40 **Positive and negative pressure ventilation.**
Lara Shekerdeman (US)

10:40 – 11:00 **Inspired gases – O₂, CO₂, N₂ and iNO.**
Joan Sanchez de Toledo (US/Spain)

11:00 – 11:20 **Impact of acid-base balance.**
Anke Furck (UK)

11:20 – 11:40 **Can we monitor our interventions in a meaningful way?**
George Hoffman (US)

11:40 – 12:00 **Panel Discussion**

Moderators: Annemarie Valente (US) and Candice Silversides (Canada)

- 10:00 – 10:15 Keynote Lecture: Pregnancy and Anticoagulation – what is the appropriate management in 2017?**
Jolien Roos Hesselink (Netherlands)
- 10:15- 10:30 Pregnancy and complex congenital heart disease – current outcomes.**
Candice Silversides (Canada)
- 10:30 – 10:45 Interventions and cardiac surgery during pregnancy – who, how and when?**
Carole Warnes (US)

Cases Examples: ACHD & Pregnancy

- 11:00 – 11:20 Case #1: Atrial Transposition**
Karen Stout (US)
- 11:20 – 11:40 Case #2: Aortopathies and pregnancy.**
Matthias Greutmann (Switzerland)
- 11:40 -12:00 Case #3: Fontan**
Gruschen Veldtman (US)

**ELECTROPHYSIOLOGY: GENETICALLY INHERITED SUDDEN DEATH SYNDROMES IN CHILDREN:
CHALLENGES & DILEMMAS IN CHANNELOPATHIES**

MEETING ROOM 3

Moderators: Michael Ackerman (US) and Charlie Berul (US)

- 10:00 – 10:15 Genetic Testing in 2017: Gaps, Crevices, or Canyons?**
Michael Ackerman (US)

Challenging Cases:

- 10:15 – 10:30 Brugada Syndrome**
Georgina Brugada (Spain)
- 10:30 – 10:45 Long QT Syndrome**
Jan Till (UK)
- 10:45 – 11:00 Arrhythmogenic RV Dysplasia**
Robert Hamilton (Canada)
- 11:00 – 11:15 Short QT Syndrome**
Juan Villafane (US)
- 11:15 – 11:30 Collaboration & Cooperation with Coroners and Medical Examiners in the evaluation of SCD**
Joel Kirsh (Canada)

Debate:

- 11:30 – 12:00 ICD Should Be First-Line Treatment for Catecholaminergic Polymorphic VT Patients Following a VF Arrest**
Pro: Shubhayan Sanatani (Canada)
Con: Arthur Wilde (Netherlands)

AMBULATORY: OBESITY IN CHILDHOOD

MEETING ROOM 2

Moderators: Stephen Daniels (US) and Juan Oliva (Spain)

- 10:00 – 10:20** **Worldwide prevalence and pattern of childhood obesity:**
Mercedes de Onis (Switzerland)
- 10:20 – 10:40** **Cardiometabolic consequences of obesity in the young:**
Elaine Urbina (US)
- 10:40 – 11:00** **Genetics, epigenetics and early environment on obesity and cardiovascular consequences:**
Tom Miller (US)
- 11:00 – 11:20** **Population strategies for childhood obesity: Future Directions**
Renate Oberhoffer (Germany)
- 11:20 – 11:40** **Discussion**

PULMONARY ARTERIAL HYPERTENSION: PULMONARY ARTERIAL HYPERTENSION (PAH)-CHD

MEETING ROOM 5

Moderators: ZC Jing (China) and Maurice Beghetti (Switzerland)

- 10:00 – 10:20** **Pathophysiology of pulmonary hypertension in congenital heart disease:**
Maurice Beghetti (Switzerland)
- 10:20 – 10:40** **Operability in PAH-CHD:**
Antonio Augusto Lopes (Brazil)
- 10:40 – 11:00** **Management of Eisenmenger syndrome:**
Gül Sağın Saylam (Turkey)
- 11:00 -11:20** **Evaluation and management of pulmonary hypertension in children with end stage left heart failure:**
Robert Weintraub (Australia)
- 11:20 – 11:40** **PAH in the child with Down Syndrome**
Mary Mullen (US)
- 11:40 – 12:00** **Persistent postoperative PAH:**
Gu Hong (China)

RHEUMATIC: ORAL ABSTRACTS AND KEYNOTE ADDRESSES

MEETING ROOM 8

Moderators: Craig Sable (US) and Liesl Zuhlke (South Africa)

- 10:00 - 10:10** **O2263 - The Utility of Highly Abbreviated Echocardiographic Protocol for Detection of Rheumatic Heart Disease: Prospective Population Based Study in Timor-Leste**
Kim Davies (Australia)
- 10:10 - 10:20** **O2425 – Echocardiographic Screening For Rheumatic Heart Disease In 4515 Sudanese Scholars: Evidence Of Health Inequity**
Sara Domi (Sudan)
- 10:20 - 10:30** **O1244 - Economic Load of Penicillin Prophylaxis on Families of Rheumatic Heart Disease Patients: Results from a Pediatric RHD Registry in India**
Anita Saxena (India)
- 10:30 - 10:40** **O1245 - Changing the Rheumatic Heart Disease Experience for Children in Uganda: The Impact of a Pediatric Support Group**
Amy Scheel (US)
- 10:40 - 10:50** **O2036 - The Diagnosis of Mild Rheumatic Heart Disease: Three Reviewers are Better Than One**
Elizabeth Tilton (New Zealand)
- 10:50 – 11:00** **O2104 - Longitudinal Outcomes of Ugandan Children Identified with Latent Rheumatic Heart Disease Through School-Based Screening**
Andrea Beaton (USA)
- 11:00 – 11:30** **Keynote 1: Eradication of Rheumatic Heart Disease (RHD): A reality - RHD should be a disease of the past.**
Liesl Zuhlke (South Africa)
- 11:30 – 12:00** **Keynote 2: Surgery for RHD- the need, the outcomes and the future.**
Sampath Kumar (India)

HUMANITARIAN: ABSTRACTS

MEETING ROOM 11

Moderators: Christopher Hugo-Hamman (South Africa)

- 10:00 - 10:10** **O1500 - Global Burden of Congenital Heart Disease**
Meghan Zimmerman, US
- 10:10 - 10:20** **O1227 - The Humanitarian Footprint. Contributions of Global Pediatric Cardiac Surgery to the Human Development Index of Low and Middle Income Countries**
Marcelo Cardarelli, US
- 10:20 - 10:30** **O1739 - Humanitarian Model to Rescue the Invisible Child: Free Cardiac Care for Congenital Heart Disease in India**
Ashish Katewa, India
- 10:30 - 10:40** **O2273 - Successful Model of a Sustainable Program for Low Income Pediatric Children with Congenital Heart Diseases in Developing Countries**
Néstor Fernando Sandoval Reyes, Colombia
- 10:40 – 10:50** **O2299 - Performance of Pediatric Cardiac Surgery Centers: a National Effort to reduce the gaps of burden of congenital heart disease in Colombia**
Néstor Fernando Sandoval Reyes, Colombia

10:50 - 11:00 **Discussion**

11:00 - 12:00 ***Consider attending Global Health Keynote Lectures on Rheumatic Heart Disease Session at Meeting Room 8***

ADMINISTRATIVE: LEADERSHIP

MEETING ROOM 10

Moderators: Dan Penny (US) and Martin Elliot (UK)

10:00 – 10:15 **What makes a good leader?**

Robert Campbell (US)

10:15 – 10:30 **Heart Institute versus Traditional Academic Silos**

Gary Stapleton (US)

10:30 – 10:45 **What the CEO wants from the Director of the Heart Center**

Martin Elliot (UK)

10:45 – 11:00 **What the Director of the Heart Center wants from the CEO.**

Mitchell Cohen (US)

11:00 – 11:15 **Leadership in Academic Medicine**

Dan Penny (US)

11:15 – 11:45 **Why are the best hospitals led by doctors?**

Metin Cakmakci (Turkey)

11:45 – 12:00 **Discussion**

MULTIDISCIPLINARY PEDIATRIC CARDIOLOGY POTPOURRI: INNOVACIÓN, TECNOLOGÍA Y EDUCACIÓN; EL FUTURO YA ESTÁ AQUÍ

MEETING ROOM 7

Presented in Association with SSPCCHS

Moderators: Juan Miguel Gil Jaurena (Spain) and José Caffarena (Spain)

10:00 – 10:20 **Minimally Invasive Pediatric Cardiac Surgery**

José Ignacio Aramendi (Spain)

10:20 – 10:40 **Multi-Imaging Fusion Technology in the Interventional Cardiac Lab**

Carlos Ruiz (Spain)

10:40 – 11:00 **I-challenges for the cardiologist Pediatric Interventional of the 21st century: the innovation, the industry and in-training.**

Federico Gutiérrez Larraya (Spain)

11:00 – 11:20 **Is it possible to innovate in fetal cardiology? Ways in which technology and education can change our approach to fetal heart**

Lucía Deiros Bronte (Spain)

11:20 – 11:40 **Minimally invasive procedures for the management of arrhythmias in children**

Georgia Sarquella-Brugada (Spain)

11:40 – 12:00 **Discussion**

*Session to be conducted in Spanish

12:15 – 13:15 JEOPARDY

Meeting Room 1

Moderator: Michael Brook (US) and Shak Quereshi (UK)

TEAM USA:

Ben Eidem
Meryl Cohen
Tom Karl

TEAM EUROPE:

Felix Berger
Emre Belli
Damien Bonnet

TEAM AUSTRALIA/ASIA

Krishna Iyer
Nigel Wilson
Yves Dudekem

TEAM GLOBAL

Bill Gaynor
Rodney Franklin
Vera Aiello

POSTER SESSIONS: AMBULATORY & ADULT CHD

08:00 -10:00	Posters to be Put Up
13:30 -15:30	Presenters to be Present
13:30 -18:00	Posters Open for General Viewing
19:00 -20:00	Posters to be Taken Down Following the Evening Plenary

SURGERY: WCPCCS 2017 JUAN COMAS SESSION

MEETING ROOM 4

Presented in Association with ECHSA in memory of Juan Comas, MD

Moderators: Sertaç Çiçek (Turkey) and Jose Fragata (Portugal)

13:30 – 13:50 “Juan Comas Memorial Lecture” Leadership in Congenital Heart Surgery (20 min)
Jose Fragata (Portugal)

Transposition of Great Arteries

13:50 – 14:05 Morphology and the “Transposition Spectrum”
Gaetano Thiene (Italy)

14:05 – 14:20 Surgical technique update
Mark Hazekamp (Netherlands)

14:20 – 14:35 Towards Uniformization – guidelines.
George Sarris (Greece)

14:35 – 14:50 Management of late referred cases.
Sertaç Çiçek (Turkey)

14:50 – 15:05 Long term results and complications.
Lorenzo Galletti (Italy)

15:05 - 15:30 Discussion

INTERVENTIONAL CARDIOLOGY: transcatheter PDA AND VSD CLOSURE

AUDITORIUM

Moderators: Shak Qureshi (UK), Felix Berger (Germany)

Panelists: Ender Odemis (Turkey), Tarek Momenah (Saudi Arabia), Jeff Harrisburg (South Africa)

13:30 – 14:10 Live Case #6 (Milan, Italy)

14:10 – 14:30 Closure of PDA's in extremely LBW infants: Parameters for Success:
Joaquim Miro (Canada, Barcelona)

14:30 – 14:50 Stenting the PDA is a Viable Alternative to Surgical Shunting in All Forms of Duct-Dependent Lesions
Pro: Sharon Cheatham (US)
Con: Hani Najm (Saudi Arabia)

14:50 – 15:10 Matching the device to the anatomy – The Key to Success in PDA Occlusion:
Carlos Pedra (Brazil)

15:10 – 15:30 Matching the device to the anatomy – The Key to Success in VSD Occlusion:
Mario Carminati (Italy)

Moderators: Nancy Ayres (US) Kuberan Pushparajah (UK) and Steve Colan (US)

- 13:30 – 13:50** **RV Quantification: 2D Echo vs. 3D Echo vs. CMR vs. CT**
Aurelio Secinaro (Italy)
- 13:50 – 14:10** **The Volume Loaded RV: Tetralogy of Fallot**
Tal Geva (US)
- 14:10 – 14:30** **The Pressure Loaded RV: Systemic RV in Biventricular Circulation**
Mark Friedberg (Canada)
- 14:30 – 14:50** **The Single RV in the Fontan Circulation:**
Yasir Qureshi(US)
- 14:50 – 15:10** **The Myopathic RV: Ebstein's Anomaly and Uhl's Anomaly**
Jan Marek (UK)
- 15:10 – 15:30** **Discussion**

ELECTROPHYSIOLOGY: EP ABSTRACT SESSION #2

MEETING ROOM 11

Moderators: Rami Fogelman (Israel) and Bhavya Trivedi (US)

- 13:30 - 13:40** **O1807 - Anxiety and Depression in Children with Pacemakers (PM) and Implantable Cardioverter Defibrillators (ICD)**
Victoria Herbsleb (Germany)
- 13:40 - 13:50** **O2454 - Finding A New Rhythm: A Specialised Multidisciplinary Model of Care to Improve Psychological Adjustment in Families of Children with Rare Inherited Arrhythmia Conditions**
Nadine Kasparian (Australia)
- 13:50 - 14:00** **O2386 - Clinical Outcomes Of Left Cardiac Sympathetic Denervation: A Multi-Centric Study**
Ferran Rosés-Noguer (Spain)
- 14:00 - 14:10** **O1978 - Cognitive Requirements for Automatic External Defibrillator Use. Are We Starting Too Young?**
Christopher Snyder (US)
- 14:10 - 14:20** **O2060 - How to Determine Inherited Cardiac Arrhythmias in Children with Unexplained Syncope**
Tatyana Trofimova (Russia)
- 14:20 - 14:30** **O1783 - A New Holter Technique to Diagnose and Risk Stratify Children with Long QT Syndrome**
Kathryn Waddell-Smith (New Zealand)
- 14:30 - 14:40** **O2120 - The Clinical Course And Prognosis Of Multifocal Atrial Tachycardia In Children**
Seung Min Baek (South Korea)
- 14:40 - 14:50** **O1194 - Ventricular Tachycardia In Pediatric Population**
Shuenn-Nan Chiu (Taiwan)
- 14:50 - 15:00** **O1105 - Permanent Cardiac Pacing in Children in a Sub-Saharan Tertiary Centre**
Tantchou Tchoumi Jacques Cabral (Cameroon)

- 15:00 - 15:10** **O2740 - Outcome Of Transvenous Lead Extraction In Children: A Sixteen-Year Paediatric Case Series**
Andrianos Kontogeorgis (UK)
- 15:10 - 15:20** **O1553 - Left Ventricular Apical Pacing in Children-Feasibility and Long-Term Effect on Ventricular Function**
Jan Kovanda (Czech Republic)
- 15:20 - 15:30** **O1126 - Alivecor for Life - A Different Approach to Cardiac Event Monitoring in Children**
Mairi MacInnes (UK)

INTENSIVE CARE: WELLBEING AND ETHICAL DILEMMAS CARDIAC INTENSIVE CARE

MEETING ROOM 6

Moderators: Roxanne Kirsch (Canada) and Harris Baden (US)

- 13:30 – 13:50** **Do we really have nothing more to offer and who decides?**
Roxanne Kirsch (Canada)
- 13:50 – 14:10** **Withdrawal of life support in the era of mechanical circulatory support?**
Ravi Thiagarajan (US)
- 14:10 – 14:30** **Recognizing and treating secondary victims after team errors.**
Harris Baden (US)
- 14:30 – 14:50** **Caring for the team after a death in the CICU.**
Allan Goldman (UK)
- 14:50 – 15:10** **Everyday I have to make decisions based on limited resources.**
Parvathi Iyer (India)
- 15:10 – 15:30** **Panel Discussion**

ACHD: HEART FAILURE/TRANSPLANTATION IN ACHD

MEETING ROOM 9

Moderators: Folkert Meijboom (Netherlands) and Gruschen Veldtman (US)

- 13:30 – 13:40** **O1064 - Factors Associated with Long-Term Mortality After Fontan Procedures. Risk Score Creation Based on Sytematic Review of 6707 Patients from 28 Studies**
Gruschen Veldtman (US)
- 13:40 – 13:50** **O2525 - Arterial Switch Operation for Patients with Transposition of the Great Arteries: A Single Centre Twenty-Eight Year Experience**
Vladimiro Vida (Italy)
- 13:50 – 14:00** **O1578 - Attention Deficit Hyperactivity Disorder in Large Asia Congenital Heart Disease Cohort**
Chia-Ching Wang (Taiwan)
- 14:00 – 14:10** **O1962 - Surgical Outcome for Complications After Repair in Adult Congenital Heart Disease**
Kosuke Yoshizawa, Japan
- 14:10 – 14:15** **Discussion**
- 14:15 – 14:30** **Heart failure therapy and transplant for ACHD; where are we in 2017?**
Lucy Roche (Canada)
- 14:30 – 14:45** **Mechanical support for the Fontan and Systemic RV patient: Identifying the ideal patient for VAD or TAH.**
David Morales (US)

- 14:45 – 15:00** **Which ACHD patients may benefit from CRT?**
Jean-Benoit Thambo (France)
- 15:00– 15:15** **The role of the interventionalist in ACHD patients with heart failure**
Lee Benson (Canada)
- 15:15-15:30** **Discussion**

HEART FAILURE: HEART FAILURE ABSTRACT SESSION #2

MEETING ROOM 15

Moderators: Anne Dipchand (Canada) and Daphne Hsu (US)

- 13:30 - 13:40** **O2396 - Reduced Exercise Performance is Related to Number of Thoracic Surgeries in Children with Corrected TOF or Fontan Circulation**
Graziella Eshuis (The Netherlands)
- 13:40 - 13:50** **O1262 - Mitochondrial Oxidant Stress and Iron Dysregulation in Doxorubicin-Induced Cardiomyopathy**
John Charpie (US)
- 13:50 - 14:00** **O2961 - Lack of Rejection and Evidence of Autologous Cell Repopulation Following Heterotopic Implantation of Decellularized Pulmonary Homografts: Pathological Results in a Murine Model**
Massimo Padalino (Italy)
- 14:00 - 14:10** **O1354 - Progress in the Generation of Multiple Lineage Human-IPSC-Derived 3D Engineeered Cardiac Tissues for Cardiac Repair**
Bradley Keller (US)
- 14:10 - 14:20** **O2873 - Outcome of Paediatric Patients with CHD Transferred From Their Regional CICU to a Unit With Transplant and MCS Capability**
Barbara Cardoso (UK)
- 14:20 - 14:30** **O2398 - Outcome Following Assessment of Paediatric Patients for Cardiac Transplant**
Rebecca Johnson (UK)
- 14:30 - 14:40** **O2577 - Outcomes after Heart Transplant at Texas Children’s Hospital: Focus on Retransplantation**
Rodrigo Zea-Vera (US)
- 14:40 - 14:50** **O2081 - Prospective Echocardiographic Evaluation of Ventricular Loading Conditions in Pediatric Patients with Pulsatile Flow LVAD**
Arianna Di Molfetta (Italy)
- 14:50 - 15:00** **O2035 - Pilot Study of Warfarin Genotype Polymorphisms in Children with VAD**
Francesca Iodice (Italy)
- 15:00 - 15:10** **O3031 - A Novel, Miniature Implantable Continuous Flow Pediatric VAD**
Peter Wearden (US)
- 15:10 - 15:20** **O3027 - The Pumpkin Trial: Study Design and Rationale**
Christopher Almond (US)
- 15:20 - 15:30** **Discussion**

Moderators: Lisa Moore (US) and Patty Hickey (US)

- 13:30 – 13:50 Location Matters: Pediatric Versus Adult Hospitals**
 Pro: Steve Crumb (US)
 Con: Phillip Moons (Belgium)
- 13:50 – 14:10 What Every Pediatric Nurse Needs to Know About Inpatient Care for Adults with Congenital Heart Disease in 20 Minutes or Less?**
 Glen Au (US)
- 14:10 – 14:50 The Adult Congenital Heart Disease Survivor: What to Expect as the CHD Patient Ages**
 Ariane Marelli (Canada)
- 14:50 – 15:10 The Time is Now, Or Is It? Transition to Adult Care**
 Ami Bhatt (US)
- 15:10 – 15:30 Psychosocial Needs of Young Adults with CHD**
 Susan Fernandes (US)

ANESTHESIA: KEY NOTE LECTURE AND TOP 4 SCIENTIFIC ABSTRACTS
MEETING ROOM 3

Moderators: Jim Dinardo (US) and Nina Guzzetta (US)

- 13:30 - 13:40 O1999 - Baseline MA-FF, FLEV, and Fibrinogen Levels in Neonates, Infants, and Children with Congenital Heart Defects**
 Michelle DaCosta (US)
- 13:40 - 13:50 O1863 - Outcomes of Children with Congenital Heart Disease Undergoing Bypass Surgery by Route of Tracheal Intubation in the United States: An Analysis of the Society of Thoracic Surgeons Congenital Heart Surgery Database**
 Nathaniel Greene (US)
- 13:50 - 14:00 O1110 - Preoperative Nutritional Deficits Worsen Outcomes Following Pediatric Cardiac Surgery**
 Faith Ross (US)
- 14:00 - 14:10 O2401 - Double Blind Randomized Placebo-Controlled Trial Comparing the Effects of Anti-Thrombin vs Placebo on the Coagulation System in Infants with Anti-Thrombin Deficiency Undergoing Congenital Cardiac Surgery**
 Rebecca Scholl (US)
- 14:10 - 14:20 O2207 - Anesthetic Management of Abo-Incompatible Pediatric Orthotopic Heart Transplant: a Case Series**
 Theodora Wingert (US)
- 14:20 - 14:30 Questions and Answers**
- 14:30 – 15:10 Keynote Lecture: The impact of anesthesia on neuro-developmental outcomes in children with congenital heart disease.**
 Dean Andropoulos (US)
- 15:10 – 15:30 Discussion**

PAH: TREATMENT OF PULMONARY ARTERIAL HYPERTENSION (PAH)

MEETING ROOM 5

Moderators: Damien Bonnett (France) and Georg Hansmann (Germany)

- 13:30 – 13:50 General measures:**
R. Krishna Kumar (India)
- 13:50 – 14:10 cGMP Treatment:**
Tilman Humpl (Canada)
- 14:10 – 14:30 Prostacyclin Treatment:**
Shozaburo Doi (Japan)
- 14:30 – 14:50 Endothelin Receptor Antagonist Treatment:**
Maurice Beghetti (Switzerland)
- 14:50 – 15:10 Interventional Approaches in Pulmonary Hypertension (BAS/Cath Potts):**
Dietmar Schranz (Germany)
- 15:10 – 15:30 Surgical Approaches in PAH (Potts/Transplant):**
Damien Bonnet (France)

RHEUMATIC: ACUTE RHEUMATIC FEVER & RHEUMATIC HEART DISEASE: CONTROVERSIES AND HOPE

MEETING ROOM 8

Moderators: Bo Remenyi (Australia) and Andrea Beaton (US)

- 13:30 – 13:50 Primary prevention (strep treatment) holds best hope for eradication of RHD**
PRO: Mark Engel (South Africa)
CON: Anita Saxena (India)
- 13:50 – 14:10 Echo screening/secondary prevention holds best hope for eradication of RHD**
PRO: Mariana Mirabel (France)
CON: Krishna Kumar (India)
- 14:10 – 14:30 Ideal ARF Criteria are the 2015 Jones Criteria Adequate**
PRO: Craig Sable (US)
CON: Diana Lennon (New Zealand)
- 14:30 – 14:50 Implementing a comprehensive RHD control program**
Sulafa Ali (Sudan)
- 14:50 – 15:10 Patients, advocacy groups and global action initiatives.**
Ann Olga Mocumbi (Mozambique)
- 15:10 – 15:30 Discussion**

Moderators: Martin Elliott (UK) and Sara Pasquali (US)

- 13:30 – 14:00 What is value?**
Martin Elliot (US)
- 14:00 – 14:30 Where do we get data to measure value?**
Robert Campbell(US)
- 14:30 – 15:00 How do we analyze data about value?**
Sara Pasquali (US)
- 15:00 – 15:10 O1973 - How Hard Do Cardiologists Work? The Patient Encounter Index (Pei): A Novel Method to Assess the Clinical Workload of a Paediatric Cardiology Service**
Rik De Decker (South Africa)
- 15:10 – 15:20 O1289 - Improving Timely Discharge by Using Goal Oriented Rounding and Team Based Communication**
Alistair Phillips (US)
- 15:20 – 15:30 O1660 - A Clinical Effectiveness Program Leveraging Aggregate Patient Data at the Point of Care Improves Value in Patients Undergoing Congenital Heart Surgery**
Andrew Shin (US)

**BRIDGING SESSION: SURGERY & AMBULATORY CARDIOLOGY:
DIAGNOSIS AND MANAGEMENT OF AORTOPATHIES**

MEETING ROOM 2

Moderators: Jonathan Johnson (US) and Luca Vricella (US)

- 13:30 – 13:50 Genetic and molecular basis of aortic disease in children**
Josephina Meester (Belgium)
- 13:50 – 14:10 Pre- and post-operative imaging in children with aortic root dilation**
Philip Spevak (US)
- 14:10 – 14:30 Operations to address aortic dilation in children and adolescents**
Duke Cameron (US)
- 14:30 – 14:50 Management of non-syndromic aneurysms in young patients**
Luca Vricella (US)
- 14:50 – 15:10 Follow-up of pediatric patients with aortic pathology**
Jonathan Johnson (US)
- 15:10 – 15:30 Panel Discussion**

RACE, CLASS, AND GENDER: ADDRESSING DISPARITIES IN CHD

MEETING ROOM 14

Presented in Association with ICHLS

Moderators: Dusty Pearson

- 1:30 – 13:45** **The Invisible Child and a global vision for CHD Health**
Chris Hugo-Hamman (South Africa)
- 13:45 – 14:00** **CHD is a Feminist Issue: Women's Rights and Sustainable CHD Programs**
Bistra Zheleva (US)
- 14:00 – 14:15** **Race, Class and CHD Outcomes**
Titus Chen (US)
- 14:15 – 14:30** **CHD and RHD: Two Diseases, One Voice**
Amy Verstappen (US)
- 14:30 – 15:00** **My Heart vs. My Real World: Cultural Challenges in CHD**
Patient/Family Panel: TBD
- 15:00 – 15:30** **Round Table: Advocacy Strategies for Reducing CHD Disparities**
Above plus Ann-Marie Saarinan, Annabel LaVieille, Amy Basken, Joanna Markbreiter (RHD Action/World Heart), Kathy Jenkins, Scott Leezer

15:30 – 16:00 Break

PLENARY: THE PAST, PRESENT, AND FUTURE OF HEART TRANSPLANTATION: 50 YEARS BEYOND BARNARD

AUDITORIUM

Moderators: Sertaç Çiçek (Turkey) and Robert Shaddy (US)

- 16:00 – 16:20** **Optimizing ALL Medical Options When Transplantation Resources are Limited.**
Shinichi Nunoda (Japan)
- 16:20 – 16:40** **The Past – 50 years of Pediatric Heart Transplantation – What Have We Learned?**
Leonard Bailey (US)
- 16:40 – 17:00** **The Era of the VAD and Bridging to Transplant**
Roland Hetzer (Germany)
- 17:00 -17:20** **The Future – Tolerance and Regeneration – Will we Need Transplantation 50 Years from Now?**
Lori West (Canada)

PICS AT WORLD CONGRESS PEDIATRIC CARDIOLOGY & CARDIAC SURGERY

MEETING ROOM 1

Moderators: Damien Kenny (Ireland) and Tom Jones (US) and Shak Qureshi (UK)

Panelists: Jae Yong Choi(Korea), Tom Forbes (US), Felix Berger(Germany), Hideshi Tomita (Japan)

- 16:00 – 17:00** **Round table Discussion: Working globally to promote congenital cardiac devices (FDA, CE, etc.)**
Nicole Ibrahim (USA-FDA), Ziyad M. Hijazi (Qatar), Tom Forbes (US)
- 17:00 – 18:00** **Nightmare Cases (5 minutes + 5 minutes discussion) 6 cases**

“Evening Concert by the Baby Blue Sound Collective”

19:30 – 22:30 (MEETING ROOM 12)

An International Musical Group of Pediatric Cardiologists and Cardiac Surgeons, Featuring:

Emre BELLİ
Stuart BERGER
Jeff BORIS
Joe DEARANI
Dick DONNER
Lisa HORNBERGER
Hajime ICHIKAWA
Tom KARL
Beth KAUFMAN
Leo LOPEZ
Jim TWEDDELL
Andrew VAN BERGEN
Gil WERNOVSKY



“WAKE UP” BACK TO BASIC BREAKFAST SYMPOSIUMS

PACEMAKER TRAINING SESSION FOR PEDIATRIC CARDIOLOGISTS

MEETING ROOM 5

Moderator: Andrew Papez (US)

07:00 – 07:20 **Understanding basic pacemaker timing cycles.**
Peter Karpawich (US)

07:20 – 07:40 **Troubleshooting pacemaker issues.**
Jason Wildschut (Australia)

IMAGING & PATHOLOGY CORRELATION SESSION

MEETING ROOM 6

Moderator: Leo Lopez (US)

07:00 – 07:20 **Congenital Tricuspid Valve Disease.**
Benjamin Eidem (US) and Robert Anderson (UK)

07:20 – 07:40 **Congenital Coronary Anomalies.**
Lucille Houyel (France) and Vitor Guerra (US)

ECMO & VENTRICULAR ASSIST DEVICES (VAD)

MEETING ROOM 7

Moderators: Ravi Thiagarajan (US)

07:00 – 07:20 **Fundamentals of ECMO**
Ravi Thiagarajan (US)

07:20 – 07:40 **Fundamentals of VADs**
Peter Wearden (US)

**INTENSIVE CARE AND SURGERY:
IS THERE A ROLE FOR REMOTE ISCHEMIC PRE-CONDITIONING?**

MEETING ROOM 8

07:00 – 07:40 Andrew Redington (US)

BRIDGING TOGETHER SESSIONS

SURGERY AND ANESTHESIA

MEETING ROOM 2

Moderators: Wanda Miller-Hance (US) and John Beca (New Zealand)

08:00 – 08:30 Debate: Normothermic CPB is safe

Pro: Emre Belli (France)

Con: James DiNardo (US)

Perspectives on patient care: Early extubation for infant cardiac surgery:

08:30 – 08:50 Anesthesia Perspective:

Alexander Mittnacht (US)

08:50 – 09:10 Surgical Perspective:

James Hammel (US)

09:10 – 09:30 Discussion

INTERVENTIONAL CATHETERIZATION & FETAL CARDIOLOGY

AUDITORIUM

Moderators: Simone Pedra (Brazil)

08:00 – 08:20 Imaging for fetal Interventions: What progress have we made over the last decade?

Lisa Hornberger (Canada)

08:20 – 09:00 Defining the Boundaries for A Fetal Interventional Program: Lessons Learned and Future Perspectives:

US Perspective: Wayne Tworetzky (US) 20 min

European Perspective: Gerard Tulzer (Austria) 20 min

09:00 – 09:20 Balloon Aortic Valvuloplasty: Whom should we be referring and what outcomes can we expect?

Doff McElhinney (US)

09:20 – 09:30 Questions & Discussion

ELECTROPHYSIOLOGY & INTENSIVE CARE

MEETING ROOM 4

Moderators: Ronn Tanel (US) and Jun Yoshimoto (Japan) and Sara Teele (US)

08:00 – 08:15 When should the cardiac surgeon have to put in pacing wires?

Antonio Corno (Italy)

08:15 – 08:30 Why an Intensive Care physician should think like an Electrophysiologist

Peter Aziz (US)

08:30 – 08:45 Why an Electrophysiologist should think like an Intensive Care doctor.

Vamsi Yargardala (US)

Challenging ICU-EP Cases:

08:45- 09:00 Challenging Bradyarrhythmias

Yaniv Bar-Cohen (US)

09:00 – 09:15 Challenging Tachyarrhythmias

Gabrielle Hessling (Germany)

09:15 – 09:30 Discussion

ACHD, PAH, AND HEART FAILURE

MEETING ROOM 1

Moderators: Lucy Roche (Canada) and Anne Marie Valente (US)

- 08:00 -08:20** **Approaching Pulmonary Arterial Hypertension in unrepaired congenital lesions – “treat and repair”, “repair and treat”, or “don’t close”?**
Maurice Beghetti (Switzerland)
- 08:20 – 08:40** **Imaging assessment of ACHD patients in heart failure – can we do better?**
Anne Marie Valente (US)
- 08:40 – 09:00** **Heart Transplantation in ACHD – the good, the bad and the ugly!**
Steve Zangwill (US)
- 09:00 – 09:20** **Debate: ACHD Patients are Disadvantaged in Current Organ Allocation Systems**
Pro: David Crossland (UK)
Con: Jonathan Chen (US)

NURSING & ADMINISTRATION DEVELOPING NURSE LEADERS

MEETING ROOM 9

Moderators: Lisa Moore (US) and Jean Storey (US)

**Each of the first four speakers will focus on a single nurse-led initiative that they are proud of or has produced positive outcomes for patients.

- 08:00 – 08:10** **Exemplar of Nursing Impact in Oceania**
Ana Kennedy (New Zealand)
- 08:10 – 08:20** **Exemplar of Nursing Impact in Europe**
Liz Smith (UK)
- 08:20 – 08:30** **Exemplar of Nursing Impact in Asia**
Vivian Shen (China)
- 08:30 – 08:40** **Exemplar of Nursing Impact in Africa**
Ncedi Stemela (South Africa)
- 08:40 – 09:00** **Nursing Leadership in the 21st Century**
Patricia Hickey (US)
- 09:00 – 09:30** **Panel Discussion**

AMBULATORY & ENDOCARDITIS/PERICARDITIS

MEETING ROOM 3

Moderators: Joseph Rossano (US) and Querralt Ferrer (Spain)

- 08:00 – 08:20** **Endocarditis guidelines – What’s New?**
Elfriede Pahl (US)
- 08:20 – 08:40** **Myopericarditis & perimyocarditis– Clarifying the Diagnosis**
Elizabeth Blume (US)
- 08:40 – 09:00** **Hyper-eosinophilic endocarditis and hyper-eosinophilic syndromes.**
Lucy Youngmin Eun (South Korea)
- 09:00 – 09:20** **Acute pericarditis etiologies and management.**
J. Lynn Jeffries (US)
- 09:20 – 09:30** **Discussion**

09:30 – 10:00 Break

POSTER SESSIONS: RHEUMATIC

- 08:00 -10:00 Posters to be Put Up
10:00 -12:00 Presenters to be Present
10:00 -18:00 Posters Open for General Viewing
19:00 -20:00 Posters to be Taken Down Following the Evening Plenary

SURGERY: SURGICAL ISSUES RELATED TO TETRALOGY OF FALLOT

MEETING ROOM 4

Presented in Association with AATS

Moderators: Frank Pigula (US) and Jim Jagers (US)

- 10:00 – 10:20** **Surgical approaches to Palliation: Systemic to pulmonary artery shunt, transannular patch only.**
Hancock Friesen (US)
- 10:20 – 10:40** **Tetralogy of Fallot: What Operations are ACTUALLY Most Commonly Performed in Europe and North America and what are their outcomes? Lessons Learned from the ECHSA/EACTS Congenital Heart Surgery Database and the STS Congenital Heart Surgery Database.**
Marshall Jacobs (US)
- 10:40 – 11:00** **Repair of tetralogy with a valve preserving trans-annular patch.**
Tom Karl (US)
- 11:00 – 11:20** **Management of the Pulmonary Valve in Adults with tetralogy of Fallot.**
Jim Jagers (US)
- 11:20 – 11:40** **What is the best prosthetic valve for the adult with tetralogy?**
Frank Pigula (US)
- 11:40 – 12:00** **Panel Discussion**

Moderators: Carlos Pedra (Brazil) and Doff McElhinney (US)

Panelists: Alper Guzeltas (Turkey) , Fawzi Matouk, Bogdan Cherpak

10:00-10:45 Live Case # 7 (London, UK)

Moderators: Mansur Al-Jofan, Wail Alkashkari(Saudi Arabia) and Carlos Pedra (Brazil)

- 10:45 - 10:55 O1649 - Long-Term Outcome Following Percutaneous Closure Of Isolated Secundum Atrial Septal Defects In Children: A French Nationwide Series Of 1000 Consecutive Patients**
Zakaria Jalal (France)
- 10:55 - 11:05 O1081 - Safety and Efficacy of Transcatheter Closure of Outlet-Type Ventricular Septal Defects in Children and Adults with Amplatzer Duct Occluders**
Hsin-Chia Lin (Taiwan)
- 11:05 - 11:15 O1907 - Percutaneous Closure Of Patent Ductus Arteriosus With The Nit-Occlud® PDA Device In 268 Consecutive Cases**
Andrii V. Maksymenko (Ukraine)
- 11:15 - 11:25 O2983 - First Multicenter, Transatlantic Experience with the New Ultrasept Device for Atrial Septal Defect Percutaneous Closure**
Jose Diogo Martins (Portugal)
- 11:25 - 11:35 O1411 - Implantation of a Novel Atrial Flow Regulator Device in Severe Pulmonary Arterial Hypertension**
Sreeja Pavithran (India)
- 11:35 - 11:45 O1840 - Stent Placement for Treatment of Aortic Coarctation in Children Under 30 Kg: Acute and Long-Term Outcomes**
Carlos Pedra (Brazil)
- 11:45 - 12:00 Discussion**

IMAGING: IMAGING SESSION & ABSTRACTS

MEETING ROOM 1

Moderators: Mary Donofrio (US) and Wayne Tworetzky (US)

- 10:00 - 10:10 O1230 - Development of Systolic Ventricular Function After the Fontan-Operation**
Thomas Möller (Norway)
- 10:10 - 10:20 O2045 - Impact of Loading Conditions on Ventricular Function Before and After Cone Reconstruction in Ebstein's Anomaly**
Elodie Perdreau (France)
- 10:20 - 10:30 O2073 - Three-Dimensional Echocardiography Versus Cardiac Magnetic Resonance For Assessment of the Right Ventricular Volumes in Patients with Congenital Heart Disease After Percutaneous Pulmonary Valve Implantation**
Francesca R Pluchinotta (Italy)
- 10:30 - 10:40 O2162 - Multi-Parametric Echocardiographic Assessment for Preoperative Decision Making in Surgical Treatment of Atrioventricular Septal Defect**
Anastasia Schleiger (Germany)

- 10:40 - 10:50** **O2664 - Diastolic Kinetic Energy Measured by 4d Flow Magnetic Resonance Imaging is Related to Restrictive Right Ventricular Physiology in Patients with Repaired Tetralogy of Fallot**
Pia Sjöberg (Sweden)
- 10:50 - 11:00** **O2255 - Quantification of Pulmonary Valve Regurgitation in Patients with Tetralogy of Fallot by a Novel Echocardiographic Imaging of Vector Flow Mapping**
Satoshi Yasukochi (Japan)
- 11:00 – 11:20** **Fetal screening – Who, When, and Why to Screen**
Julene Carvalho (UK)
- 11:20 – 11:40** **The Abnormal Placenta in CHD**
Jack Rychik (US)
- 11:40 – 12:00** **Cardiovascular Genetic Considerations for the Abnormal Fetal Heart**
Shab Peyvandi (US)

INTENSIVE CARE: THE FUTURE OF RESEARCH AND INNOVATION IN CARDIAC ICU

MEETING ROOM 6

Moderators: John Beca (New Zealand) and Christopher Mastropietro(US)

- 10:00 – 10:20** **Acuity adaptable care in the CICU.**
John Costello (US)
- 10:20 – 10:40** **Re-structuring the education of the next generation of cardiac intensivists.**
Damian Hutter (Switzerland)
- 10:40 – 11:00** **Doing more and better for less: Mission impossible?**
Martin Elliott (UK)
- 11:00 – 11:20** **Can we make rounds more efficient and effective?**
Duncan Macrae (UK)
- 11:20 – 11:40** **Clinical Trials: What's New? What's Next? Do We Care?**
Maryam Naim (US)
- 11:40 – 12:00** **Panel Discussion**

ACHD: ADVANCE CARE PLANNING IN ACHD: PREPARING PATIENTS AND PROVIDERS

MEETING ROOM 9

Moderators: Sue Fernandes (US) and Erwin Oechslin (Canada)

- 10:00 – 10:15** **Mortality in ACHD: A global perspective.**
Gerhard Diller (Germany)
- 10:15 – 10:30** **Advance care planning: Who, what, where, when and why?**
Adrienne Kovacs (US/Canada)
- 10:30 – 10:45** **What can we learn from advance care planning and palliative care in acquired heart disease?**
Daniel Tobler (Switzerland)
- 10:45 -11:00** **What can we learn from adolescent palliative care?**
Roxanne Kirsch (US)

- 11:00 -11:15** **Cultural variation in end-of-life care: A case presentation from Japan.**
Koichiro Niwa (Japan)
- 11:15 – 11:30** **Cultural variation in end-of-life care: A case presentation from Switzerland.**
Matthias Greutmann (Switzerland)
- 11:35 -11:45** **Cultural variation in end-of-life care: A case presentation from North America.**
Karen Stout (US)
- 11:45– 12:00** **Panel Discussion**

ELECTROPHYSIOLOGY: PREVENTING ARRHYTHMIAS AND SUDDEN DEATH IN CHD

MEETING ROOM 3

Moderators: Stu Berger (US) and Ferran Rosés i Noguer (Spain) and Gabrielle Hessling (Germany)

- 10:00 – 10:15** **Using statistics to predict risk?**
Phil Saul (US)
- 10:15 – 10:30** **No sports! That will solve the issue?**
Alfred Hager (Germany)
- 10:30 – 10:45** **Are anti-arrhythmic agents obsolete?**
Edward Walsh (US)
- 10:45 – 11:00** **Return of sinus rhythm late after pacing a child with complete heart block: Is it safe to remove the device and prevent sudden death?**
Naokata Sumitomo (Japan)
- 11:00 – 11:15** **Non-conventional ICD Implantation in CHD patients, the horizon is limitless**
Charlie Berul (US)
- 11:15 – 11:30** **Single Ventricle and Multiple Arrhythmias Is There Any Hope?**
Barbara Deal (US)
- 11:30 – 11:45** **Surgical strategies NOW to prevent future arrhythmias: A Surgeon's Perspective.**
Y'ves Dudekem (AUS)
- 11:45– 12:00** **Panel Discussion**

ANESTHESIA: ANESTHETIC CONSIDERATIONS IN CONGENITAL HEART DISEASE

MEETING ROOM 11

Moderators: Wanda Miller-Hance (US) and Phil Arnold (UK)

- 10:00 -10:20** **Non-cardiac surgery and CHD: which patients are at increased risk and why?**
James DiNardo (US)
- 10:20 – 10:40** **Anesthetic considerations in the cardiac catheterization laboratory.**
Hema Nair (India)
- 10:40 – 11:00** **Anesthetic considerations in the patient with pulmonary hypertension.**
Mark Twite (US)
- 11:00 – 11:20** **Anesthetic considerations in the adult with congenital heart disease.**
Jane Heggie, (Canada)

11:20 – 11:40 Anesthetic considerations for mechanical support devices.
Hannah Ravn (Denmark)

11:40 – 12:00 Discussion

**TRANSPLANT & HEART FAILURE:
THE BEST OF HEART FAILURE AND TRANSPLANT – HOT TOPICS AND ABSTRACTS**

MEETING ROOM 5

Moderators: Antonio Amodeo (Italy) and Jonathan Johnson (US)

10:00 - 10:10 O2336 - Neonatal Ebstein's Anomaly – What's to Expect?
Livia Kapusta (The Netherlands)

10:10 - 10:20 O2823 - Heart Rate Reduction Strategy in Duchenne's Muscular Dystrophy
Rachele Adorisio (Vatican City)

10:20 - 10:30 O2391 - Short-Term Prognostic Indicators in ACHD Patients with Heart Failure
S. Lucy Roche (Canada)

10:30 - 10:40 O1921 - Altered Aortic Valve Leaflet Gene Expression Following Continuous Flow VAD Therapy in Pediatric Patients
Katsuhide Maeda (US)

10:40 - 10:50 O1628 - Continuing Challenges in Pediatric MCS: Analysis of the Pedimacs Registry
Elizabeth Blume (US)

10:50 - 11:00 O1978 - Cardiac Regenerative Therapy Using Cardiac Progenitor Cell for Hypoplastic Left Heart Syndrome
Shunji Sano (US)

11:00 – 11:20 Pediatric Myocarditis – an update.
Joseph Rossano (US)

11:20 – 11:40 Medical Management of Childhood Hypertrophic Cardiomyopathy.
Juan Pablo Kaski (UK)

11:40 – 12:00 ABO-Incompatible Transplantation – Lessons Learned and Future Directions.
Lori West (Canada)

**HUMANITARIAN:
"LEAPFROGGING": KNOWLEDGE TRANSFORMATION AND SUSTAINABILITY**

MEETING ROOM 8

Moderators: Krishna Kumar (India) and Shakeel Qureshi (UK)

10:00 – 10:05 Introduction (5 min):
R. Krishna Kumar (India)

10:05 – 10:25 Humanitarian surgical missions have failed the test of sustainability.
Ulisses Croti (Brazil)

10:25 – 10:45 Distance learning and support through on-line technology.
Sunita Maheshwari (India)

10:45 – 11:05 Information technology (EMR) use in developing pediatric cardiac services.
Duminda Samarasinghe (Sri Lanka)

- 11:05 – 11:25** **The International Quality Improvement Collaborative (IQIC) provides tangible program support.**
Kathy Jenkins (US)
- 11:20 – 11:35** **What has happened in China?**
An Qi (China)
- 11:35 – 12:00** **Discussion:** Led by Shakeel Qureshi (UK)

AMBULATORY LV Outflow Tract Obstruction: from Fetal to Adult Life
Presented in Association with PACHDA

MEETING ROOM 2

Moderators: Riyadh Abu-Sulaiman (Saudi Arabia) and Ziyad Hijazi (Qatar) and Hani Najm (US)

- 10:00 – 10:20** **Fetal Detection for Left Ventricular Outflow Tract (LVOT) Obstruction**
Merna Atiyah (Saudi Arabia)
- 10:20 – 10:40** **Anatomical Variations of LV Outflow Tract:**
Hala El Marsafawy (Egypt)
- 10:40 – 11:00** **Echocardiographic Imaging of LVOT:**
Fahad Al Habshan (Saudi Arabia)
- 11:00 – 11:20** **Surgical Options for LVOT**
Zohair Al Halees (Saudi Arabia)
- 11:20 – 11:40** **Case Presentation:**
Ziad Bulbul (Lebanon)
- 11:40 – 12:00** **Panel Discussion**

NURSING: OPTIMIZING A SUCCESSFUL CAREER

MEETING ROOM 7

Moderators: Sandy Staveski (US) and Ashley Collins (US)

- 10:00 – 10:20** **Checklists: Two Perspectives**
Utilization of Checklists to Ensure Quality
Lisa Moore (US)
- Overutilization of Checklists**
Jason Thornton (US)
- 10:20 – 10:40** **Bundles and Pathways: What's the Evidence?**
Phillip Moons (Belgium)
- 10:40 – 11:00** **Pathway Outcomes: Do They Really Improve Care?**
Martha Curley (US)
- 11:00 – 11:20** **Optimizing compliance without breaking the bank.**
Mary McLellan (US)
- 11:20 - 11:30** **O1516 - Health Related Quality of Life in Post-Operative Congenital Heart Disease Patients: Single Centre Experience from Pakistan**
Laila Akbar Ladak (Australia)
- 11:30 - 11:40** **O1758 - Evaluation of Cicu Advanced Practice Provider Education and Practice Variation**
Lindsey Justice (US)

- 11:40 - 11:50** **O1504 - Cultivating Excellence Through Nurse Empowerment**
Mary C McLellan (US)
- 11:50 - 12:00** **O2100 - Use of High Risk Precaution Protocol to Reduce Cardiac Arrests in the Cardiac Intensive Care Unit**
Christine Riley (US)

ADMINISTRATIVE: THE FUTURE OF PEDIATRIC AND CONGENITAL CARDIAC CARE

MEETING ROOM 10

Moderators: Gary Stapleton (US) and Alan Goldman (UK)

- 10:00 – 10:15** **Managing the Impact of new technologies.**
Gary Stapleton (US)
- 10:15 – 10:30** **Managing changing demographics.**
Emre Belli (France)
- 10:30 – 10:45** **Planning for the growth of mechanical support.**
Allan Goldman (UK)
- 10:45 – 11:00** **Creating new programs in the developing world.**
Rob Raylman (US)
- 11:00– 11:15** **Partnering Hospitals across Borders**
Alexis Palacios Macedo (Mexico)
- 11:15 – 11:30** **Merging and Leveraging Hospital and Hospital Programs to Fit your Community**
Tim Feltes (US)
- 11:30 – 12:00** **Discussion**

12:00 – 13:30 Lunch (Exhibition Hall)

POSTER SESSIONS: SURGERY

- 12:00 -13:30** Posters to be Put Up
- 13:30 -15:30** Presenters to be Present
- 13:30 -18:00** Posters Open for General Viewing
- 19:00 -20:00** Posters to be Taken Down Following the Evening Plenary

SURGERY: CONGENITAL AORTIC VALVE DISEASE

MEETING ROOM 4

Moderators: Zohair Al Halees (Saudi Arabia) , Kisaburo Sakamoto (Japan)

- 13:30 -13:50** **Anatomy of the Aortic Valve: Anatomy for Surgeons.**
Robert Anderson (UK)
- 13:50 – 14:10** **Neonatal Aortic Stenosis: The role of surgical valvuloplasty**
Viktor Hraska (US)
- 14:10 – 14:30** **When and how to enlarge the small aortic root?**
Hiromi Kurosawa (Japan)
- 14:30 -14:50** **Aortic Valve repair: Beyond the Neonate**
Giovanni Batista Luciani (Italy)

14:50 – 15:20 Options for aortic valve replacement in children
Zohair Al Halees (Saudi Arabia)

15:20 – 15:30 Discussion

INTERVENTIONAL CARDIOLOGY: STENTING

AUDITORIUM

Moderators: Levent Saltik (Turkey), Ahmad Alomarani (KSA) and Frank Ing (US)

Panelists: Tevfik Karagoz (Turkey), Chris Petit (US), Francisco Garay (Chile)

13:30 – 14:10 Live Case # 8 (London, UK)

14:10- 14:30 Evolution of Stent Design for CHD Patients:
Felix Berger (Germany)

14:30 – 14:50 Aortic Stenting – Matching the Stent to the Anatomical Substrate:
Damien Kenny (Ireland)

14:50 – 15:10 Stenting the Pulmonary Arteries in Infants – Technical & Future Considerations:
Frank Ing (US)

15:10 – 15:30 Stents beyond Pulmonary Arteries/Coarctation:
Francois Godart (France)

INTERVENTIONAL CARDIOLOGY II:

MEETING ROOM 11

Moderators: Wail Alkashkari (KSA) and Zahid Amin (US)

14:00 - 14:10 O2479 - Branch Pulmonary Artery Valve Implantation Reduces Pulmonary Regurgitation and Improves Right Ventricular Size/Function in Patients with Large Right Ventricular Outflow Tracts
Athar M. Qureshi (US)

14:10 - 14:20 O1123 - Right Ventricular Outflow Tract-Stenting in Tetralogy of Fallot Infants with Risk Factors for Early Primary Repair
Juan Pablo Sandoval (Mexico)

14:20 - 14:30 O1759 - Feasibility of Transcatheter Pulmonary Artery Banding and Long Term Outcomes in Comparison to Surgical Banding in a Swine Model
Shyam Sathanandam (US)

14:30 - 14:40 O2111 - Challenges of Device Closure of Patent Ductus Arteriosus with Pulmonary Artery Hypertension
Balekundri Vijayalakshmi (India)

14:40 - 14:50 O2115 - Percutaneous Transcatheter Closure of Atrial Septal Defect Only Under the Guidance of Transesophageal Echocardiography in Children
Weize Xu (China)

14:50 - 15:00 O1051 - Long-Term Results After Implantation of an Unrestrictive Babystent in the Infant Population
Peter Zartner (Germany)

IMAGING: IMAGING SESSION II (FETAL)

MEETING ROOM 1

Moderators: Sally Ann Clur (Netherlands) and Jack Rychik (US)

- 13:30 – 13:45 Fetal Guidelines – – How Can They Help Us?**
Mary Donofrio (US)
- 13:45 – 14:00 Fetal Cardiac Function – – How to Assess**
Queralto Ferrer (Spain)
- 14:00 – 14:15 Imaging the Fetus with Heterotaxy: A long checklist is required**
Christopher Lindblade (US)
- 14:15 – 14:45 Fetal Arrhythmia and Echocardiography – Tips and Tricks for Making the Diagnosis.**
Orhan Uzun (UK)
- 14:45 – 15:00 Fetal Echo to Predict Death in Patients with AV Septal Defects**
Rima Bader (UAE)
- 15:00 – 15:15 Fetal Interventions – When to Refer?**
Gerard Tulzer (Austria)
- 15:00 – 15:15 Tough Fetal Cases.**
Gurur Denktas (US)

INTENSIVE CARE ABTRACTS

MEETING ROOM 6

Moderators: John Costello (US) and Sarah Tabbutt (US)

- 13:30 - 13:40 O3008 - Risk Factors for Seizures in Neonates Following Surgery with Cardiopulmonary Bypass**
Maryam Naim (US)
- 13:40 - 13:50 O2571 - Impact of Malnutrition on the Postoperative Outcome Following Paediatric Cardiac Surgery**
Kanagarajan Natarajan (India)
- 13:50 - 14:00 O1152 - Pre-Operative Nutrition in Neonates Undergoing Surgery for Congenital Heart Disease and Its Impact on Postoperative Course**
Kurt Piggott (US)
- 14:00 - 14:10 O1275 - Heterotaxy Syndrome and Intestinal Rotation Abnormalities – A Prospective Study**
Lindsay Ryerson (Canada)
- 14:10 - 14:20 O2333 - Extubation Failure in Infants Undergoing Pediatric Cardiac Surgery: Risk Factors and Impact on Outcome**
Amitabh Chanchal Sen (India)
- 14:20 - 14:30 O1786 - Risk Adjusted Variation in CICU Performance After Pediatric Cardiac Surgery: An Analysis of the Pediatric Cardiac Critical Care Consortium**
Sarah Tabbutt (US)

OPTIMIZING NUTRITION IN THE CICU

- 14:30 – 14:50** **How can we better understand caloric needs in the critically ill cardiac patient?**
Nazima Pathan (UK)
- 14:50 – 15:10** **Variability in perioperative feeding – who, when and how?**
Eric Graham (US)
- 15:10 – 15:30** **Nutritional status and outcomes in patients with CHD.**
David Heihr (US)

BRIDGING TOGETHER SESSION: ELECTROPHYSIOLOGY & ACHD

MEETING ROOM 9

Moderators: Ami Bhatt (US), Peter Karpawich (US) and Jan Janousek (Czech Republic)

- 13:30 – 13:50** **Transitional care of Pacemaker/AICD patients: living with old leads and devices**
Hiroko Asakai (Japan)
- 13:50 – 14:10** **The role of imaging in identifying patients at risk for sudden cardiac death (SCD)?**
Ben Eidem (US)
- 14:10 – 14:30** **Fenestration in Fontan patients: please don't close access to the atria - leave it open!**
John Friedman (US)
- 14:30 – 14:50** **Is there really an indication for primary AICD implantation in ACHD patients to prevent SCD?**
Maully Shah (US)
- 14:50 – 15:10** **Atrial Fibrillation & CHD: Approach to a growing epidemic.**
Natasha De Groot (Belgium)
- 15:10 – 15:30** **Surgery for arrhythmia in ACHD patients.**
Alessandro Giamberti (Italy)

AMBULATORY: CONTROVERSIES IN MANAGEMENT OF DYSLIPIDEMIA IN YOUTH

MEETING ROOM 8

Moderators: Stephen Daniels (US) and LuAnn Minnich (US)

- 13:30 – 13:50** **Childhood Obesity: A Lifetime of Endothelial Dysfunction Beyond North America.**
David Celermajer (Australia)
- 13:50 – 14:10** **Familial hypercholesterolemia: the prevalence is higher than previously estimated – utility of country-wide cascade screening.**
Adam Ware(US)
- 14:10 – 14:30** **Treatment of dyslipidemia in young adults: How to reconcile the pediatric vs. adult guidelines.**
Rae-Ellen Kavey (US)
- 14:30 – 14:50** **Universal screening for dyslipidemia in youth should be promoted.**
Stephen Daniels (US)
- 14:50 – 15:10** **Universal screening is the best approach for screening for dyslipidemia in youth**
Brian McCrindle (Canada)
- 15:10 – 15:30** **Discussion**

ENDOCARDITIS-PERICARDITIS:

MEETING ROOM 3

Moderators: Dan Penny (US) and Bart Bijmens (Spain)

- 13:30 – 13:50** **Tricks and Tools of the Echocardiographer in Assessing Pericarditis and Endocarditis**
Carolyn Altman (US)
- 13:50 – 14:10** **Management of chronic idiopathic pericarditis: When simple anti-inflammatory agents don't do the trick**
Jane Newburger (US)
- 14:10 – 14:30** **Management of post-pericardiotomy syndrome.**
Nicolas Madsen (US)
- 14:30 – 14:50** **Early surgical therapy for bacterial endocarditis:**
Carlos Mestres (UAE)
- 14:50 – 15:10** **Endocarditis in implantable devices (e.g. valves, VADs, pacemakers, etc.)**
Jonathan J. Rome (US)
- 15:10 – 15:30** **Endocardial Fibroelastosis.**
Ali Naki Ibrahimiyeh (US)

TRANSPLANT & HEART FAILURE: MOLECULAR AND GENETIC BASIS OF HEART FAILURE

MEETING ROOM 5

Moderators: Dimpna C. Albert (Spain) and Seema Mital (Canada)

- 13:30 – 13:50** **Pediatric Cardiomyopathy – the Importance of Genetic and Metabolic Evaluation**
Joshua Sparks (US)
- 13:50 – 14:10** **Proteomics of Heart Failure:**
Anne Murphy (US)
- 14:10 – 14:30** **Mitochondria and Heart Failure.**
Gary Lopaschuk (Canada)
- 14:30 – 14:50** **Biomarkers in Pediatric Heart Failure – When and How to Use Them.**
Daphne Hsu (US)
- 14:50 – 15:10** **Clinical Diagnosis in the Genome Era – Challenges and New Horizons.**
Seema Mital (Canada)
- 15:10 – 15:30** **Discussion**

Moderators: Sertaç Çiçek (Turkey) and Chris Hugo Hamman(South Africa)

- 13:30 – 13:35 Introduction (5 min):**
Sertaç Çiçek (Turkey)
- 13:35 – 13:55 Structural heart disease is a disease control priority:**
R. Krishna Kumar (India)
- 13:55 - 14:15 Patient and family advocacy advance the global agenda.**
Amy Verstappen (US)
- 14:15 – 14:35 Children with heart disease and the prevention and control of non-communicable diseases (NCD's).**
Liesl Zuhlke (South Africa)
- 14:35 – 14:55 What can we learn from other disease advocates?**
Justice Edwin Cameron (South Africa)
- 14:55 – 15:15 Is universal health coverage for pediatric heart care a pipe dream?**
Srinath Reddy(India)
- 15:15 -15:30 Discussion**

CORONARY: ACQUIRED CORONARY ARTERY DISEASE
MEETING ROOM 7

Moderators: Andrew Powell (US) and Kei Takahashi (Japan)

- 13:30 – 13:45 Acquired coronary artery disease in adolescents and young adults: Finding the needle in the haystack.**
Ami Bhatt (US)
- 13:45 – 14:00 Coronary artery impairment early and late after cardiac surgery in children**
Hong Gu (China)
- 14:00 – 14:15 Indications and outcomes of coronary artery stenting in children from post-op complications to transplant coronary artery disease.**
Martin Schneider (Germany)
- 14:15 – 14:30 Acquired coronary artery disease in adult congenital heart disease.**
Sertaç Çiçek (Turkey)
- 14:30 – 14:45 A Histopathological Perspective of coronary artery anomalies related to Kawasaki's Disease.**
Kei Takahashi (Japan)
- 14:45 – 15:00 The Taiwan Experience with Kawasaki Disease: Managing KD in a Resource Limited Country**
Mei-Hwan Wu (Taiwan)
- 15:00 – 15:15 Management of Kawasaki disease to prevent coronary compromise.**
Tohru Kobayashi (Japan)
- 15:00 – 15:15 Discussion**

BRIDGING: CARDIOLOGY & CARDIOTHORACIC SURGERY:

MEETING ROOM 2

Ebstein's in the Neonate and Small Child: Decision Making through Physiologic Data

Moderators: Christian Pizarro (US) and Victor Tsang (UK)

- 13:30 – 13:45** **Ebstein's through the Eyes of a Morphologist**
Amy Juraszek (US)
- 13:45 – 14:00** **Is the pulmonary valve the problem or is it the physiology?**
Jon Meliones (US)
- 14:00 – 14:15** **Outcomes Following a Single Ventricle Starnes Approach: Who are the Best Candidates?**
Vaughn Starnes (US)
- 14:15 – 14:30** **Is a Cone Feasible in the Neonate?**
Hajime Ichikawa (Japan)
- 14:30 – 14:45** **Identifying the Ideal Cone Candidate and Why a Combined Glenn May Be the Best Long Term Option?**
Victor Tsang (UK)
- 14:45 – 15:00** **Some Things Get Bigger-Some Things Get Smaller: What to Do When the Cone Fails?**
Joseph Dearani (US)
- 15:00 – 15:15** **If the Rhythm Ain't Right, Neither is the Repair**
Bryan Cannon (US)
- 15:15 – 15:30** **Discussion**

15:30 – 16:00 Lunch (Exhibition Hall)

LATE BREAKING SESSIONS

INFORMATICS LATE BREAKING

MEETING ROOM 9

- 16:00 – 16:15** **The Cardiac High Acuity Monitoring Program: Experience and Multi-Center Rollout.**
Girish Shirali (US)
- 16:00 – 16:30** **Informatics in a Pediatric Cardiac Surgical Center: State of the Art.**
Richard Stroup (US)
- 16:30 – 16:45** **Harvesting Informatics: Clinical Implications.**
Andrew Redington (US)
- 16:45 – 17:00** **Potential for Global Application of Informatics Platforms.**
Neil Jordan(US) and Simon Kos (US)

CATH LATE BREAKING

AUDITORIUM

- 16:00 – 16:20** **Cath: ? Cryptogenic stroke & PFO Data.**
Jonathan Rhodes (US)
- 16:20 – 16:30** **Update on the CE clinical trial for the Venus P valve**
Shak Qureshi (UK)
- 16:30 – 16:40** **Update on the Harmony valve Clinical trial in North America**
John P. Cheatham (US)
- 16:40 – 16:50** **Update on the Edwards Sapien 3 (S3) clinical trial in the US**
Scott Lim (US)
- 16:50 – 17:00** **Update on the Altera Stent trial for native RVOT in the US**
Evan Zahn (US)

EP LATE BREAKING

MEETING ROOM 4

Moderator: Peter Aziz (US)

- 16:00 – 16:20** **Fetal Pacing: Overcoming Challenges on the Path of Innovation**
Yaniv Bar-Cohen (US)
- 16:20 – 16:40** **Disruptive EP Technologies: Leadless Pacing and Ultrasound Pacing: European Points of View.**
Alpay Celiker (Turkey)
- 16:40 – 17:00** **Lead Extractions: Choosing the right patient, right environment, and right person to do the procedure.**
Tevfik Karagoz (Turkey)

SURGERY & ICU LATE BREAKING

MEETING ROOM 2

- 16:00 – 16:30** **Nitric Oxide: The pathway towards reducing low cardiac output post bypass, a prospective randomized trial.**
Christopher James (Australia)
- 16:30 – 17:00** **Current status of stem cell therapy in congenital heart disease**
Joseph Dearani (US)

IMAGING LATE BREAKING

MEETING ROOM 1

Moderator: Achi Ludomirsky (US)

- 16:00 - 17:00** **Artificial Intelligence in Medical Imaging:** A Review of the development of a Neural Network Core using Artificial Intelligence and Deep Learning techniques, which provide an automatic, versatile, reliable, and fast Cardiac Ultrasound analysis, and recognition tool for the diagnosis of Cardiac Function and Congenital Heart Disease.
- Achi Ludomirsky (US)

Moderators: Dan Penny (US) and Gil Wernovsky (US)

- 17:15 – 17:30** **Current Outcomes in Older Adults with Tetralogy of Fallot - based upon a surgical and follow-up strategy established 30-70 years ago.**
Anna Marie Valente (US)
- 17:30 – 17:45** **Arrhythmias in Adolescents and Adults with TOF – Current Approach.**
Gerhard Paul Diller (Germany)
- 17:45 – 18:00** **Pulmonary Regurgitation – What to do and When?**
Tal Geva (US)
- 18:00 – 18:15** **The Dilated Aortic Root.**
Koichiro Niwa (Japan)
- 18:15 – 18:45** **Learning from the Past: Current Approach to the Infant and Child with TOF in 2017.**
Jose Fragata (European viewpoint)
Michel Ilbawi (North American viewpoint)
- 18:45 – 19:00** **Genetics – What Do We Know and What's Next?**
Elizabeth Goldmuntz (US)

21 JULY 2017, FRIDAY

LANDMARK LECTURES

AUDITORIUM

Moderators: Levent Saltık (Turkey), Mitchell Cohen (US) and Alpay Celiker (Turkey)

08:30 – 09:00 **Pediatric Cardiology: Neurodevelopmental Outcomes: A Future of Promise or Concern?**
Jane Newburger (US)

09:00 – 09:30 **Pediatric Cardiothoracic Surgery**
Pedro Del Nido (US)

09:30 – 10:00 **A life-cycle perspective on congenital heart disease: What happens beyond your clinic?**
Phillip Moons (Belgium)

10:00 – 10:30 Break

LANDMARK LECTURES

AUDITORIUM

Moderators: Sertaç Çiçek (Turkey), Joseph Dearani (US) and Juan Villafane (US)

10:30 – 11:00 **Perloff Lecture: Lessons Learned from Professor Perloff: Emerging Management of Aortopathies & ACHD along the Pacific Rim**
Koichiro Niwa (Japan)

11:00 – 11:30 **Pediatric Intensive Care & Anesthesia: Continuums and Conundrums**
Peter Laussen (Canada)

11:30 – 12:00 **Pediatric Interventional Cardiology: Pediatric Interventional Cardiology: The past, present and the future**
Ziyad Hijazi (Qatar)

12:00 – 12:30 **Pediatric Cardiothoracic Surgery: Training the Next Generation of Congenital Heart Surgeons**
Vaughn Starnes (US)

12:00 – 14:00 Lunch (Exhibition Hall)

WEEK IN REVIEW

AUDITORIUM

Moderators: Sertaç Çiçek (Turkey), Levent Saltık (Turkey) and Gil Wernovsky (US)

Opening Remarks: Sertaç Çiçek (Turkey)

14:00 – 14:12 **Imaging**
Seda Tierney (US)

14:12 – 14:24 **Catheterization**
Damien Kenny (Ireland)

14:24 – 14:36 **General Cardiology**
Devyani Chowdhury (US)

14:36 -14:48 **Electrophysiology**
Mitchell Cohen (US)

14:48 – 15:00	ICU/Anesthesia Allan Goldman (UK)
15:00 -15:12	Heart Failure/PAH Jonathan Johnson (US)
15:12 – 15:24	Surgery Tom Karl (US)
15:24 – 15:36	ACHD Jolien Roos Hesselink (Netherlands)

15:30 -17:00	CLOSING CEREMONY
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AUDITORIUM
