

# Cardiology in the Young

*Highlights from:  
43rd Annual Meeting of The Association for  
European Paediatric Cardiology  
and  
18th Spring Meeting of ECHSA Palazzo del Casinò,  
Venice Lido (Italy), 21–24 May, 2008*



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# Cardiology in the Young

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## Opening Hours

Day/Date	Secretariat	Exhibition
Wed. 21.05.08	08:00–18:30	8:30–20:00
Thurs. 22.05.08	07:30–18:30	8:30–18:00
Fri. 23.05.08	07:30–18:30	8:30–18:00
Sat. 24.05.08	08:00–14:00	8:30–13:00

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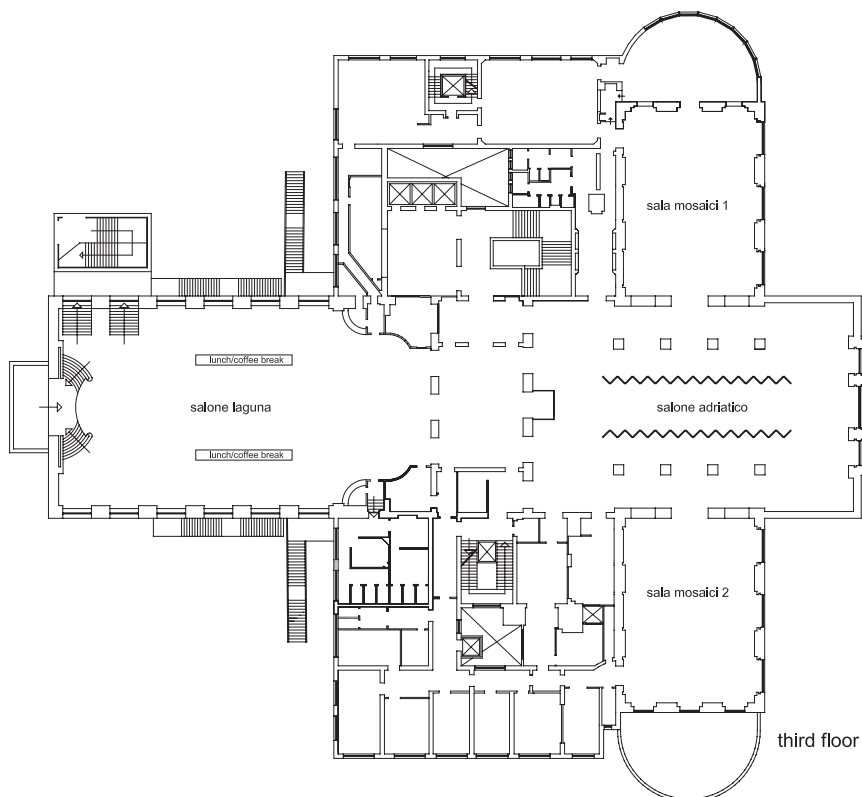
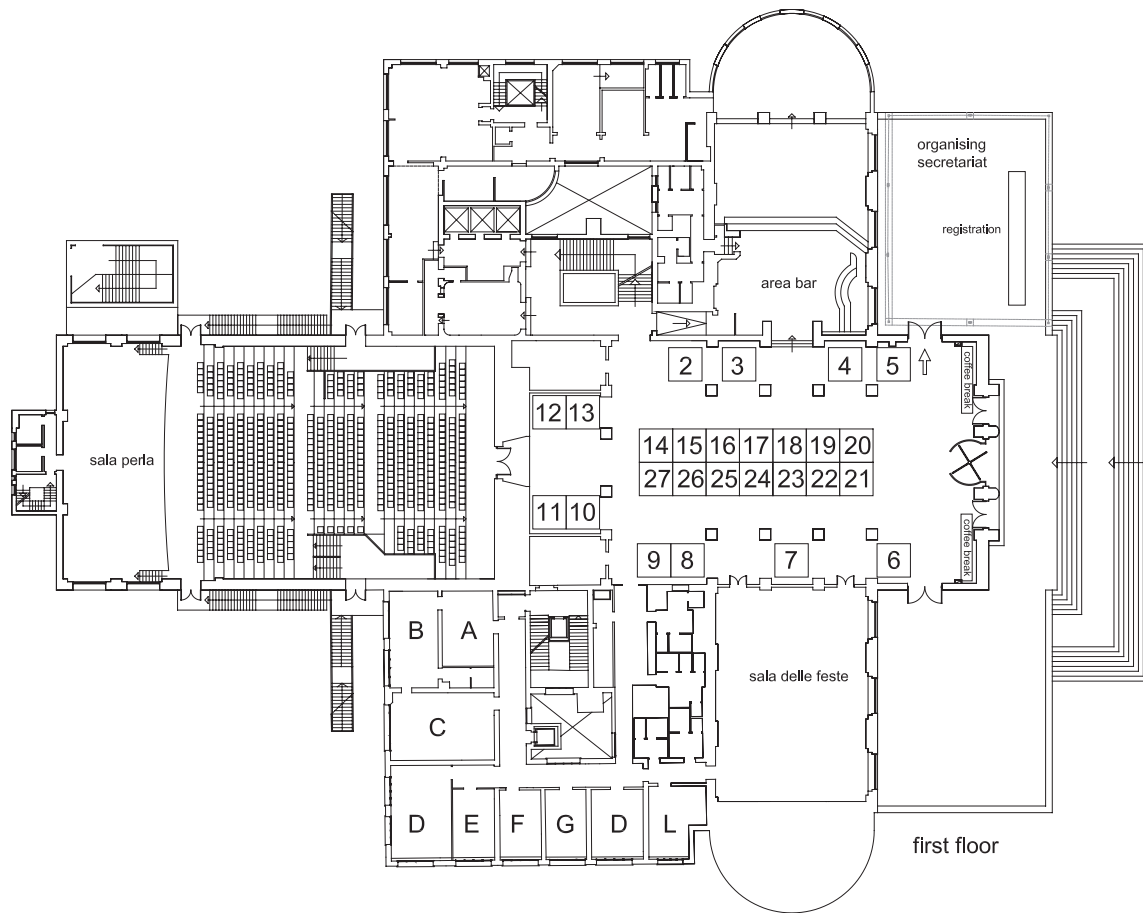
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# Agenda

## AEPC Business Meeting Venice

May 22, 2008

17.45–19.45

- |  |                         |
|--|-------------------------|
| 1. Welcome address of the President                      | Prof. André Bozio       |
| 2. Obituary  |                         |
| 3. Report of the President                               | André Bozio             |
| 4. Report of the Secretary-General                       | E. Jokinen              |
| 5. Report of the Scientific Secretary                    | Jo deGiovanni           |
| 6. Report of the Treasurer                               | K. Schmidt              |
| 7. News from the Working Groups                          |                         |
| – Cardiac Dysrhythmias and Electrophysiology             | U. Bauersfeld           |
| – Fetal Cardiology                                       | M. Melander             |
| – Genetics and Basic Science of Congenital Heart Defects | J. Parsons              |
| – Pediatric Cardiovascular Intensive Care                | E. Da Cruz              |
| – Cardiac Imaging  | E. Valsangiacomo Büchel |
| – Interventional Cardiology                              | M. Carminati            |
| – Cardiovascular Morphology                              | A. Angelini             |
| – Congenital Heart Surgery                               | Bohdan Maruszewski      |
| – Psycho-Social care from fetus to adult                 | U. Salzer-Muhar         |
| – GUCH Task Force  | A. Szatmári             |
| 8. Report from the Advisory Board / National Delegates   | S. Kaku/J-P Pfammatter  |
| 9. Introduction of New Members                           | E. Jokinen              |
| 10. Replacement of Council member                        | E. Jokinen              |
| 12. Future Meetings                                      |                         |
| 2009 during ESC-meeting                                  |                         |
| 2010 Innsbruck   |                         |
| 2011 Granada   |                         |
| 2012 ?   |                         |
| 2013 London?   |                         |
| 13. World Congress 2009                                  | E. Jokinen              |
| – Cairns Australia                                       |                         |
| 15. Other businesses?                                    |                         |

**Wednesday, May 21 2008**

	<b>Sala Perla</b>	<b>Sala Feste</b>	<b>Salone Adriatico</b>	<b>Sala Mosaici I</b>	<b>Sala Mosaici II</b>	<b>Sala Martinelli</b>
7:30						
8:00						
8:30						
9:00						
9:30		8:30-15:30  Update course on Paediatric Cardiac Intensive Care				
10:00						
10:30						
11:00						
11:30						
12:00						
12:30						
13:00						
13:30						
14:00						
14:30						
15:00						
15:30						
16:00	16:00-18:30 Opening Ceremony Mannheimer Lecture					
16:30						
17:00						
17:30						
18:00						
18:30	18:30-20:00 Welcome Reception					
19:00						
19:30						
20:00						



Thursday, May 22, 2008

	Sala Perla	Sala Feste	Salone Adriatico	Sala Mosaici I	Sala Mosaici II	Sala Martinelli
7:30						
8:00	8:00-9:00 WG Cardiac Imaging Business Meeting	8:00-9:00 WG Cardiac Dysrhythmias and Electrophysiology Business Meeting		8:00-9:00 WG Cardiovascular Morphology Business Meeting	8:00-9:00 WG Fetal Cardiology Business Meeting	8:00-9:00 WG Paediatric Cardiovascular Intensive Care Business Meeting
8:30						
9:00	9:00-10:30 Joint Session of the WGs Cardiac Imaging, Cardiovascular Morphology and Cardiac Dysrhythmias on Cardiomyopathies (Part I)					
9:30						
10:00						
10:30			10:30-11:30 Anatomical Exhibition and Demonstration			
11:00						
11:30	11:30-13:00 Joint Session of the WGs Cardiac Imaging, Cardiovascular Morphology and Cardiac Dysrhythmias on Cardiomyopathies (Part II)			11:30-13:00 Abstract Session 1 Fetal	11:30-13:00 Abstract Session 2 Surgery/intensive Care	
12:00						
12:30						
13:00						
13:30						
14:00						
14:30	14:00-15:30 WG Fetal Cardiology					
15:00	Maternal and Fetal Clinical Challenges					
15:30						
16:00						
16:30		16:00-17:30 Abstract Session 5 Arrhythmias				
17:00						
17:30						
18:00	17:45-19:45 AEPC Business Meeting					
18:30						
19:00						
19:30						
20:00						

- SIMULATOR WORKSTATION ORGANISED BY AGA MEDICAL - SALA D

\* MODERATED POSTER WALK (PW2) - AREA BAR

Friday, May 23 2008

	Sala Perla	Sala Feste	Salone Adriatico	Sala Mosaici I	Sala Mosaici II	Sala E
7:30						
8:00	8:00-9:00 WG Interventional Cardiology Business Meeting	8:00-9:00 WG GUCH Task Force Business Meeting		8:00-9:00 WG Psycho-Social Care from Fetus to Adult - Business Meeting	8:00-9:00 WG Genetics and Basic Science of Congenital Heart Disease - Business Meeting	8:00-9:00 WG Congenital Heart Surgery Business Meeting
8:30				9:00-10:00 PDA occlusion: a new profile solution (AGA)	9:00 - 10:00 Left Ventricular Coordination and Function (GE)	
9:00						
9:30						
10:00	10:00 - 11:30 Joint Session between ECHSA and AEPIC WG Interventional Cardiology					
10:30	The limits of intervention and surgery					
11:00						
11:30	11:30-12:30 International multicentre paediatric cardiology trials: organisational aspects		11:30-12:30 Moderated Poster Walk (PW3)*			
12:00				11:30-12:30 COFFEE BREAK		
12:30	12:30-13:15 State of the Art: Joint Session of AEPIC and ECHSA					
13:00						
13:30				13:15-14:00 LUNCH		
14:00		14:00-14:40 ASD and PFO device closure: tips and tricks (W.L.GORE)				
14:30		14:40-16:10 WG Genetics and Basic Science Genes and the right ventricle				
15:00	14:40-16:10 WG Psycho-social Care The Struggle for Equality			14:40-16:10 Abstract Session 6 Intervention	14:40-16:10 Abstract Session 7 GUCH and outcomes	
15:30						
16:00				16:10-16:30 COFFEE BREAK		
16:30		16:30-18:00 Abstract Session 10 End stage heart and lung disease		16:30-18:00 Abstract Session 8 General Cardiology	16:30-18:00 Abstract Session 9 Basic Science	
17:00						
17:30						
18:00						
18:30						
19:00						
19:30						
20:00						

- MRI FOR THE GENERAL PAEDIATRIC CARDIOLOGIST. A WORKSHOP ORGANISED BY THE IMAGING WORKING GROUP WITH SUPPORT OF GE HEALTHCARE - SALA C

- SIMULATOR WORKSTATION ORGANISED BY AGA MEDICAL - SALA D

\* MODERATE POSTER WALK (PW4) - AREA BAR

**Saturday, May 24 2008**

	<b>Sala Perla</b>	<b>Sala Feste</b>	<b>Salone Adriatico</b>	<b>Sala Mosaici I</b>	<b>Sala Mosaici II</b>
7:30					
8:00					
8:30	8:30-10:00 Joint Session WG Pediatric Cardiovascular Intensive Care and Congenital Heart Surgery Cardiac surgery and cardiac intensive care: seeking an harmonious interaction	8:30-9:30 Influence of modern imaging (Siemens)			
9:00					
9:30		9:30- 11:00 WG GUCH Task Force Specific problems related to increasing GUCH population			
10:00	10:00-11:00 Percutaneous reconstruction of the RVOT				
10:30					
11:00	<b>11:00 - 11:45 COFFEE BREAK</b>				
11:30					
12:00	11:45-12:30 Debate Session - Assessment for Fontan operation: is cardiac catheterisation necessary?	11:00-12:00 WG Interventional Cardiology Successes and failures in the cath lab.			
12:30	12:30-13:00 State of the Art Sessio Tissue Engineering: dream or reality				
13:00	13:00 - 13:15 Closure of the Annual Meeting				
13:30					
14:00					
14:30					
15:00					

– MRI FOR THE GENERAL PAEDIATRIC CARDIOLOGIST. A WORKSHOP ORGANISED BY THE IMAGING WORKING GROUP WITH THE SUPPORT OF GE HEALTHCARE - SALA C  
 –SIMULATOR WORKSTATION ORGANISED BY AGA MEDICAL - SALA D.



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21–24 May, 2008*



## **FINAL SCIENTIFIC PROGRAMME**

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### **Tuesday, May 20, 2008**

10:00–18:00      **AEPC Council business meeting**

### **Wednesday, May 21, 2008**

10:30–12:00      **SAC Meeting**  
10:30–13:00      **National Delegates Meeting**  
12:00–13:30      **PAC Meeting**

### **Update course on paediatric cardiac intensive care**

### **Wednesday, May 21, 2008**

08:30–08:35      **Introduction and welcoming remarks**  
*Eduardo da Cruz (Denver, USA)*

**Session 1: General issues concerning paediatric cardiac patients**  
*Chairs: Evelyn Lechner (Linz, AT), Maurice Beghetti (Geneva, CH)*

08:35–08:55      **General principles for the management of acute and chronic cardiac patients**  
*Sylvie Di Filippo (Lyon, FR)*

08:55–09:00      **Discussion**

09:00–09:20      **Shock in the cardiac patient**  
*Eduardo da Cruz (Denver, USA)*

09:20–09:25      **Discussion**

09:25–09:45      **Algorithm for an adequate transfer from the OR to the ICU**  
*Allan Goldman (London, UK)*

09:45–09:50      **Discussion**

09:50–10:10      **Do not forget basic physiology when ventilating a cardiac patient**  
*Peter Rimensberger (Geneva, CH)*

10:10–10:15      **Discussion**

10:15–11:00      **Coffee Break**

**Session 2: Postoperative intensive care issues**

*Chairs: Eduardo da Cruz (Denver, USA), Sylvie Di Filippo (Lyon, FR)*

- 11:00–11:20 **Postoperative drugs: Inotropes, vasodilators, vasoconstrictors and others**  
*Evelyn Lechner (Linz, AT)*
- 11:20–11:25 **Discussion**
- 11:25–11:45 **Acute postoperative pulmonary hypertension: focus on therapy**  
*Maurice Beghetti (Geneva, CH)*
- 11:45–11:50 **Discussion**
- 11:50–12:10 **Algorithm for the management of postoperative arrhythmias**  
*Jan Janousek (Leipzig, DE)*
- 12:10–12:15 **Discussion**
- 12:15–12:35 **Acute management of the transplanted patient**  
*Ricardo Munoz (Pittsburg, USA)*
- 12:35–12:40 **Discussion**
- 12:40–13:00 **Anatomic reasons for postoperative troubles**  
*Rudolf Mair (Linz, AT)*
- 13:00–13:05 **Discussion**
- 13:05–14:00 **Lunch**

**Session 3: What's next? Novelties**

*Chairs: Allan Goldman (London, UK), Ricardo Muñoz (Pittsburg, USA)*

- 14:00–14:20 **Importance of peri-operative glycemic control in congenital heart surgery**  
*Dirk Vlasselaers (Leuven, BE)*
- 14:20–14:25 **Discussion**
- 14:25–14:45 **New resources: drugs and monitoring**  
*Duncan Macrae (London, USA)*
- 14:45–14:50 **Discussion**
- 14:50–15:10 **Update and outlook on mechanical assistance: ECMO and VAD**  
*Brigitte Stiller (Freiburg, DE)*
- 15:10–15:15 **Discussion**
- 15:15–15:30 **Final discussion**  
*Evelyn Lechner (Linz, AT)*
- 16:00–18:30 **Opening Ceremony**  
**Mannheimer Lecture**  
*Chairs: Giovanni Stellin (Padua, IT), André Bozio (Lyon, FR)*
- Pediatric Cardiology/Surgery: Interdependency – Aldo R Castañeda**
- 18:30–20:00 **Welcome Reception**

**Thursday May 22, 2008**

- 08:00–09:00 **WG Business Meetings**
1. Cardiac Imaging
  2. Cardiac Dysrhythmias and Electrophysiology
  3. Cardiovascular Morphology
  4. Fetal Cardiology
  5. Paediatric Cardiovascular Intensive Care
- 09:00–10:30 **Joint Session of the WGs Cardiac Imaging, Cardiovascular Morphology and Cardiac Dysrhythmias on Cardiomyopathies (Part I)**  
*Chairs: Willem Helbing (Rotterdam, NL), Sibylle Mottl-Link (Heidelberg, DE)*

**Key note lecture – Gaetano Thiene****Overview on Arrhythmogenic Right Ventricular Cardiomyopathy, a Venetian Disease?**Pathologist's perspective for the clinician – *Annalisa Angelini (Padua, IT)*Imaging hypertrophic cardiomyopathy – echocardiographic, morphological and clinical correlations – *Luc Mertens (Toronto, CA)*Advanced imaging of dilated cardiomyopathy – clinical application of cardiovascular magnetic resonance imaging – *Daniel Messroghli (Berlin, DE)*

10:30–11:30

**Coffee break and Moderated Poster Walk Session****Moderated poster walk (PW1)**Chairs: *Francois Godart (Lille, FR), Damien Bonnet (Paris, FR)*

- PW1-1 Hemodynamic Responses of 60 Eisenmenger Patients Treated 24 Weeks with Bosentan – First Results of the German Competence Network for Congenital Heart Disease**  
*Farahwaschy B. (1), Mebus S. (2), Lunze K. (1), Gilbert N. (1), von Bismarck I. (1), Peters B. (3), Peters B. (1), Miera O. (1), Berger F. (1), Lange P.E. (4), Schulze-Neick I. (5)*  
*Department of Congenital Heart Defects and Pediatric Cardiology, German Heart Institute Berlin, Germany (1); Department of Paediatric Cardiology and Congenital Heart Defects, German Heart Centre Munich, Germany (2); Department for biometry and medical informatics, University Magdeburg, Germany (3); Competence Network for Congenital Heart Disease, Germany (4); Pulmonary Hypertension Team, Cardiac Unit, Great Ormond Street Hospital for Sick Children, London, Great Britain (5)*
- PW1-2 Novel Genetic Associations with Delayed Cardiomyopathy Onset in Muscular Dystrophy Utilizing MDSTARnet Data**  
*Barber B.J., Andrews J.G., Cunniff C.M., Klewer S.E., Miller T.M., Meaney F.J., and MDSTARnet*  
*University of Arizona, College of Medicine, Tucson, Arizona, U.S.A.*
- PW1-3 Indications and outcome of radiofrequency ablation in infants: a retrospective UK multicentre study over 15 years**  
*Shebani S.O., Shebani S.O. (1), DeGiovanni J. (2), Macleod K. (3), Morgan J. (4), Nanapragassam J. (4), Peart I. (5), Rosenthal E. (6), Stuart G. (7), Till J. (8), Walsh K. (9), Duke C. (10)*  
*Royal Manchester Children's Hospital, UK (1); Birmingham Children's Hospital, UK (2); Royal Hospital for Sick Children, Glasgow, UK (3); Southampton General Hospital, UK (4); Royal Liverpool Children's Hospital, Alder Hey, Liverpool, UK (5); Evelina Children's Hospital, London, UK (6); Bristol Children's Hospital, UK (7); Royal Brompton Hospital, London, UK (8); Our Lady's Children's Hospital, Dublin, Republic of Ireland (9); Glenfield Hospital, Leicester, UK (10)*
- PW1-4 Arrhythmias during follow-up in Patients undergoing either surgical or Percutaneous Atrial Septal Defect Closure**  
*Butera G. (1), Ferrero P. (2), Foresti S. (2), Pittalis M. (2), Chessa M. (1), Carminati M. (1), Frigiola A. (1), Giamberti A (1), Abella R. (1), Pomè G. (1), Cappato R. (2)*  
*Pediatric Cardiology and GUCH unit (1); Rhythmology and Electrophysiology unit (2) Policlinico San Donato IRCCS*
- PW1-5 Telemonitoring in young patients with a congenital heart disease and the need for pacemakers or defibrillators**  
*Zartner P., Handke R., Kallenberg R., Schneider M.B.E.*  
*German Paediatric Heart Centre, Department of Cardiology, Sankt Augustin, Germany/San Donato Milanese – Italy*
- PW1-6 Catheter Ablations In Children With Ventricular Tachycardia**  
*Pokushalov E., Turov A., Shugaev P., Artemenko S., Romanov A.*  
*Research Institute of Circulation Pathology, Novosibirsk, Russia*
- PW1-7 Linkage of Left Ventricular Outflow Tract Obstruction to XQ28 in 3 French-Canadian pedigrees**  
*Chetaille Ph. (1), Provost S. (2), Gendron R. (3), Thibeault M. (3), Bureau N. (3), Riopel K. (3), Siles A. (3), Mercier J. (3), Houde C. (1), Bigras JL. (3), Dubé MP. (2), Richter A. (3), Andelfinger G. (3)*

Centre Mère-Enfant du Centre Hospitalier Universitaire de Québec, Québec, Canada (1); Research Center, Montreal Heart Institute, Montréal, Canada (2); Cardiovascular Genetics, Sainte Justine Hospital, Montréal, Canada (3)

**PW1-8 New observations on the structure/function coupling of the inter-ventricular septum**

Corno A.F. (1), Kocica M.J. (2), Chappory L.A. (3), Moore S.A. (3), Sutherland H. (3), Jarvis J.C. (3)

Alder Hey Hospital, Liverpool, England (1), Institute for Cardiovascular Diseases, Belgrade, Serbia (2), Human Anatomy & Cell Biology, University of Liverpool, Liverpool, England (3)

**PW1-9 Characterization of long term endogenous cardiac repair in children after heart transplantation**

Rupp S. (1), Koyanagi M. (2), Iwasaki M. (2), Bauer J. (1), von Gerlach S. (3), Schranz D. (1), Zeiher A.M. (2), Dimmeler S. (2)

Pediatric Heart Center, University of Giessen and Marburg, Giessen, Germany (1)

Department of Molecular Cardiology, Internal Medicine III, J.W. Goethe University, Frankfurt, Germany (2)

Department of Pathology, University of Giessen and Marburg, Giessen, Germany (3)

**PW1-10 Blood pressure independent structural abnormalities of retinal arteries in patients after coarctation repair**

Hager A. (1), Preßler A. (2), Esefeld K. (2), Kotliar K. (2,3), Lanzl I. (3), Halle M. (2), Kaemmerer H. (1), Schmidt-Trucksäss A. (2)

Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technische Universität München (1); Department of Preventive and Rehabilitative Sports Medicine, Technische Universität München (2); Department of Ophthalmology, Klinikum rechts der Isar, Technische Universität München (3)

**Moderated poster walk (PW2)**

Chairs: Mats Mellander (Gothenburg, SE) Wanda Kawalec (Warsaw, PL)

**PW2-1 Coronary flow reserve can detect progressive transplant coronary artery disease in pediatric heart transplant recipients**

Tissot C. (1), Pietra B.A. (1), Boucek M.M. (2), Gilbert D.J. (1), Campbell D.N. (1), Mitchell M.B. (1), Ivy D.D. (1), Miyamoto S.D. (1)

(1) The Children's Hospital, Denver, Colorado, US; (2) Joe DiMaggio Children's Hospital, Hollywood, Florida, US

**PW2-2 Reduced aortic elasticity and dilatation are associated with aortic regurgitation and LV systolic dysfunction in Tetralogy of Fallot after pulmonary valve replacement**

Grotenhuis H.B. (1,2), Ottenkamp J. (1,2,3), Bruijn de L. (1), Westenberg J.J.M. (1), Bax J.J. (1), Kroft L.J.M. (1), Roos de A. (1)

Leiden University Medical Center, Leiden, The Netherlands (1), Emma Children's Hospital / AMC, Amsterdam, The Netherlands (2), VU Medical Center, Amsterdam, The Netherlands (3)

**PW2-3 Routine clinical magnetic resonance imaging of patients with congenital heart disease in 2007 – a single-center experience**

Fratz S., Schuhbäck A., Buchner C., Hendrich E., Martinoff S., Hess J., Stern H. Deutsches Herzzentrum München an der TUM, Munich, Germany

**PW2-4 3-dimensional plastic heart models for planning of surgical procedure in complex congenital heart disease**

Riesenkampff E. (1), Rietdorf U. (2), Wolf I. (2), Schnackenburg B. (3), Hübner M. (4), Alexi-Meskishvili V. (4), Berger F. (1), Kühne T. (1)

German Heart Institute Berlin, Department of Pediatric Cardiology and Congenital Heart Disease (1); German Cancer Research Institute Heidelberg, Department of Medical and Biological Informatics (2); Philips Medical Systems, Hamburg, Germany (3); German Heart Center Berlin, Department of Cardiothoracic Surgery (4)

**PW2-5 Pulmonary artery growth after the Norwood procedure.**

**Does the right ventricle to pulmonary artery conduit make any difference?**

Maschietto N. (1), Cacace A.E. (1), Reffo E. (1), Vida V.L. (2), Padalino M.A. (2), Speggorin S. (2), Stellin G. (2), Milanesi O. (1)

Department of Pediatrics, Cardiology Unit, University of Padua-Medical School, Italy (1)



*Institute of Cardiovascular Surgery, Pediatric Cardiac Surgery  
Unit, University of Padua-Medical School, Italy (2)*

- PW2-6 CT imaging of pediatric vascular stents used to treat congenital heart disease**  
*Eichhorn J.G. (1, 2), Raman S.V. (3), Ulmer H.E. (1), Long F.R. (4), Cheatham J.P. (5)  
University Children's Hospital, Pediatric Cardiology, Heidelberg, Germany (1);  
Ohio State University College of Medicine, Radiology (2) and Cardiology  
(3); Columbus Children's Hospital, Children's Radiological Institute (4)  
and Pediatric Cardiology (5) Columbus, Ohio, United States*
- PW2-7 Intraoperative stenting of pulmonary arteries in complex congenital heart disease**  
*Haas N.A. (1), Blanz U. (2), Schaeffler R. (1), Schulz U. (2), Matthies  
W. (1), Sarikouch S. (1), Laser T. (1), Kececioglu D. (1)  
Department for Congenital Heart Defects (1), Cardiothoracic Surgery (2)  
Heart and Diabetes-Centre Nordrhein Westfalen, Ruhr-University Bochum,  
Bad Oeynhausen, Germany*
- PW2-8 Stent fractures after percutaneous pulmonary valve implantation (PPVI):  
impact of pre-stenting of the right ventricular outflow tract**  
*Nordmeyer J., Lurz P., Coats L., Khambadkone S., Taylor A.M., Bonhoeffer P.  
UCL Institute of Child Health and Great Ormond Street Hospital for Children, London, UK*
- PW2-9 Cutting balloon angioplasty to optimize stenting of stenotic MAPCAs**  
*Haas N.A. (1), Schaeffler R. (1), Blanz U. (2), Matthies W. (1)  
Sarikouch S. (1), Laser T. (1), Kececioglu D. (1)  
Department for Congenital Heart Defects (1), Cardiothoracic Surgery (2)  
Heart and Diabetes-Centre Nordrhein Westfalen, Ruhr-  
University Bochum, Bad Oeynhausen, Germany*
- PW2-10 Impact of induced cardiac arrest in balloon dilatation of aortic valve stenosis**  
*Michel-Behnke, I. (1), Hagel K.-J. (1), Stahnke M. (1), Akintuerk H. (1), Awaad R. (2),  
Schrantz D. (1)  
Pediatric Heart Centre, Justus-Liebig University Giessen, Germany (1);  
Caritas Childrens Hospital Bethlehem (2)*
- 10:30–11:30 Anatomical exhibition and demonstration**  
*Yen Ho (London, UK), Annalisa Angelini (Padua, IT)*
- 10:30–11:10 Complex Percutaneous Interventions  
(with the educational support of NUMED)**  
*Chairs: Caroline Ovaert (Bruxelles, BE), Giacomo Pongiglione (Genova, IT)*  
**Percutaneous optimisation of the aortic arch – Marc Gewilling (Leuven, BE)**
- 11:30–13:00 Joint Session of the WGs Cardiac Imaging, Cardiovascular Morphology and  
Cardiac Dysrhythmias on Cardiomyopathies (Part II)**  
*Chairs: Juha-Matti Happonen (Helsinki, FI), Ingegerd Östman-Smith (Gothenburg, SE)*  
**Sudden death: strategies for risk stratification – Andreas Pflaumer (Munich, DE)**  
**Medical treatment strategies – Ingegerd Östman-Smith (Gothenburg, SE)**  
**Device therapy in cardiomyopathies – Nico Blom (Leiden, NL)**  
**Preparticipation screening for prevention of sudden death in athletes – Domenico  
Corrado (Padua, IT)**
- 11:30–13:00 Abstract Session 1 – Fetal**  
*Chairs: Ingrid Oberhänsli (Geneva, CH), Jean René Lusson (Clermont Ferrand, FR)*
- O1-1 Increased nuchal translucency and its relationship to fetal congenital heart disease**  
*Vogel M. (1), Sharland G.K. (1), Zidere V. (2), Simpson J.M. (1), Miller O. (1), Allan L.D. (2)  
Evelina Children's Hospital, London, UK (1); Kings College Hospital, London, UK (2)*
- O1-2 Preventive effect of periconceptional folic acid supplementation on the risk of  
congenital heart defects: A registry based case-control study in the Netherlands**  
*van Beynum I.M. (1), Kapusta L. (1), Bakker M.K. (2), den Heijer M. (1), Blom H.J. (1),  
de Walle H.E.K. (2)  
Radboud University Nijmegen Medical Centre, Nijmegen, the Netherlands(1);  
EUROCAT-Registration Northern Netherlands, University Medical Centre Groningen,  
the Netherlands (2)*



- 01-3 Fetal Pulmonary Venous Doppler Flow Pattern: Predicting the Need for Emergent Atrial Septostomy in Newborns with Hypoplastic Left Heart Syndrome (HLHS)**  
*Jaeggi E. T., Chaturvedi R., Cavalle-Garrido T. Jaeggi M.*  
*Division of Cardiology, The Hospital for Sick Children, Toronto, Canada*
- 01-4 Haemodynamic assessment of prenatally treated arrhythmias in fetuses**  
*Tomek V. (1), Jičinská H. (2), Škovránek J. (1), Gilík J. (1), Marek J. (1)*  
*Kardiocentrum and Cardiovascular Research Centre, University Hospital Motol, Prague, Czech Republic (1); Department of Pediatric Cardiology, University Hospital Brno, Czech Republic (2)*
- 01-5 Outcomes of Fetuses with Potential Multiple Left Heart Obstructive Lesions (Shone's Complex)**  
*Han R.K., Yoo S.J., VanArsdell G.S., McCrindle B.W., Jaeggi E.T.*  
*Hospital for Sick Children, Toronto, Canada*
- 01-6 A Fetal Cardiology Telemedicine Program: Acceptability, Social Factors and Impact on Maternal Anxiety**  
*McCrossan B.A., Sands A.J. & Casey F.A.*  
*Department of Paediatric Cardiology, Royal Belfast Hospital for Sick Children, UK*

11:30–13:00

**Abstract Session 2 – Surgery/Intensive Care**

*Chairs: Eduardo da Cruz (Denver, USA), Evelyn Lechner (Linz, AT)*

- 02-1 Early Postoperative Arrhythmias in over 800 Consecutive Congenital Surgical Patients**  
*Kansy A. (1), Rękawek J. (2), Knecht M. (2), Paszke M. (2), Bieganowska K. (2), Szymaniak E. (2), Burczyński P. (1), Kawalec W. (2), Brzezińska-Rajszyś G. (2), Rytko D. (3), Manowska M. (3), Birbach M. (1), Maruszewski B. (1)*  
*Department of Cardiothoracic Surgery, The Children's Memorial Health Institute, Warsaw, Poland (1); Department of Cardiology, The Children's Memorial Health Institute, Warsaw, Poland (2); Department of Anesthesiology and Intensive Care, The Children's Memorial Health Institute, Warsaw, Poland (3)*
- 02-2 Restrictive enlargement of the pulmonary annulus at surgical repair of tetralogy of Fallot – 10 years experience with a uniform surgical strategy**  
*Voges I., Schumacher M., Scheewe J., Fischer G., Jung O., Kramer H.H., Uebing A.*  
*Department of Paediatric Cardiology and Cardiovascular Surgery, University Hospital of Schleswig-Holstein, Campus Kiel, Kiel, Germany*
- 02-3 Is it there an optimal timing for surgical ligation of patent ductus arteriosus in preterm infants?**  
*Vida V.L. (1), Lago P. (2), Salvadori S. (2), Boccuzzo G. (3), Padalino M.A. (1), Milanese O. (2), Speggorin S. (1), Butticci R. (1), Stellin G. (1)*  
*Department of Pediatric and Congenital Cardiac Surgery, Padua, Italy (1); Department of Pediatric Cardiology, Padua, Italy (2); Department of Statistics, Padua, Italy (3)*
- 02-4 Could Hyperglycaemia and Troponin I predict outcome in intensive care after congenital heart surgery in children?**  
*Di Bernardo S. (1), Perez M-H. (2), Stucki P. (2), Sekarski N. (1), Cotting J. (2)*  
*Pediatric cardiology Unit, University Hospital Center (CHUV), Lausanne, Switzerland (1); Pediatric Intensive Care Unit, University Hospital Center (CHUV), Lausanne, Switzerland (2)*
- 02-5 Perfusion of the Descending Aorta in the Norwood Procedure**  
*Mair R. (1), Sames E. (1), Vondrys D. (1), Lechner E. (2), Vossen S. (2), Tulzer G. (2)*  
*Department of Cardiac Surgery, General Hospital Linz (1); Department of Pediatric Cardiology, Children's Hospital Linz (2)*
- 02-6 Attitudes and practices of North American paediatric cardiologists and cardiac surgeons in the management of hypoplastic left heart syndrome: a survey-based study**  
*Prsa M. (1), Carnevale F. (1), Justino H. (2), Rohlicek C. (1)*  
*Division of Cardiology, Department of Pediatrics, Montreal Children's Hospital, McGill University Health Centre, Montreal, Canada (1); Section of Pediatric Cardiology, Department of Pediatrics, Texas Children's Hospital, Baylor College of Medicine, Houston, USA (2)*

13:00–14:00

**Visit of the exhibition and posters and lunch**

- 13:00–14:00 Junior Members' lunch-break session**
- 13:00–14:00 Cardiac Coding Committee Meeting**
- 14:00–15:30 The future of PAH – A tailored approach (with the educational support of Actelion)**  
*Chairs: Maurice Beghetti (Geneva, CH), Ingram Schulze-Neick (London, UK)*
- PAH associated with CHD – More similarities than differences?**  
*Dunbar Ivy (Denver, USA)*
- Targeted therapy for PAH-CHD – Size matters**  
*Maurice Beghetti (Geneva, CH)*
- Tracking change – Future profile of PAH-CHD**  
*Ingram Schulze-Neick (London, UK)*
- 14:00–15:30 Scientific Session of the WG Fetal Cardiology**
- Maternal and fetal clinical challenges**  
*Chairs: Alain Fraisse (Marseille, FR), Sara Thorne (Birmingham, UK)*
- Pregnancy in women with congenital heart disease. Management and outcomes –**  
*Sara Thorne (Birmingham, UK)*
- Arrhythmias of genetic origin. Management of the mother, fetus and family –**  
*Lia Crotti (Pavia, IT)*
- European study on fetal heart block: an update – Håkan Eliasson (Stockholm, SE)**
- Management of the mother with autoantibodies and her fetus.**
- North American perspective – Deborah M. Friedman (New York, USA)**
- European perspective – Sven-Erik Sonesson (Stockholm, SE)**
- 14:00–15:30 Symposium on live 3D Echo in Paediatric Cardiology (Philips unrestricted educational grant)**  
*Chairs: Maria Giovanna Russo (Naples, IT), Folkert Jan Meijboom (Nijmegen, NL)*
- 3D Echo in routine paediatric cardiology – Philippe Acar (Toulouse, FR)**
- Congenital heart disease, various clinical cases pointing at the benefit of 3-D echo –**  
*Stephen Pruett Sanders (Rome, IT)*
- Intraoperative 3-D Echo guiding surgical procedure – John Simpson (London, UK)**
- 3D Echo in fetal diagnosis – Elena Reffo (Padua, IT)**
- 15:30–16:00 Coffee break and visit of the exhibition**
- 16:00–17:30 Abstract Session 3 – Imaging**  
*Chairs: Emanuela Valsangiacomo (Zurich, SE), Enrico Chiappa (Florence, IT)*
- O3-1 Feasibility of Whole-Heart Steady-State Free Precession Magnetic Resonance Coronary Angiography in Neonates, Infants and Children with Congenital Heart Disease**  
*Tangcharoen T., Bell A., Hegde S., Botnar R., Beerbaum P., Schaeffter T., Razavi R., Greil G.*  
*King's College London, Division of Imaging Sciences, London*
- O3-2 Accuracy of 3D-Real-Time Echocardiography for the assessment of small volumes and distances**  
*Herberg U. (1), Brand M. (1), Trier H.G. (2), von Hahn R. (3), Bernhardt C. (1), Breuer J. (1)*  
*Department of Pediatric Cardiology, Bonn, Germany (1); TIMUG, Bonn, Germany (2); TÜV München, Germany (3)*
- O3-3 MRI Catheter Assessment of Total and Differential Pulmonary Vascular Resistance in Single Ventricle Physiology**  
*Bell A. (1) (2), Greil G. (1) (2), Beerbaum P. (1) (2), Schaeffter T. (1), Razavi R. (1) (2)*  
*Kings College London (1); Guy's and St. Thomas' NHS Foundation Trust (2)*
- O3-4 The impact of pre-existent myocardial remodelling on the ventricular function after Tetralogy of Fallot repair**  
*Farah M.C.K., Castro C.R.P., Moreira V. M., Guerra V.C., Binotto M.A., Riso A.A., Marcial M.B., Lopes A.A., Aiello V.D.*  
*Heart Institute (InCor), University of São Paulo Medical School, Brazil*

- 03-5 Correction of right ventricular loading conditions improves left ventricular systolic and diastolic function**  
Lurz P., Puranik R., Nordmeyer J., Khambadkone S., Frigiola A., Coats L., Marek I., Bonhoeffer P., Taylor A. M.  
UCL Institute of Child Health and Great Ormond Street Hospital, London for Children, UK
- 03-6 Assessment of Right Ventricular Function with the Pressure-Volume Conductance System after Surgery for Congenital Heart Disease – The Value of Volume**  
Uebing A. (1), Kramer H.-H. (1), Schlangen J. (1), Scheewe J. (1), Steendijk P. (2), Fischer G. (1)  
(1) Department of Paediatric Cardiology and Cardiovascular Surgery, University Hospital of Schleswig-Holstein, Campus Kiel, Kiel, Germany;  
(2) Department of Cardiology, Leiden University Medical Center, Leiden, The Netherlands
- 16:00–17:30 Abstract Session 4 – General Cardiology**  
Chairs: Alpay Celiker (Ankara, TR), Vlasta Fesslova (Milan, IT)
- 04-1 20 years single center experience in pediatric heart transplantation: Long term results**  
Behnke-Hall K., Bauer J., Thul J., Akintuerk H., Valeske K., Horn M., Bartram U., Kraemer U., Schranz D.  
Children's heart center Giessen Germany
- 04-2 Results from the Swedish Prospective Screening Study in Newborns With Pulse Oximetry – 39 878 babies in the Region of Västra Götaland**  
de-Wahl Granelli A. (1), Mellander M. (1), Sunnegårdh J. (1), Sandberg K. (1), Wennergren M. (2), Eriksson M. (3), Segerdahl N. (3), Ågren A. (4), Ekman-Joelsson B-M. (4), Bejlum C. (5), L Inganäs L. (5), Östman-Smith I. (1)  
The Queen Silvia Children's Hospital (1); The East Hospital (2) Göteborg; SÅS Borås (3); SKAS Skövde (4); NÅL Trollhättan (5), Sweden
- 04-3 Sudden death in children with cardiomyopathy: Results from a national population-based study of childhood cardiomyopathy.**  
Bharucha T., Davis A.M., Turner C., Ramsay J., Robertson T., Daubeney P.E.F., Nugent A.W., King I., Weintraub R.W.  
Royal Children's Hospital, Melbourne, Australia
- 04-4 Effect of medical therapy in childhood hypertrophic cardiomyopathy with risk factors for heart-failure related death**  
Östman-Smith I. (1), Keeton B. (2), Wettrell G. (3)  
Division of Paediatric Cardiology, Queen Silvia Children's Hospital, Gothenburg, Sweden (1)  
Wessex Cardiothoracic Centre, Southampton, United Kingdom (2)  
Division of Paediatric Cardiology, University Hospital, Lund, Sweden (3)
- 04-5 Sildenafil in the management of the failing Fontan circulation**  
Reinhardt Z. (1), Bhole V. (1), Uzun O. (2), Wright J. (1), Linter K. (1), Onuzo O. (2), Wilson D. (2), Stumper O. (1)  
The Heart Unit, Birmingham Children's Hospital – NHS Foundation Trust, Birmingham, UK (1), Department of Paediatric Cardiology University Hospital Wales, Cardiff, UK (2)
- 04-6 Cardiac function and outcome of patients with infantile Pompe's disease treated with recombinant human alpha-glucosidase (rhGAA) in Germany – a retrospective survey**  
Schmidt D. (1), Schranz D. (1), Hagel K.J. (1), Hennermann J.B. (3), Smitka M. (4), Tarusinov G. (5), Marquardt T. (6), Haase C. (7), Trübel H. (8), Motz R. (9), Fröhlich G. (10), Neubauer B.A. (2), Kampmann C. (11), Mengel E. (11), Hahn A. (2)  
Pediatric Heart Center, University Gießen, Germany (1), Department of Neuropediatrics, University Gießen, Germany (2), Department of Pediatrics, Charité Campus Virchow-Klinikum, Berlin, Germany (3), Children's Hospital, University Dresden, Germany (4), Pediatric Heart Center, Duisburg, Germany (5), Department of Pediatrics, University Hospital Münster, Germany (6), Department of Pediatrics, University Hospital Jena (7), Department of pediatric cardiology, Children's Hospital Wuppertal University of Herdecke, Germany (8), Department of pediatric cardiology, Children's Hospital Oldenburg, Germany (9), Children's Hospital, Memmingen, Germany (10), Children's Hospital, University of Mainz, Germany (11)

- 16:00–17:30 Abstract Session 5 – Arrhythmias**  
*Chairs: Maarten Witsenburg (Rotterdam, NL), Urs Bauersfeld (Zurich, CH)*
- O5-1 Radiofrequency ablation in infants**  
*Sarquella Brugada G., Torner S., Esquirol M., Prada F., Mortera C., Bartrons J., Rissech M., Jimenez L., Carretero J., Brugada J. Arrhythmia Unit, Cardiology Section, Hospital Sant Joan de Déu, Barcelona, Spain*
- O5-2 Catheter ablation of common supraventricular tachycardia substrates in children in the era of non-fluoroscopic navigation**  
*Papagiannis J., Tsoutsinos A.I., Kourkovele P.E., Kantzis M., Rammos S. Onassis Cardiac Surgery Center, Athens, Greece*
- O5-3 Reproducibility of Left Ventricular Dyssynchrony Evaluation by Echocardiographic 2D Strain in the Young**  
*Janousek J. (1), Razek V. (1), Salameh A. (1), Gebauer R.A. (2) Department of Pediatric Cardiology, University of Leipzig, Heart Center, Leipzig, Germany (1); Kardiocentrum and Cardiovascular Research Center, University Hospital Motol, Prague, Czech Republic (2)*
- O5-4 Low Rate of inappropriate Shocks in paediatric Patients with ICD by preventing Strategies for Tachycardias and individual Device Programming**  
*Botsch M., Franzbach B., Krings G., Opgen-Rhein B., Will J. C., Berger F. Departement of paediatric cardiology and congenital heart failure, Charité Medical Centre, Berlin, Germany*
- O5-5 Left Ventricular Apical Pacing in The Young: Preserved Synchrony and Left Ventricular Function over Mid-Term Follow-Up**  
*Janousek J. (1), Gebauer R.A. (2), Tomek V. (2), Razek V. (1), Gebauer R. (2), Matejka T. (2), Kostelka M. (3) Department of Pediatric Cardiology, University of Leipzig, Heart Center, Leipzig, Germany (1); Kardiocentrum and Cardiovascular Research Center, University Hospital Motol, Prague, Czech Republic (2); Department of Cardiac Surgery, University of Leipzig, Heart Center, Leipzig, Germany (3)*
- O5-6 Mapping of Intraatrial Reentrant Tachycardias by Remote Magnetic Navigation in Patients with D-Transposition of the Great Arteries after the Mustard or Senning Procedure**  
*Pflaumer A. (1), Wu J. (2), Deisenhofer I. (2), Ücer E. (2), Estner H. (2), Hess J. (1), Zrenner B. (2), Hessling G. (2) Pediatric Cardiology (1) and Cardiology (2), Deutsches Herzzentrum Muenchen, Klinik an der TUM, Munich, Germany*
- 17:45–19:45 AEPC Business Meeting**
- 8:30–18:00 Simulator Workstation Organised by AGA Medical**
- 09:00–17:30 Posters**
- P-1 Simulation of a virtual paediatric population as a basis for an amiodarone dosing regimen**  
*Ramusovic S., Vogt W., Frobel A. K., Lärer S. Clinical Pharmacy and Pharmacotherapy, University of Duesseldorf, Germany*
- P-2 Twenty five years of single centre experience with permanent pacemaker therapy in children**  
*Bhole V., Stickley J., Chikermane A., Ofoe V., Desai T., Mills K., Atkins G., Timmins J., Dhillon R., DeGiovanni J.G. Birmingham Children's Hospital NHS Foundation Trust, Birmingham, U.K*
- P-3 Early Intervention Reduces Histological Changes of the Pulmonary Root Under Pressure Overload**  
*Maschietto N. (1), Vida V.L. (2), Stellin G. (2), Milanese O. (1), Thiene G. (3), Basso C. (3) Department of Pediatrics, Pediatric Cardiology Unit, University of Padua Medical School – Italy (1); Pediatric and Congenital Cardiac Surgery Unit, Centro Gallucci, University of Padua Medical School – Italy (2); Department of Medical-Diagnostic Sciences and Special Therapies, University of Padua Medical School – Italy (3)*

- P-4 Fetal 3D echocardiography in congenital cardiac and extra-cardiac defects**  
Reffo E., Santagati C., Zabadneh N., Milanese O., Biffanti R., Cerutti A., Maschietto N., Grison A.  
*Pediatric Clinic of University of Padua, Italy. Department of Pediatric Cardiology*
- P-5 Preclinical Evaluation of the Amplatzer Ductus Occluder-II**  
Gu X. (1), Qian Z. (1) Zhao C. (1) Oslund J. (1) Bass J. (2) Gruenstein D. (2)  
*AGA Medical Corporation, Plymouth, MN, USA (1), University of Minnesota Children's Hospital, Minneapolis, MN, USA (2)*
- P-6 Pulmonary Regurgitation: The Impact on Right Ventricle and the Effect of Percutaneous Pulmonary Valve Replacement**  
Søndergaard L. (1), Vejlstrop N.G. (1), Boudjemline Y. (2), Bonhoeffer P. (3)  
*Department of Cardiology, Rigshospitalet, Copenhagen, Denmark (1); Service de Cardiologie, Pédiatrique, Hôpital Necker Enfants Malades, Paris, France (2); Department of Paediatric Cardiology, Great Ormond Street Hospital, London, England (3)*
- P7 Preliminary experience with hybrid palliation for patients with hypoplastic left heart syndrome**  
Knirsch W. (1), Waldvogel K. (2), Balmer C. (1), Dodge-Khatami A. (3), Pretre R. (3), Kretschmar O. (1)  
*Divisions of Pediatric Cardiology (1), Pediatric Intensive Care (2), Pediatric Cardiac Surgery (3), University Children's Hospital Zurich, Switzerland*
- P-8 Preoperative HDL-to-total cholesterol ratio predicts hemodynamic instability in patients after cardiopulmonary bypass surgery**  
Liuba P. (1), Gudbjartsson T. (2), Johansson S. (3)  
*Paediatric (1) Cardiology and (2) Cardiac Surgery, Lund University Hospital, Lund, Sweden; (3) Cardiothoracic Surgery, Landspítali University Hospital, Reykjavik, Iceland*
- P-9 Retro- and prospective analysis of cardiovascular risk factors in rehabilitative intervention programs for obese children**  
Böhm B. (1), Kallweit C. (2), Hartmann K. (2), Bauer CP. (2), Oberhoffer R. (1)  
*Institute of Public Health Research, Faculty of Sport Science, University of Technology Munich, Germany (1); Department of Pediatrics and Children's Hospital Medical Center, University of Technology Munich, Germany (2)*
- P-10 Changes in left ventricular mass in the acute state and with refeeding in anorexia nervosa compared with ghrelin, leptin and adiponectin**  
Docx M.K.F. (1), Eyskens F. (2), Vandenberghe Ph. (1), Gewillig M. (3), Mertens L. (3)  
*Department of Paediatrics and Paediatric Cardiology Koningin Paola Kinderziekenhuis, Antwerp, Belgium (1); Center of Metabolic Diseases Koningin Paola Kinderziekenhuis, Antwerp, Belgium (2); Paediatric Cardiology University Hospital Gasthuisberg, Leuven, Belgium (3)*
- P-11 Hypertension following pediatric heart transplantation is primarily associated with immunosuppressive regimen**  
Roche S.L., Kaufman J., Dipchand A.I., Kantor P.F.  
*The Hospital For Sick Children, Toronto Canada*
- P-12 Safety of maximal exercise testing in children with pulmonary hypertension**  
Smith G., Reyes J., Russell J., Humpl T.  
*Heart Center, Hospital for Sick Children, Toronto, Canada*
- P-13 Expression of right atrial KATP channel pore in children with congenital heart disease: an adaptive mechanism during hypoxia?**  
Dauvé V. (1), Philip-Couderc P. (1), Roatti A. (1), Habre W. (2), Sierra J. (3), Kalangos A. (3), Beghetti M. (4), Baertschi A. J. (1)  
*Departments of Neuroscience(1), Anaesthesia(2), Surgery(3), and Pediatrics(4), Centre Médical Universitaire, Geneva, Switzerland*
- P-14 Persistent pleural effusions after the Fontan procedure**  
Stumper O., Ofoe V., Reinhardt Z., Bhole V., Stickley J., Jones T., Barron D.J., Brawn W.J.  
*The Heart Unit, Birmingham Children's Hospital - NHS Foundation Trust, Birmingham, UK*
- P-15 Long term behavioural outcome after modified Fontan repair (Total cavopulmonary connection, TCPC) of functional single ventricle**  
Vahsen N., Toussaint-Götz N., Schneider M.  
*Deutsches Kinderherzzentrum Sankt Augustin, Germany*



- P-16 Pulmonary Arterial Hypertension (PAH) predicts outcome of patients with Congenital Diaphragmatic Hernia (CDH)**  
Charisopoulou D., Hislop A., Moledina S., Foster H., Flynn H., Schulze-Neick I., Haworth S.G.  
Great Ormond Street Hospital for Sick Children NHS Trust, London, UK
- P-17 High incidence of acquired von Willebrand syndrome in patients with congenital heart defects**  
Kidszun A. (1), Rentzsch A. (1), Borchers J. (2), Eichler H. (2), Abdul-Khaliq H. (1)  
Department of Paediatric Cardiology (1) and Institute of Clinical Haematology and Transfusion Medicine (2), Saarland University Hospital, Homburg/ Saar, Germany
- P-18 Daclizumab as induction therapy in pediatric heart transplantation**  
Fuchs A., Diterich J., Beier G., Dalla-Pozza R., Urschel S., Kozlik-Feldmann R., Netz H.  
Department of Pediatric Cardiology, University Medical School Grosshadern, Munich
- P-19 Potential coronary complications after arterial switch operation**  
Pesonen E. (1), Munkhammar P. (1), Hochbergs P. (2), Jögi P. (1)  
Children's Hospital, University Hospital, Lund, Sweden (1); Department of Radiology, University Hospital, Lund, Sweden (2)
- P-20 Outcome of children surviving Persistent Pulmonary Hypertension of the Newborn**  
Roofthoof M.T.R. (1), Elema A. (1), Bergman K.A. (2), Berger R.M.F. (1)  
1 Department of Pediatric Cardiology and  
2 Department of Neonatology Beatrix Childrens Hospital, University Medical Centre Groningen, University of Groningen, the Netherlands
- P-21 Relation of arterial stiffness with intrauterine growth retardation (IUGR)**  
Levent E. (1), Atik T. (2), Darcan S. (2), Ulger Z. (1), Goksen D. (2), Ozyurek R. (1)  
Ege University, Faculty of Medicine, Department of Pediatric Cardiology (1) and Endocrinology (2), Izmir, Turkey
- P-22 Normal values, range and upper limits, of NT-pro B-type natriuretic peptide in infants and children. Analysis of combined data from 4 studies**  
Nir A. (1), Lindinger A. (2), Rauh M. (3), Bar-Oz B. (4), Laer S. (5), Schwachtgen L. (2), Koch A. (3), Falkenberg J. (6), Mir T.S. (6)  
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- P-23 Successful implantation of ventricular assist devices in children**  
Fuchs A. (1), Diterich J. (1), Beier G. (1), Kozlik-Feldmann R. (1), Daebritz S. (2), Schmitz C. (2), Netz H (1)  
Department of Pediatric Cardiology, Medical School Grosshadern, Munich, Germany (1); Department of Cardiac Surgery, Medical School Gro sshadern, Munich, Germany (2)
- P-24 Psychosocial adjustment and quality of life in children attending a hypertrophic cardiomyopathy clinic**  
Kaski J.P., O'Curry S., Winter-Beatty J., Mead-Regan S., Tome-Esteban M., Deanfield J.E., McKenna W.J., Elliott P.M.  
Great Ormond Street Hospital, London, U.K.
- P-25 Coronary arteries in children with TGA late after arterial switch operation**  
Moll M. (1), Dryzek P. (2), Moszura T. (2), Mazurek-Kula A. (2), Moll J.J. (1), Sysa A. (2)  
Department of Cardiosurgery, Polish Mother's Memorial Hospital Research Institute, Lodz, Poland(1)  
Department of Cardiology, Polish Mother's Memorial Hospital Research Institute, Lodz, Poland(2)
- P-26 Associations between single nucleotide polymorphisms in the VEGF gene and congenital heart defects in human**  
Smedts H.P.M. (1), Isaacs, A. (2); Uitterlinden, A.G. (3); Duyn van C.M. (2); Costa de D. (1); Helbing W.A. (4); Steegers E.A.P. (1); Steegers-Theunissen R.P.M. (1,4,5,6)  
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Genetic Epidemiology, Erasmus MC (2); Internal Medicine, Erasmus MC (3); Paediatric Cardiology, Erasmus MC - Sophia Children's hospital (4); Epidemiology, Erasmus MC (5); Clinical Genetics, Erasmus MC (6)

- P-27 An atherogenic maternal lipid profile is a risk factor for congenital heart defect offspring**  
Smedts H.P.M. (1), Uitert van E.M. (1), Valkenburg O. (2), Laven, J.S.E. (2), Eijkemans M.J.C. (3), Lindemans J. (4), Steegers E.A.P. (1), Steegers-Theunissen R.P.M. (1,5,6,7)  
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- P-28 Fibrillin-1 Gene Polymorphism and Risk of Mitral Valve Disease**  
Ozdemir O. (1), Olgunturk R. (2), Karaer K. (3), Ergun M.A. (3), Tunaoglu F.S. (2), Oguz D. (2), Kula S. (2)  
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- P-29 The Effect of Liver Transplantation on Cardiac Function, Hepatopulmonary Syndrome, and Portopulmonary Hypertension**  
Varan B. (1), Özçay F. (2), Kanra S. (2), Gökdemir M. (1), Cindik N. (1), Özbay F. (2), Tokel K. (1), Haberal M. (3)  
Baskent University Faculty of Medicine, Ankara, Turkey  
Department of Pediatric Cardiology (1); Department of Pediatric Gastroenterology (2); Department of General Surgery (3)
- P-30 Risk factors for restenosis after isolated discrete subaortic stenosis removal**  
Kaneva A., Pilosoff V., Tzonzarova M., Lazarov S.  
National Heart Hospital, Sofia, Bulgaria
- P-31 Respiratory Infections in Down Syndrome with and without Congenital Heart Disease. The CIVIC 21 Study in Spain 2006–2007**  
Medrano C., Garcia-Guereta L., Lirio J., Garcia-Perez J., Ballesteros F., Casaldaliga J., Cuenca V., Escudero F., Garcia de la Calzada L., Grueso J., Insa B., Luis M., Mendoza A., Carretero J., Rodriguez M.M., Suarez P., Quero C.  
In representation to the CIVIC group from the Spanish Society of Pediatric Cardiology and Congenital Heart Diseases (SECPC)
- P-32 Safety profile of Clopidogrel in children with heart disease**  
Edwards S. (1), Naqvi N. (1), Jiggins M. (2), Franklin R.C.G. (3), Slavik Z. (4)  
Royal Brompton Hospital, Royal Brompton & Harefield NHS Trust, London, United Kingdom (1)
- P-33 Long-term outcome of pediatric heart transplant recipients from donation after cardiac death**  
Tissot C. (1), Pietra B.A. (1), Boucek M.M. (2), Campbell D.N. (1), Ripe D.W. (1), Mashburn C. (1), Mitchell M.B. (1), Ivy D.D. (1), Miyamoto S.D. (1)  
(1) The Children's Hospital, Denver, Colorado, US (2) Joe DiMaggio Children's Hospital, Hollywood, Florida, US
- P-34 Cardiac features of Kawasaki Disease in France: a single-center experience**  
Di Filippo S. (1), Lega J.C. (2), Cimaz R. (3), Cochat P. (3), Floret D. (3), Nicolino M. (4), Bellon G. (4), Bozio A. (1)  
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Hôpital Jules Courmont, Internal and Vascular Medicine, Lyon, France (2)  
Hôpital Edouard Herriot, Pediatrics, Lyon, France (3)  
Hôpital Debrousse, Pediatrics, Lyon, France (4)
- P-35 Sub-optimal Dosing Patterns of ACE-inhibitors in Paediatric Cardiology Patients**  
Roche S.L., Balasingam M., Timberlake K., Kantor P.F.  
The Hospital For Sick Children, Toronto, Canada
- P-36 Neoaortic Aneurysm: Following Arch Reconstruction for Hypoplastic Left Heart Syndrome**  
Linter K.J. (1), Davies B. (2), Stumper O. (1), Reinhardt Z. (1), Stickley J. (1), Wright J.G. (1), Miller P. (1), Dhillon R (1), Chikermane A. (1), Jones T.J. (2), Barron D.J. (2), Brawn W.J (2), Giovanni J.V.D (1)

- Departments of Cardiology(1) and Cardiac Surgery(2), Diana, Princess of Wales Children's Hospital, Birmingham Children's Hospital NHS Trust, Birmingham, UK*
- P-37 Radial artery percutaneous coronary angiography in teenagers**  
Kirk C.R., Zaman A.  
*Freeman Hospital, Newcastle upon Tyne, UK*
- P-38 Clinical outcome of children with uncompact left ventricle: a large experience from a single centre over 20 years**  
Gagliardi M.G., Pilati M., Toscano A., Saffirio C., Del Pasqua A., Adorisio R., Sanders S.P.  
*Bambino Gesù Hospital, Rome, Italy*
- P-39 Can treatment slow aortic dilatation in Marfan Syndrome? A Systematic Review of 103 Cases**  
Chetaille Ph., St-Pierre J., Beaudoin EL., Lapointe A., Delisle G., Houde C., Côté JM.  
*Centre Mère-Enfant du Centre Hospitalier Universitaire de Québec, Québec, Canada*
- P-40 Congenitally Corrected Transposition in Situs Inversus: Report of an Original Series**  
Favia Guarnieri G., Adurno G., Tagliente M.R., Balducci G., Iorio F.M., Tomasco B., Troise D., Vairo U.  
*Pediatric Cardiology and Cardiac Surgery, San Carlo Hospital, Potenza – Italy*
- P-41 Left atrioventricular valve stenosis after Atrioventricular Septal Defect repair: Intraoperative Transesophageal Echocardiography predictors and outcome**  
Cabral M.B.C., Binotto M.A., Takigawa L.M., Mathias Jr W., Guerra V.C.  
*Heart Institute (InCor), University of São Paulo Medical School, Brazil*
- P-42 Angiotensin Converting Enzyme Gene Polymorphism Frequency in Normotensive Children with Positive Family History of Essential Hypertension**  
Kilic Z. (1), Camci L. (2), Dinleyici E.C. (2), Muslumanoglu H. (3), Ucar B (1)  
*Eskisehir Osmangazi University Faculty of Medicine, Department of Pediatric Cardiology (1), Pediatrics (2) and Genetics (3), Eskisehir, Turkey*
- P-43 Pulmonary hypertension complicating isolated atrial septal defect in infancy**  
Pfammatter J.P. (1), DiBernardo S. (2), Götschmann S. (1), Pavlovic M. (1), Sekarski N. (2)  
*Pediatric Cardiology, University Children's Hospitals Berne (1) and Lausanne (2), Switzerland*
- P-44 The unnatural history of Critical Aortic Stenosis**  
Maschietto N. (1), Grosso G. (1), Reffo E. (1), Vida V.L. (2), Padalino MA. (2), Stellin G. (2), Milanese O. (1)  
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- P-45 Length, weight and head circumference in newborns with hypoplastic left heart syndrome**  
Tulzer G., Peterlechner T., Arzt W., Mair R.  
*Children's Heart Centre Linz, Linz, Austria*
- P-46 Attitude toward illness in children with mitral valve prolapse**  
Janiec I., Werner B., Florianczyk T.  
*Department of Pediatric Cardiology and General Pediatrics. The Medical University of Warsaw, Poland*
- P-47 Switching immunosuppression from CsA to Tac after pediatric heart and heart lung transplantation**  
Fuchs A., Diterich J., Stroetgen J., Beier G., Urschel S., Dalla-Pozza R., Kozlik-Feldmann R., Netz H.  
*Department of Pediatric Cardiology, University Hospital Großhadern, Munich, Germany*
- P-48 "Non causally related" pulmonary artery hypertension in congenital heart diseases**  
Basquin A., Levy M., Agnoletti G., Bajolle F., Boudjemline Y., Bonnet D.  
*M3C-Pediatric Cardiology, Necker-Enfants Malades, Paris, France*
- P-49 Echocardiographic versus CMR evaluation of right ventricular size after TOF repair**  
Munkhammar P. (1), Carlsson M. (2), Liuba P. (1), Sarna S. (3), Pesonen E. (1)  
*Children's Hospital, University Hospital, Lund, Sweden, Department of Clinical Physiology, University Hospital, Lund, Sweden, Department of Public Health, University of Helsinki, Helsinki, Finland*



- P-50 Vectorcardiographic recordings of QT interval predicts LQTS diagnosis in children**  
*Diamant U.B. (1), Winbo A. (2), Rydberg A. (2), Stattin E.L. (3), Jensen S.M. (1)*  
*Heart Centre(1), Paediatric Cardiology(2), medical and Clinical Genetics (3) Umeå University Hospital, Umeå, Sweden*
- P-51 Use of betablockade in patients with catecholaminergic polymorphic ventricular tachycardia**  
*De Klerk J.C.A. (1), Clur S.A. (2), Delhaas T. (3), Blank A.C. (4), Blom N.A. (5), De Kezel C.C.A. (6), Rammeloo L. (7), Van de Heuvel F. (8), Reimer A. (9), Wilde A.A.M. (2), Ten Harkel A.D.J. (1)*  
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- P-52 Use of betablockade in patients with long QT syndrome**  
*De Klerk J.C.A. (1), Clur S.A. (2), Delhaas T. (3), Blank A.C. (4), Blom N.A. (5), De Kezel C.C.A. (6), Rammeloo L. (7), Van de Heuvel F. (8), Reimer A. (9), Wilde A.A.M. (2), Ten Harkel A.D.J. (1)*  
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- P-53 Junctional ectopic tachycardia after surgery for congenital heart disease: incidence, risk factors and outcome**  
*Mildh L. (1), Hiippala A. (2), Rautiainen P. (1), Sairanen H. (3), Pettilä V. (4), Happonen J-M. (2)*  
*Department of Anaesthesia and Intensive Care (1), Paediatric Cardiology (2), aediatric Cardiac Surgery (3), Hospital for Children and Adolescents; Division of Anaesthesia and Intensive Care (4), Helsinki University Hospital, Helsinki, Finland*
- P-54 Automatic atrial threshold measurement is reliable in pediatric pacemaker patients**  
*Hiippala A. (1), Serwer G. (2), Clausson E. (3), Davenport L. (4), Brand T. (4), Happonen J-M. (1)*  
*Pediatric Cardiology, Helsinki University Hospital, Helsinki, Finland (1); University of Michigan Congenital Heart Center, University of Michigan Health System, Ann Arbor, MI, USA (2); Medtronic AB, Kista, Sweden (3); Medtronic, Inc., Mounds View, MN, USA (4)*
- P-55 Pediatric ablation in an adult electrophysiology laboratory: A safe and effective setup**  
*Chetaille Ph. (1), Cote JM. (1), Philippon F. (2), Champagne J. (2), Gilbert M. (2), Molin F. (2), Blier L. (2), Houde C. (1), Delisle G. (1), O'Hara G. (2)*  
*Centre Mère-Enfant du Centre Hospitalier Universitaire de Québec, Québec, Canada (1); Québec city Heart Institute, Hôpital Laval, Québec, Canada (2)*
- P-56 Use of automatic ventricular threshold measurement and adjustment (AutoCapture™) in infants**  
*Hiippala A., Happonen J-M.*  
*Pediatric Cardiology, Helsinki University Hospital for Children and Adolescents, Helsinki, Finland*
- P-57 Transseptal Procedures [TSP] in Pediatric EP and Cardiology: Long Term Follow Up and Risk Analysis in more than 1100 Patient-Years**  
*Will J.C., Botsch M., Krings G., Berger F.*  
*Pediatric Cardiology, Charite University Hospital Berlin, Germany*

- P-58 Sensitivity and Specificity of QT-RR Relationship on Holter in LQT1, LQT2 versus Gene-negative Patients Being Assessed for Long QT Syndrome (LQTS)**  
Hamilton R. M., Fenwick L. M., Gross G. J.  
*The Hospital for Sick Children, Toronto, Canada*
- P-59 Intraoperative ablation of ventricular tachycardia associated with right ventricular remodelling during valve implantation for pulmonary regurgitation and aneurysmal RVOT dilatation: a multidisciplinary approach to GUCH patients**  
Tavera M.C. (1), Foresti S. (1), Lupo P.P. (1), Ali H. (1), Pittalis M. (1), De Ambroggi G. (1), Chessa M. (2), Giamberti A. (3), Negura D. (2), Cappato R. (1)  
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- P-60 Safety and efficacy of paediatric outpatient radiofrequency catheter ablations**  
Tomaske M. (1), Candinas R. (1), Weiss M. (2), Bauersfeld U. (1)  
*Division of Paediatric Cardiology (1), Department of Anaesthesia (2), University Children's Hospital Zurich, Switzerland*
- P-61 Arrhythmia's in Patients with Ebstein Anomaly and RF Ablation**  
Szumowski L. (1), Orczykowski M. (1), Szufiadowicz E. (1), Derejko P. (1), Urbanek P. (1), Kepski R. (1), Bodalski R. (1), Włodarska K. (1), Knecht M. (2), Bieganowska K. (2), Kawalec W. (2), Walczak F. (1)  
*(1) Institute of Cardiology, Warsaw-Anin, Poland; (2) The Childrens Memorial Health Institute, Poland*
- P-62 Dilative Cardiomyopathy due to an eccentric electrical activation of the ventricles by an accessory pathway**  
Emmel M., Sreeram N. Brockmeier K.  
*Cologne Heart Center, Pediatric Cardiology, University of Cologne, Germany*
- P-63 Radiofrequency catheter ablation of ectopic supraventricular tachycardia in children**  
Bieganowska K. (1), Szumowski L. (2), Miszczak-Knecht M. (1), Rekawek J. (1), Szymaniak E. (1), Brzezinska-Paszke M. (1), Kaszuba A. (1), Kawalec W. (1), Walczak F. (2)  
*Department of Cardiology, The Children's Memorial Health Institute (1), Cardiac Arrhythmias Department, Institute of Cardiology (2), Warsaw, Poland*
- P-64 Regular Holter ECG monitoring for follow up of pacemaker patients – is it necessary?**  
Nagel B.H.P. (1), Gamillscheg A. (1), Anelli-Monti M. (2), Beitzke A. (1)  
*Paediatric Cardiology (1), Cardiac Surgery (2), Medical University, Graz, Austria*
- P-65 Sinus Bradycardia is a Frequent Presenting Finding in Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC)**  
Hamilton R. M., Huh J., De Souza L.  
*The Hospital for Sick Children, Toronto*
- P-66 Safety and Efficacy of Transvenous Lead Implantation After Catheter Closure of Intracardiac Septal Defects**  
Snyder C.S. (1), Cannon B (2), Dortan M. (1), Lucas V. (1), Braynt R. (3)  
*Ochsner Clinic Foundation, New Orleans USA (1)  
Texas Children's Hospital, Houston USA (2)  
University of Florida, Jacksonville USA (3)*
- P-67 The Diagnostic Yield from Implantable Loop Recorders in Children and Young Adults**  
Gass M. (2), Sreeram N. (1), Emmel M. (1), Brockmeier M. (1), Bennink G. (1), Apitz C. (2), Ziemer G. (2), Hofbeck M. (2)  
*University Hospital of Cologne, Germany (1);  
University Hospital of Tuebingen, Germany (2)*
- P-68 Transcatheter ablation of supraventricular tachycardia in patients with complex congenital heart disease**  
Foresti Sara (1), Tavera M.C. (1), Lupo P.P. (1), Ali H. (1), Pittalis M. (1), De Ambroggi G. (1), Chessa M. (2), Giamberti A. (3), Negura D. (2) and Cappato R. (1)  
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- P-69 Pulmonary valve insertion in an animal model of tetralogy of Fallot: refinement in device use**  
Basquin A., Pineau E., Roussin R., Mollet A., Agnoletti G., Bonnet D., Sidi D., Boudjemline Y.  
Necker For Sick Children Hospital, Paris, France.
- P-70 Embryonic Development of the Atrio-Ventricular Node from Triple AV-Nodal Primordia in Relation to Arrhythmia Etiology**  
Kolditz D.P. (1,3), Pijnappels D.A. (1), Blom N.A. (2), Hahurij N.D. (2,3), Gittenberger-de Groot A.C. (3), Schalij M.J. (1).  
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Institute B (2): Department of Pediatric Cardiology, Leiden University Medical Center, Leiden, The Netherlands  
Institute C (3): Department of Anatomy and Embryology, Leiden University Medical Center, Leiden, The Netherlands
- P-71 Time-related changes in biventricular systolic and diastolic function after chronic pulmonary artery banding in rats**  
Faber M.J. (1), Dalinghaus M. (1), Lankhuizen I.M. (1), Steendijk P. (2), Duncker D.J. (3), Lamers J.M.J. (4), Helbing W.A. (1)  
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- P-72 Stem cells vascular differentiation in a right ventricular congestive heart failure model**  
Castellani Chiara (1), Angelini A. (1), Dalla Libera L. (2), Gobbo V. (2), Piccoli M. (3), Pozzobon M. (3), Valente M. (1), Thiene G. (1), Vescovo G. (4)  
Cardiovascular Pathology (1); CNR Padua, department of biomedical science (2); department of pediatric Oncohaematology of Padua (3); division of Internal Medicine of Vicenza Hospital (4)
- P-73 Impact of fibrin and collagen matrices used in tissue-engineered heart valves on bacterial-endothelial interaction in a model of endocarditis**  
Heying R. (1,2), Wolf C. (1), Schmidt K.G. (2), Schrotten H. (1)  
Pediatric Infectious Diseases, Department of General Pediatrics, University Hospital Duesseldorf, Germany (1); Department of Pediatric Cardiology, University Hospital Duesseldorf, Germany (2)
- P-74 Characterization of paediatric pulmonary hypertension: not as straightforward as the Venice classification**  
van Loon R.L.E. (1), Roofthoof M.T.R. (1), van Osch-Gevers M. (2), Delhaas T. (3), Strengers J.L.M. (4), Kapusta L. (5), Blom N.A. (6), Berger R.M.F. (1)  
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- P-75 Hematologic Abnormalities In Children With Dilated Cardiomyopathy**  
Kammache I., Elie C., Marini D., Legendre A., Bonnet D., Agnoletti G.  
Necker Enfants Malades, Paris, France
- P-76 Bosentan for the treatment of Pulmonary Arterial Hypertension in Children**  
Gonçalves M.R., Freitas I., Paramés F., Martins J.D.F., Nogueira G., Trigo C., Pinto F.F., Kaku S.  
Hospital de Santa Marta  
Pediatric Cardiology Department Lisbon Portugal
- P-77 Beta-Blocker Therapy in Children with Dilated Cardiomyopathy: A Single Centre Experience**  
Gagliardi M.G., Pilati M., Saffirio C., Adorisio R., Sanders S.P.  
Bambino Gesù Hospital, Rome, Italy
- P-78 Aggressive Treatment of Pulmonary Hypertension before Heart Transplantation in Children**  
Gagliardi M.G., Adorisio R., Pilati M., Di Donato R., Parisi F., Sanders S.P.  
Bambino Gesù Hospital, Rome, Italy

- P-79 Aortic Isthmic and placental flow patterns in fetuses with hypoplastic left heart syndrome: Implications for brain development**  
 Fournon J.-C. (1), Siles A. (1), Roxanne Gendron R. (2), Lamoureux J. (1), Bureau N. (1,2), Andelfinger G. (2)  
 (1) Fetal Cardiology Unit, (2) Cardiovascular Genetics, Pediatric Cardiology Service, Department of Pediatrics, Sainte Justine Hospital, University of Montréal, Québec, Canada
- P-80 Mechanisms in fetal bradyarrhythmia: seventeen years experience with established and new Doppler echocardiographic techniques**  
 Sonesson S.-E., Eliasson H.  
 Pediatric Cardiology, Karolinska Institutet, Stockholm, Sweden
- P-81 Pre and post-natal outcome of fetal tachycardias: retrospective analysis of 41 consecutive cases**  
 Paoli F., Poinso J., Vaillant M.C., Chantepie A.  
 Hôpital Clocheville, CHRU, Université François Rabelais, Tours, France
- P-82 High Frame Rate Vector Velocity Imaging: a Novel Approach to Assessment of Fetal Cardiac Function in Congenital Heart Disease using a Speckle Tracking Algorithm**  
 Matsui H. (1, 2), Germanakis I. (1, 2), Roughton M. (2), Gardiner H. (1, 2)  
 Faculty of Medicine, Imperial College at Queen Charlotte's & Chelsea Hospital, UK (1) Royal Brompton Hospital, London, UK (2)
- P-83 Progression of pulmonary-aortic asymmetry in foetus: an aid to predict neonatal coarctation**  
 Bonnet D., Goulet M., Fermont L., Le Bidois J., Maltret A., Bajolle F., Stos B.  
 M3C-Pediatric Cardiology, Necker-Enfants Malades, Paris, France
- P-84 Comprehensive considerations for prenatal counseling in presence of fetal cardiac rhabdomyoma**  
 Chockalingam P. (1), Degueldre S. (1), Mivelaz Y. (1), Di Bernardo S. (1), Pfammatter JP. (2), Barrea C. (3), Sekarski N. (1), Jeannot PY. (1), Fournon J.C. (4), Vial Y. (1), Meijboom E.J. (1)  
 University Hospital of Lausanne, Switzerland (1), University Hospital of Bern, Switzerland (2), University Hospital of Saint-Luc, Bruxelles, Belgium (3), Centre Hospitalier Universitaire de Sainte-Justine, Montreal, Canada (4)
- P-85 How to improve effectiveness of fetal supraventricular tachycardia treatment – auses of therapeutic failure**  
 Dangel J.H. (1), Hamela – Olkowska A. (1), Bieganowska K. (2)  
 Perinatal Cardiology Clinic 2nd Department of Obstetrics and Gynecology Medical University of Warsaw, Poland (1); Cardiology Department Children's Memorial Health Institute, Warsaw, Poland (2)
- P-86 Clinical Features, Management and Survival of Children with Fetal (F) and Postnatal (PN) Diagnosis of Common Truncus Arteriosus (TA): A Single Institution's Experience Since 1990**  
 Dillenburg R., Guerra V., Van Arsdell G., Jaeggi E.  
 The Hospital for Sick Children 555 University Ave Toronto, ON, Canada
- P-87 Redefining High Risk Referral Criteria in Fetal Cardiology**  
 McBrien A., Sands A., Craig B., Casey F.  
 The Royal Belfast Hospital for Sick Children, Belfast, Northern Ireland
- P-88 Prenatal brain pathology in congenital heart disease**  
 Maschke-Mlczoch E. (1), Brugger P. (2), Hanslik A. (1), Salzer-Muhar U. (1), Prayer D. (2)  
 (1) Clinical Department for Pediatric Cardiology, University Clinic for General Pediatrics and Neonatology, Medical University of Vienna, Austria (2) Clinical Department for Neuroradiology, University Clinic for Radiology, Medical University of Vienna, Austria
- P-89 Assessment of Diastolic Ventricular Function in Fetuses of Diabetic Mothers Using Tissue Doppler**  
 Zielinsky P., Hatem M.A.B., Hatem D.M., Nicoloso L.H., Manica J.L., Piccoli Jr A.L., Zanettini J., Oliveira V., Scarpa F., Petracco R.  
 Institute of Cardiology of Rio Grande do Sul / FUC. Porto Alegre, Brasil
- P-90 Prenatal Diagnosis Of Congenital Heart Defects: A 5-year UCL Experience**  
 Barrea C., Nimbona G., Sluysmans Th., Bernard P., Moniotte S.  
 Cliniques Universitaires Saint Luc, Brussels, Belgium

**Friday May 23, 2008**

- 08:00–09:00**      **WG Business Meetings**  
1. Congenital Heart Surgery  
2. Interventional Cardiology  
3. GUCH Task Force  
4. Psycho-Social Care from Fetus to Adult  
5. Genetics and Basic Science of Congenital Heart Disease
- 09:00–10:00**      **Symposium on left ventricular coordination and function  
(with the educational support of GE)**  
*Chairs: Joseph Vettukattil (Southampton, UK), Fredy Prada (Barcelona, ES)*  
**Strain and deformation imaging** – Giovanni Di Salvo (Naples, IT)  
**3-D echocardiography. Stereographic presentation of datasets** – Vit Razek (Leipzig, SE)  
**Evaluation of dyssynchrony: the role of new technology** – Jan Marek (London, UK)
- 09:00–10:00**      **PDA occlusion: a new low profile solution  
(with the educational support of AGA)**  
*Chairs: Andras Szatmari (Budapest, HU), Luigi Ballerini (Rome, IT)*  
**Preclinical evaluation, features and handling of the ADO II** –  
*Joseph De Giovanni (Birmingham, UK)*  
**Clinical experience and results with the new ADO II for PDA closure** –  
*Peter Ewert (Berlin, DE)*
- 10:00–11:30**      **Joint Session between ECHSA and AEPC-WG Interventional Cardiology  
The limits of intervention and surgery**  
*Chairs: Bohdan Maruszewsky (Warsaw, PL), Mark Gewillig (Leuven, BE)*  
**Secundum ASD**  
**Should we always close percutaneously?** – Felix Berger (Berlin, DE)  
**Surgical closure: what's new** – Dominique Metras (Marseille, FR),  
*Giovanni Stellin (Padua, IT)*  
**Critical aortic stenosis**  
**Percutaneous balloon valvuloplasty: mid-long term functional results.**  
**Multicentric Italian study** – Paolo Guccione (Rome, IT)  
**Surgical relief: mid and long term results** – Victor Hraska (St. Augustin, DE)  
**Coarctation of the aorta**  
**Percutaneous balloon angioplasty/stenting: mid and long term results** –  
*Grazyna Brzezinska-Rajszyz (Warsaw, PL)*  
**Surgical relief: mid and long term functional results** – Tjark Ebles (Groenigen, NL)
- 11:30–12:30**      **International multicentre paediatric cardiology trials: organisational aspects**  
*Chairs: Jörg Stein (Innsbruck, AT), Anton van Oort (Nijmegen, NL)*  
**The Paediatric Heart Network** – Ashwin Prakash (Boston, USA)  
**Industry driven trials in paediatric cardiology** – Stephen Pruett Sanders (Rome, IT)  
**Simulation techniques in drug development. Can they replace clinical trials?** –  
*Stephanie Laeer (Duesseldorf, DE)*  
**Paediatric research in the European Union** – Fergal Donnelly (Brussels, BE)
- 11:30–12:30**      **Visit of the exhibition**
- 11:30–12:30**      **Coffee break and Moderated Poster Walk Session**  
**Moderated poster walk (PW3)**  
*Chairs: Sandra Giusti (Massa, IT) Fernando Maymone-Martins (Carnaxide, PT)*  
**PW3-1 Antegrade Selective Cerebral Perfusion: adequate flow rate at deep  
hypothermia: an intravital-microscopy study on mini-piglets**  
*Ben Mime L. (1), Arnhold S. (2), Fischer J. (3), Addicks K. (2), Wahlers T. (1), Bennink G. (1)*  
*Departments of Cardiothoracic Surgery (1), Anatomy (2) and*  
*Experimental Medicine (3), University of Cologne, Germany*



- PW3-2 Early primary repair of Tetralogy of Fallot in neonates and infants less than four months of age**  
*Tamesberger M., Lechner E., Mair R., Hofer A., Sames-Dolzer E., Tulzer G. Children's Heart Centre Linz, Austria*
- PW3-3 Interventricular Dyssynchrony and RV Dysfunction in Adolescents and Adults with Tetralogy of Fallot (TOF) after Surgical Repair and Right Bundle-Branch Block – Evaluation with 2D-Strain-Imaging**  
*Müller M. (1), Hötzer K. (1), Rentzsch A. (1), Rädle-Hurst T. (1), Böttler P. (2), Stiller B. (2), Vogel M. (3), Vogt M. (3), Lemmer J. (4), Abdul-Khaliq H. (1) Department of Paediatric Cardiology, University Hospital Saarland, Homburg/Saar, Germany (1); University Hospital Freiburg, Germany (2); German Heart Institute Munich, Germany (3); German Heart Institute Berlin, Germany (4)*
- PW3-4 Pulse oximetry screening (POS) in newborns can reduce the diagnostic gap in critical congenital heart disease (cCHD) – First results of a prospective multicenter trial**  
*Riede F.T. (1), Dähnert I. (1), Wörner C. (1), Kostelka M. (2), Schneider P. (1) Department of Paediatric Cardiology (1), Department of Paediatric Cardiac Surgery (2), Heart Center, University of Leipzig, Germany*
- PW3-5 Maternal methylation status, ageing and the risk of congenital heart defects**  
*van Driel L.M.J.W. (1,2), de Jonge R. (3), Helbing W.A. (2), van Zelst B.D. (3), Ottenkamp J. (4), Steegers E.A.P. (1), Steegers-Theunissen R.P.M. (1,2,5,6) Departments of Obstetrics and Gynaecology/Division of Obstetrics and Prenatal Medicine, Erasmus MC, University Medical Centre, Rotterdam, the Netherlands (1), Paediatrics/Division of Paediatric Cardiology, Erasmus MC, University Medical Centre, Rotterdam, the Netherlands (2), Clinical Chemistry, Erasmus MC, University Medical Centre, Rotterdam, the Netherlands (3), Department of Paediatric Cardiology CAHAL-Centre for congenital Anomalies of the Heart Amsterdam/Leiden, Leiden University Medical Centre, Leiden, the Netherlands (4), Clinical Genetics, Erasmus MC, University Medical Centre, Rotterdam, the Netherlands (5), Epidemiology, Erasmus MC, University Medical Centre, Rotterdam, the Netherlands (6)*
- PW3-6 Effects of Long-Term Bosentan in Children with Pulmonary Arterial Hypertension**  
*Ivy D.D. (1), Barst R.J. (2), Doran A.K. (1), Lemarie J.-C. (3), Brand M. (4), Rosenberg D. (4), Rosenzweig E.B. (2) University of Colorado/Children's Hospital, Denver CO, United States (1); New York Presbyterian Hospital, New York NY, United States (2); Effi-stat, Paris, France (3); Actelion Pharmaceuticals Ltd, Allschwil, Switzerland (4)*
- PW3-7 Comparison of Six-minute Walk Test Distance and Cardiopulmonary Exercise Test Performance in Children with Pulmonary Hypertension**  
*Lammers A.E., Diller G.P. (2), Odendaal D. (1), Taylor S. (1), Derrick G. (1), Haworth S.G. (1) Great Ormond Street Hospital for Children, Pulmonary Hypertension Service for Children, London, UK (2) National Heart and Lung Institute, London, UK*
- PW3-8 Atrial Septal Defect with recent and severe pulmonary hypertension: evolution of pulmonary artery pressure and resistances after closure**  
*Petit J., Houyel L., Capderou A., Roussin R., Belli E., Serraf A. Marie Lannelongue Hospital, Le Plessis Robinson, France*
- PW3-9 Improvement in long-term survival but not in freedom from reoperations after the change from atrial to arterial switch for transposition of the great arteries**  
*Hörner J. (1), Cleuziou J. (1), Schreiber C. (1), Prodan Z. (1), Vogt M. (2), Holper K. (1), Lange R. (1) Department of Cardiovascular Surgery (1) and Department of Pediatric Cardiology and Congenital Heart Disease (2), German Heart Center Munich at the Technical University, Munich, Germany*
- PW3-10 Aerosolized Iloprost for Pulmonary Vasoreactivity Testing in Children with Long-Standing Pulmonary Hypertension Related to Congenital Heart Disease**  
*Limsuwam A., Wanichkul S., Khosithseth A., Khowsathit P. Division of Pediatric Cardiology, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand*

**Moderated poster walk (PW4)**

Chairs: Spyros Rammos (Athens, GR), Constancio Medrano Lopez (Madrid, ES)

- PW4-1 Safety and efficacy of intravenous amiodarone as therapy for early postoperative tachycardias in children after congenital heart surgery**  
Trip H. (1), Bokenkamp R. (1), Hogenbirk K. (2), Geukers V. (2), Clur S.A. (1), Hazekamp M.G. (3), Blom N.A. (1)  
Departments of Pediatric Cardiology (1) Pediatric Intensive Care (2), Cardiothoracic Surgery (3), Center for Congenital Heart Disease Amsterdam-Leiden, The Netherlands
- PW4-2 VT Ablation in Children – a Single Center Experience**  
Will J.C., Opgen-Rhein B., Franzbach B., Krings G., Berger F.  
Pediatric Cardiology, Charite University Hospital Berlin, Germany
- PW4-3 Identification and distribution of cardiac stem cells in the fetal human heart**  
Quaini F. (1), Graiani G. (1), Boni A. (1), Ferraro F. (1), Delucchi F. (1), Agnetti A. (1), Osmi S. (1), Giordano G. (2), Urbanek K. (3)  
Cardiac Stem Cell Center-University of Parma, Italy (1)  
Dept. of Pathology- University of Parma, Italy (2)  
Brigham & Women's Hospital, Harvard-Boston USA (3)
- PW4-4 Presence of PA to RV Regurgitation Minimally Affects Postoperative Hemodynamics of Norwood Procedure: A Theoretical Analysis with Valved RV-PA Conduit**  
Shimizu S. (1), Shishido T. (1), Kawada T. (1), Sano S. (2), Sugimachi M. (1)  
Department of Cardiovascular Dynamics, National Cardiovascular Center Research Institute, Osaka, Japan (1); Department of Cardiovascular Surgery, Okayama University Graduate School of Medicine, Dentistry and Pharmaceutical Sciences, Okayama, Japan (2)
- PW4-5 Single-centre experience of evaluation and treatment of 34 consecutive children with idiopathic pulmonary arterial hypertension (iPAH)**  
Zimmermann R., Ketelhodt G., Kreuder J., Schranz D.  
Pediatric Heart Center, University of Giessen, Germany
- PW4-6 Clinical Features, Etiology and Outcome of Fetal Cardiomyopathies (CM)**  
Weber R. (1), Kantor P. (2), Chitayat D. (3), Jaeggi E.T. (2)  
Department of Cardiology, University Children's Hospital, Zurich, Switzerland (1); Division of Cardiology, The Hospital for Sick Children, Toronto, Canada (2); Division of Clinical Genetics, The Hospital for Sick Children, Toronto, Canada (3)
- PW4-7 Premature fetal closure of the arterial duct may result in very different clinical presentations and outcome!**  
Gewillig M., De Catte L., Boshoff D.E., Van Schoubroeck D., Cossey V., Debeer A., Iwitters I., Devlieger R., Lewi L., Delhaas T, Mertens L., Eyskens B.  
Fetal & Pediatric Cardiology, Neonatology, Leuven, Belgium
- PW4-8 Fetal Diagnosis of Congenital Heart Disease by Telemedicine**  
McCrossan B.A., Sands A.J. & Casey F.A.  
Department of Paediatric Cardiology, Royal Belfast Hospital for Sick Children, UK
- PW4-9 Developmental outcome after three stage palliation for hypoplastic left heart syndrome: comparison with and without deep hypothermic circulatory arrest**  
Furck A.K., Schulze V., Drabkin A., Geiger F., Scheewe J., Kramer H.H.  
Children Heart Center University of Schleswig-Holstein, Campus Kiel, Kiel, Germany
- PW4-10 Exercise Capacity Relates to the c.46A>G Genomic Polymorphism of the Beta2-Adrenoreceptor in Patients after Coarctation Repair**  
Bildau J. (1), Hager A. (2), Kreuder J. (1), Kaemmerer H. (2), Hess J. (2)  
(1) Department of Pediatric Cardiology, Justus-Liebig-Universität, Giessen, Germany  
(2) Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technische Universität München, Germany

12:30–13:15

**State of the Art: Joint Session of AEPC and ECHSA**

Chairs: Aldo R. Castaneda (Guatemala City, GT), Shakeel Qureshi (London, UK)

**Recent progress in the treatment of complex TGA: what surgery can offer nowadays – Emile Bacha (Boston, USA)**

**Functional follow up of complex transposition – John Hess (Munich, DE)**

- 13:15–14:00** **Visit of the exhibition and posters and lunch**
- 13:15–14:00** **“Meet the Industries” lunch**
- 14:00–14:40** **ASD and PFO device closure: tips and tricks (with the educational support of GORE)**  
*Chairs: Martin Schneider (St. Augustin, DE), Gianfranco Butera (Milan, IT)*
- Which atrial septal anatomy for which device – Andrew Cook (London, UK)**  
**Controversial situations for PFO closure – Oliver Ormerod (Oxford, UK)**
- 14:40–16:10** **Scientific Session of the WG Genetics and Basic Science**  
**Genes and the right ventricle**  
*Chairs: Gregor Andelfinger (Montreal, CA), Ingrid Frohn-Mulder (Rotterdam, NL)*
- Basic science of RV function – Beatris Bartelds (Groeningen, NL)**  
**Genetics of RV cardiomyopathy – Alessandra Rampazzo (Padua, IT)**  
**New roles of pulmonary vasodilators in the management of CHD – Rolf Berger (Groeningen, NL)**  
**Genetics of the CHD: what’s new – Bruno Marino (Rome, IT)**
- 14:40–16:10** **Scientific Session of the WG Psycho-Social Care**  
**The struggle for equality**  
*Chairs: Antonio Corno (Liverpool, UK), Ulrike Salzer-Muhar (Vienna, AT)*
- Are children with CHD given an equal opportunity in the real world? – Hemine Nock (German Parents Umbrella Organization, Aachen, DE)**  
**Ethical dilemmas in the treatment of children with CHD and major comorbidity – Frank Casey (Belfast, IE)**  
**“Lost in translation”. Providing care in a multicultural society – Ulrike Salzer-Muhar (Vienna, AT)**  
**Humanitarian projects: responsibility, difficulties and potential benefits – Aldo R Castaneda (Guatemala City, GT)**
- 14:40–16:10** **Abstract Session 6 – Intervention**  
*Chairs: Caroline Ovaert (Brussels, BE), Gudrun Bjorkhem (Lund, SE)*
- O6-1 Closure of atrial septal defects with the Solysafe occluder**  
*Daehnert I. (2), Djukić M. (1), Parezanović V. (1), Vukomanović G. (1), Ilisić T. (1), Stefanović I. (1), Bernhard J. (3), Jovanović I. (1)*  
*University Childrens Hospital, Belgrade, Serbia (1); Herzzentrum, University of Leipzig, Germany (2); CARAG AG Medical technology, Baar, Switzerland (3)*
- O6-2 Dilatable pulmonary artery band in low-weight or complex congenital heart disease neonates allows to avoid or postpone subsequent surgery**  
*Gewillig M., Rega F., Boshoff D.E., Eyskens B., Mertens L., Delhaas T., Meyns B.*  
*Paediatric Cardiology & Cardiac Surgery, University Hospitals Leuven, Belgium*
- O6-3 Long term (up to 19 years) results of balloon valvuloplasty of critical neonatal aortic stenosis**  
*Reich O. (1,2), Tax P. (1), Tomek V. (1), Gilík J. (1), Škovránek J. (1,2), Chaloupecký V. (1)*  
*Kardiocentrum and Cardiovascular Research Centre, University Hospital Motol (1); Department of Paediatrics, 2nd Medical School, Charles University (2), Prague, Czech Republic*
- O6-4 Hybrid Closure of Muscular Ventricular Septal Defects in Children; Initial Experience**  
*Thanopoulos B.D., Kourtesis A., Paphitis Ch., Eleftherakis N., Azariadis G., “Aghia Sophia” Children’s Hospital, Athens, Greece*
- O6-5 Single-Centre Experience Of Stenting The Ductus Arteriosus Using Three Different Types Of Stents**  
*Tzifa A., Tsapakis E., Rosenthal E., Qureshi SA.*  
*Evelina Children’s Hospital, London, UK*
- O6-6 Catheter Closure of Fontan Fenestrations – A Caution**  
*Stumper O., Bhole V., Ofoe V., deGiovanni J.G., Miller P.A., Dhillon R., Wright J.G.C.*  
*The Heart Unit, Birmingham Children’s Hospital – NHS Foundation Trust, Birmingham, UK*



14:40–16:10

**Abstract Session 7 – GUCH and outcomes**

*Chairs: Andreas Eicken (Munich, DE), Jean Benoit Thambo (Bordeaux, FR)*

- 07-1 Contraception and contraceptive counselling for women with congenital cardiac disease – still an unresolved problem?**  
*Kaemmerer H. (1), Vigil M. (2), Bauer U. (2), Niggemeyer E. (2), Nagdyman N. (3), Rattenhuber J. (4), Trigas V. (1), Kaemmerer M. (1), Seifert-Klauss V. (4), Schneider K.T.M. (4), Hess J. (1), Berger F. (3)*  
*Deutsches Herzzentrum München, Munich, Germany (1)*  
*Competence Network Congenital Heart Defects, Berlin, Germany (2)*  
*Deutsches Herzzentrum Berlin, Berlin, Germany (3)*  
*Frauenklinik der Technischen Universität München, Munich, Germany (4)*
- 07-2 Pregnancy After Atrial Switch Operation For Transposition Of The Great Arteries**  
*Trigas V. (1), Bauer U. (2), Oechslin E. (3), Nagdyman N. (2), Rattenhuber J. (4), Seifert-Klauss V. (4), Schneider K.T.M. (4)*  
*1Deutsches Herzzentrum München, 2Deutsches Herzzentrum Berlin, 3Universitätsspital Zürich, 4Frauenklinik der Technischen Universität München (4), Stern (1), Berger F. (2), Hess J. (1), Kaemmerer H. (1)*  
*Deutsches Herzzentrum München (1), Deutsches Herzzentrum Berlin (2), Universitätsspital Zürich (3), Frauenklinik der Technischen Universität München (4)*
- 07-3 Pulmonary Artery Growth and Pressure late after Fontan Operation**  
*Ovrutskiy S., Ewert P., Alexi-Meskishvili V., Hölscher K., Miera O., Peters B., Hetzer R., Berger F.*  
*German Heart Institution Berlin, Germany*
- 07-4 Modifications of cardiopulmonary capacity are not associated with changes in quality of life in patients with congenital heart disease**  
*Ehlert N., Hess J., Hager A.*  
*Department of Paediatric Cardiology and Congenital Heart Disease, Deutsches Herzzentrum München, Technical University Munich, Germany*
- 07-5 The awareness of illness and quality of life in adolescents after corrective surgery for congenital heart disease**  
*Maryniak A., Ziolkowska L., Ondruch A., Bielawska A., Kawalec W.*  
*The Children's Memorial Health Institute, Warsaw, Poland*
- 07-6 Long term follow up of adolescents and adults (GUCH) after modified Fontan operation**  
*Ovrutskiy S., Ewert P., Miera O., Alexi-Meskishvili V., Peters B., Hetzer R., Berger F.*  
*German Heart Institute Berlin, Berlin, Germany*

16:10–16:30

**Coffee break and exhibition**

16:30–18:00

**Abstract Session 8 – General Cardiology**

*Chairs: Johanna Dangel (Warsaw, PL), Giovanni Stellin (Padua, IT)*

- 08-1 Prevalence of Congenital Heart Disease (CHD) in Newborns in Germany: Preliminary Data of the PAN Study**  
*Lindinger A. (1), Schwedler G. (2), Olchvary J. (1), Hense H.W. (3)*  
*Clinic of Pediatric Cardiology, University of the Saarland, Homburg, Germany (1); Competence Network of Congenital Heart Defects (2); Institute of Epidemiology & Social Medicine, University Muenster (3)*
- 08-2 Mid term outcome of patients with pulmonary atresia, ventricular septal defect, pulmonary arteries hypoplasia and major aortopulmonary collaterals after a combined multistage strategy of anatomical repair**  
*Dragulescu A., Ghez O., Kreitmair B., Chetaille P., Metras D., Fraise A.*  
*Timone Children's Hospital, Marseille, France*
- 08-3 Diagnostic Accuracy and Clinical Relevance of BNP Assay in Pediatric Patients with Congenital Heart Disease**  
*Cantinotti M., Vittorini S., Storti S., Prontera C, Vellani A., Ait Ali L., De Lucia V.*  
*G. Monasterio Foundation and Institute of Clinical Physiology-National Research Council, „G. Pasquinucci“ Hospital, Massa, Italy*
- 08-4 Identification of high-risk patients among children with hypertrophic cardiomyopathy**  
*Ziolkowska L., Kawalec W., Turska-Kmiec A., Pregowska K., Boruc A., Kowalczyk M.*  
*The Children's Memorial Health Institute, Warsaw, Poland*

- 08-5 Effect on quality of life and other subjective parameters of a novel formulation of bosentan in children with pulmonary arterial hypertension: FUTURE-1 study**  
 Berger R.M.F. (1), Beghetti M. (2), Barst R.J. (3), Jais X. (4), Acar P. (5), Fraisse A. (6), Ivy D. (7), Schulze-Neick I. (8), Bonnet D. (9), Galie N. (10), Haworth S.G. (8)  
 Beatrix Children's Hospital, Groningen, The Netherlands (1); University Hospital of Geneva, Geneva, Switzerland (2); New York Presbyterian Hospital, New York NY, United States (3); Hôpital Antoine-Béclère, Clamart, France (4); Hôpital des Enfants, Toulouse, France (5); Hôpital de la Timone, Marseille, France (6); University of Colorado/Children's Hospital, Denver CO, United States (7); Great Ormond Street Hospital for Sick Children, London, UK (8); Necker Hospital for Sick Children, Paris, France (9); University of Bologna, Bologna, Italy (10)
- 08-6 Increased risk for congenital heart defects after periconception exposure to medicines and low dietary nicotinamide in nicotinamide N-methyltransferase polymorphism carriers**  
 van Driel L.M.J.W. (1,2), Smedts H.P.M. (1), Helbing W.A. (2), Isaacs A. (3), Lindemans J. (4), Uitterlinden A.G. (4,5,6), van Duijn C.M. (6), de Vries J.H.M. (7), Steegers E.A.P. (1), Steegers-Theunissen R.P.M. (1,2,3,6)  
 Obstetrics and Gynaecology/Division of Obstetrics and Prenatal Medicine, Erasmus Medical Centre, Rotterdam, the Netherlands (1); Paediatric Cardiology, Erasmus Medical Centre, Rotterdam, the Netherlands (2); Clinical Genetics, Erasmus Medical Centre, Rotterdam, the Netherlands (3); Clinical Chemistry, Erasmus Medical Centre, Rotterdam, the Netherlands (4); Internal Medicine, Erasmus Medical Centre, Rotterdam, the Netherlands (5); Epidemiology, Erasmus Medical Centre, Rotterdam, the Netherlands (6); Human Nutrition, Wageningen University, Wageningen, the Netherlands (7)

**16:30–18:00 Abstract Session 9 – Basic Science**

Chairs: Jean-Pierre Pfammatter (Berne, CH), Daniel de Wolf (Gent, BE)

- 09-1 FoxO3 mediates hU-IL-induced MMP-2 expression in pulmonary artery smooth muscle cells: Potential role in pulmonary hypertension**  
 Diebold I., Petry A., Burger M., Hess J., Görlach A.  
 Experimental Pediatric Cardiology, Dept. of Pediatric Cardiology and Congenital Heart Diseases, German Heart Center Munich at the TU Munich, Munich, Germany
- 09-2 Urotensin-II activates Rac-1 and ROS production in pulmonary artery smooth muscle cells involving Gai3 proteins**  
 Diebold I., Petry A., Schäfer N., Hess J., Görlach A.  
 Experimental Pediatric Cardiology, Dept. of Pediatric Cardiology and Congenital Heart Diseases, German Heart Center Munich at the TU Munich, Germany
- 09-3 Characterisation of circulating multipotent progenitor cells during postnatal human development**  
 Rupp S. (1), Koyanagi M. (2), Iwasaki M. (2), Trauth J. (1), Schütz C. (2), Bushoven P. (2), Schranz D. (1), Zeiher AM. (2), Dimmeler S. (2)  
 Pediatric Heart Center, University of Giessen and Marburg, Giessen, Germany (1)  
 Department of Molecular Cardiology, Internal Medicine III, J.W. Goethe University, Frankfurt, Germany (2)
- 09-4 Clinically benign LQTS founder mutation in the Swedish population**  
 Winbo A. (1), Stattin E.L. (2), Jensen S.M. (3), Diamant U.B. (3), Rydberg A. (1)  
 Department of Clinical Sciences(1), Division of Medical and Clinical Genetics, Department of Medical Biosciences (2), Department of Cardiology, Heart Centre (3), Umeå University Hospital, Umeå, Sweden
- 09-5 Development of an adjustable device for transcatheter pulmonary artery banding: evaluation in animals**  
 Boudjemline Y.  
 Necker For Sick Children Hospital, Paris, France
- 09-6 Accessory atrioventricular pathways in normal mouse heart development, possible explanation for perinatal atrioventricular reentrant tachycardias**  
 Hahurij N.D. (1), Kolditz D.P. (2), Bökenkamp R. (1), Markwald R.R. (3), Schalij M.J. (2), Poelmann R.E. (4), Gittenberger-de Groot A.C. (4), Blom N.A. (1)  
 Department of Pediatric Cardiology, Leiden University Medical Center, Leiden, The Netherlands (1); Department of Cardiology, Leiden University Medical Center, Leiden, The Netherlands (2); Department of Cell Biology and Anatomy, Medical

University of South Carolina, South Carolina, USA (3); Department of Anatomy and Embryology, Leiden University Medical Center, Leiden, The Netherlands (4)

16:30–18:00

**Abstract Session 10 – End stage heart and lung disease**

Chairs: Sally-Ann Clur (Abcoude, NL), Jonathan Parsons (Leeds, UK)

- O10-1 N-terminal-pro Brain Natriuretic Peptide Correlates with Treatment Effects of Bosentan Therapy in Eisenmenger Patients – First Results of the German Competence Network for Congenital Heart Disease**  
Farahwaschy B. (1), Mebus S. (2), Berger F. (1), Lange P.E. (3), Schulze-Neick I. (4)  
Department of Congenital Heart Defects and Pediatric Cardiology, German Heart Institute Berlin, Germany (1); Department of Paediatric Cardiology and Congenital Heart Defects, German Heart Centre Munich, Germany (2); Competence Network for Congenital Heart Disease, Germany (3); Pulmonary Hypertension Team, Cardiac Unit, Great Ormond Street Hospital for Sick Children, London, Great Britain (4)
- O10-2 Clinical and Exercise Effects of a 24 week bosentan treatment of 60 Patients with Eisenmenger's (EM) Physiology – First Results of the German Competence Network for Congenital Heart Disease**  
Mebus S. (1), Farahwaschy B. (2), Lunze K. (2), Gilbert N. (2), von Bismarck I. (2), Peters B. (3), Berger, F. (2) Lange P.E. (4), Schulze-Neick I. (5)  
Department of Paediatric Cardiology and Congenital Heart Defects, German Heart Centre Munich, Germany (1); Department of Congenital Heart Defects and Pediatric Cardiology, German Heart Centre Berlin, Germany (2); Department for biometry and medical informatics, University Magdeburg, Germany (3); Competence Network for Congenital Heart Disease, Germany (4); Pulmonary Hypertension Team, Cardiac Unit, Great Ormond Street Hospital for Sick Children, London, Great Britain (5)
- O10-3 Prenatal versus Postnatal Diagnosis of Significant Congenital Heart Disease in the Current Era**  
Andrews R.E., Jones A.M.R., Callaghan N., Miller O.I., Simpson J.M., Sharland G.K. Evelina Children's Hospital, Guy's and St Thomas' NHS Foundation Trust, London, UK
- O10-4 Dilated Cardiomyopathy (DCM) in Children: novel strategies for improving outcome**  
Schranz D., Rupp S., Reinsch H-L., ElMakfi N., Michel-Behnke I., Kreuder J., Thul J., Müller M. Bauer J., Valeske K., Akintuerk H.  
Pediatric Heart Center JLU Giessen, Germany
- O10-5 Acute rejection after pediatric heart transplantation in the current era: Far less common, but still a serious problem**  
Lammers A.E. (1), Roberts P. (1), Brown K. (2), Rees P. (1), Kostolny M. (3), Sebire N. (4), Burch M. (1)  
(1) Paediatric Cardiology, (2) Paediatric Cardiac Critical Care, (3) Department of Surgery, (4) Department of Pathology, Great Ormond Street Hospital for Children, London, UK
- O10-6 Time-scale for Recovery of Heart Function in Children with Acute Severe Heart Failure**  
Roche S.L., Crossland D.S, Chaudhari M.P, Kirk R., Hasan A., O'Sullivan J.J.  
Freeman Hospital, Newcastle upon Tyne, United Kingdom

08:30–18:00

**Simulator Workstation Organised by AGA Medical**

08:30–18:00

**MRI for the General Paediatric Cardiologist. A Workshop Organised by the Imaging Working Group with the Support of GE Healthcare**

09:00–17:30

**Posters**

- P-91 Myocardial Tissue Doppler in the Evaluation of Diastolic Function in Fetuses With Intrauterine Growth Restriction**  
Naujorks A., Zielinsky P., Beltrame P.A., Castagna R., Petracco R., Busato A., Nicoloso L.H., Piccoli Jr A.L., Manica J.L.  
Institute of Cardiology of Rio Grande do Sul / FUC. Porto Alegre, Brazil
- P-92 Behavior of Left Atrium Shortening Fraction in Fetuses of Diabetic Mothers with and Without Myocardial Hypertrophy**  
Zielinsky P., Luchese S., Manica J.L., Piccoli Jr A.L., Nicoloso L.H., Leite M.F., Hagemann L., Busato A., Moraes M.R.  
Institute of Cardiology of Rio Grande do Sul / FUC. Porto Alegre, Brasil

- P-93 Aberrant right subclavian artery in the fetus**  
 Zidere V., Borenstein M., Nicolaides K.H., Allan L.D.  
 Harris Birthright Research Centre for Fetal Medicine  
 King's College Hospital, London, UK
- P-94 Myocardial performance in fetuses with twin-to-twin transfusion (TTTS) syndrome – serial follow up**  
 Herberg U. (1), Bürücüoğlu T. (1), Kotzmann J. (1), Gembruch U. (2), Breuer J. (1), Kohl T. (2)  
 Pediatric Cardiology (1); Prenatal Medicine (2) of the University of Bonn, Germany
- P-95 Classification of foetuses with congenital heart disease (CHD) using a newly developed prenatal Medical-Aristotle-Personal and eXtracardiac score (P-MAP-X-Score) of complexity- and impairment**  
 Freund M.W. (1), Pistorius L. (2), Heide H. ter (1), Stoutenbeek P. (2), Strengers J. (1)  
 Department of Pediatric Cardiology (1), Department of Obstetrics (2). Wilhelmina Children's Hospital/University Medical Center, Utrecht, The Netherlands
- P-96 Normal values of isovolumetric contraction and relaxation time in fetus**  
 Dangel J. (1), Hamela -Olkowska A. (2)  
 Perinatal cardiology Clinic 2nd Department of Obstetrics and Gynecology Medical University of Warsaw
- P-97 Frequency of and causes of ventricular disproportion in fetal echocardiograms**  
 Clur S.A. (1,2), Ottenkamp J. (1,2), Bilardo C.M. (3)  
 Department of Pediatric Cardiology Emma Children's Hospital Academic Medical Centre, Amsterdam, The Netherlands (1), Center of Congenital Heart Disease Amsterdam-Leiden, The Netherlands (2), Department of Obstetrics and Gynaecology Academic Medical Centre, Amsterdam, The Netherlands (3)
- P-98 Longterm results and prognosis after surgical treatment of valvular aortic stenosis in children – a population based study**  
 Mattila I.P., Nieminen H.P., Sairanen H.I.  
 Department of thoracic and cardiovascular surgery  
 Hospital for Children and Adolescent  
 Helsinki University Central Hospital, Helsinki, Finland
- P-99 Structural Abnormalities of Pulmonary Trunk in Tetralogy of Fallot**  
 Bedard E., McCarthy K.P., Gatzoulis M.A., Ho S.Y.  
 Royal Brompton Hospital, London, UK
- P-100 Coagulation parameters and platelet function in whole blood samples of adults with cyanotic congenital cardiac disease**  
 Braun S., Mebus S., Eicken A., Hager A., Hess J., Kaemmerer H.  
 Deutsches Herzzentrum München
- P-101 Infective endocarditis in adults with congenital heart disease**  
 Di Filippo S., Ninet J., Sassolas F., Henaine R., Ducreux C., Ruffin C., Bozio A.  
 Hôpital Cardiologique, Pediatric Cardiology, Lyon, France
- P-102 Haemostatic Capacity of Eisenmengeris syndrom examined by ThrombelastographyÆ**  
 Jensen A.S. [2], Stensballe J. [1], Johansson P.I. [1], Sondergaard L. [2]  
 Department of Clinical Immunology [1], Department of cardiology [2], Rigshospitalet, Copenhagen University Hospital, Denmark
- P-103 Morbidity after pediatric cardiac surgery assessed with usage of medicines**  
 A population-based registry study  
 Nieminen H.P. (1), Sairanen H.I. (1), Jokinen E.V. (2)  
 (1) Department of Surgery and (2) Cardiology, Hospital for Children and Adolescents, Helsinki University Central Hospital, Helsinki, Finland
- P-104 Exercise capacity in young people long term after surgical correction of d-transposition of great arteries by Senning atrial switch**  
 Pietrucha A. Z. (1), Pietrucha B.J. (2), Gackowski A. (1), El-Massri N. (1), Mroczek – Czernecka D. (1), Rudzinski A. (2), Piwowarska W. (1)  
 Medical School of Jagiellonian Univers Coronary Disease Department Cracow Poland (1), Children Cardiology Department University Children Hospital CM UJ Cracow Poland (2)



- P-105 Benefit of beta-blockers on systemic ventricle function and exercise capacity in patients with systemic right ventricle or single ventricle**  
Godart F. (1), Defrance C. (1), Lions C. (2), Hossein-Foucher C. (3), Francart C. (1), Delhay C. (1), Rey C. (1)  
1 – Paediatric Cardiology, Lille, France  
2 – Radiology - Lille, France  
3 – Nuclear Department, Lille, France
- P-106 Long-term cardiopulmonary exercise capacity after Fontan operation**  
Ovrutskiy S., Hauberg I., Ewert P., Miera O., Alexi-Meskishvili V., Peters B, Hetzer R., Berger F.  
German Heart Institute Berlin, Germany
- P-107 Rate responsive pacing does not improve right ventricular hemodynamics nor exercise capacity in adults with a systemic right ventricle**  
Uebing A. (1,2), Diller G.P. (1), Li W. (1), Maskell M. (1), Gatzoulis M.A. (1)  
(1) Adult Congenital Heart Centre and Centre for Pulmonary Hypertension, Royal Brompton Hospital and the National Heart and Lung Institute at Imperial College, London, United Kingdom; (2) Department of Paediatric Cardiology, University Hospital of Schleswig-Holstein, Campus Kiel, Kiel, Germany.
- P-108 Ebstein's anomaly: modified reconstruction of tricuspid valve without ventricle plication and further developments**  
Nagdyman N. (1), Hetzer R. (2), Ewert P. (1), Komoda T. (2), Berger F. (1)  
Department of Congenital Heart Defects and Pediatric Cardiology (1); Department of Cardiothoracic and Vascular Surgery (2); Deutsches Herzzentrum Berlin, Germany
- P-109 Therapeutic management for hypertension and improvement of exercise tolerance in patients after surgical repair of coarctation of the aorta**  
Giordano U. (1), Giannico S. (2), Cifra B. (3), Meta R. (3), Turchetta A. (1), Calzolari A. (1)  
(1) Cardiorespiratory and Sports Medicine Unit, Department of Pediatrics – Bambino Gesù Children's Hospital; Rome, Italy  
(2) Department of Cardiology, Bambino Gesù Children's Hospital; Rome, Italy  
(3) Tor Vergata University - Rome, Italy
- P-110 Prospective follow-up study of children with Univentricular heart: Neurodevelopmental outcome at age 12 months**  
Sarajuuri A. (1), Lönnqvist T. (1), Mildh L. (2), Rajantie I. (1), Eronen M. (3), Mattila I. (4), Jokinen E. (3)  
Division of Neurology (1), Anesthesiology and Intensive Care Medicine (2), Paediatric Cardiology (3) and Surgery (4), Department of Paediatric and Adolescent Medicine, Helsinki University Central Hospital, Helsinki, Finland
- P-111 Plasma levels of B-type natriuretic peptide after surgical repair of tetralogy of Fallot**  
Koch A., Zink S., Glöckler M., Dittrich S.  
Paediatric Cardiology, Hospital for Children and Adolescents, University of Erlangen-Nürnberg, Germany  
*Evaluation of Right Ventricular Functions and It's Relation with Pulmonary Regurgitation and B-type Natriuretic Peptide Levels by Using Tissue Doppler Imaging in Patients After Repair of Tetralogy of Fallot*
- P-112 Evaluation of Right Ventricular Functions and It's Relation with Pulmonary Regurgitation and B-type Natriuretic Peptide Levels by Using Tissue Doppler Imaging in Patients After Repair of Tetralogy of Fallot**  
Çetin İ. (1), Tokel K. (1), Varan B. (1), Örün U.A. (1), Gökdemir M. (1), Cındık N. (1), Aşlamacı S. (2)  
Baskent University, Pediatric Cardiology, Ankara, Turkey (1); Baskent University, Cardiovascular Surgery, Ankara, Turkey (2)
- P-113 Left ventricular hypertrophy and arterial hypertension after successful aortic coarctation repair in pediatric age: results from a 12-year follow-up**  
Bocelli A., Favilli S., Pollini I., Bini R.M.  
Pediatric Cardiology Unit, A. Meyer Hospital, Firenze, Italy.
- P-114 The mid-term follow-up and ongoing morbidity during childhood and adolescence in surviving premature neonates with a prior patent ductus arteriosus**  
Dodge-Khatami A. (1), Tschuppert S. (1), Doell C. (1), Latal B. (2), Valsangiacomo Buechel E. (1), Bauersfeld U. (1), Prêtre R. (1)  
University Children's Hospital (1), Child Development Center (2), Zurich, Switzerland

- P-115 Renal function in patients with Eisenmengers Syndrome**  
 Jensen A.S. [2], Recke P.V.D. [1], Sondergaard L. [2]  
 Department of Radiology [1], Department of Cardiology [2],  
 Rigshospitalet, Copenhagen University Hospital, Denmark
- P-116 Limited Exercise Capacity After Coarctation Repair Even With Optimal Surgical Results**  
 Hager A., Kanz S., Kaemmerer H., Hess J.  
 Department of Pediatric Cardiology and Congenital Heart Disease, Deutsches  
 Herzzentrum München, Technische Universität München, Germany
- P-117 Fetal outcome in women with heart disease – a UK single centre experience at University College London Hospitals NHS Trust**  
 Brooks R. (1), von Klempener K. (1), Abdin S. (2), Peebles D. (2),  
 O'Brien P. (2), Walker F. (1)  
 The Heart Hospital, UCLH, London, UK (1)  
 Elizabeth Garret Anderson Hospital, UCLH, London, UK (2)
- P-118 Biological valve replacement and pregnancy – is there a concern?**  
 Cleuziou J. (1), Teodorowicz A. (1), Hörer J. (1), Prodan Z (1),  
 Kaemmerer H. (2), Vogt M. (2), Schreiber C. (1), Lange R. (1)  
 Department of Cardiovascular Surgery (1) and Department of Paediatric  
 Cardiology and Congenital Heart Disease (2), German Heart  
 Centre Munich at the Technical University
- P-119 Evaluation of right heart failure in grown up patients after correction of congenital heart disease**  
 Lemmer J. (1), Heise G. (1), Peters B. (3), Rentzsch A. (4), Boettler P. (2), Kuehne T. (1),  
 Dubowy K.O. (5), Hager A. (6), Stiller B. (1,2) Supported by Competence Network  
 for Congenital Heart Defects founded by the Federal Ministry of  
 Education and Research (BMBF), FKZ 01G10210  
 German Heart Institute, Berlin, Germany (1), Albert-Ludwigs-University Freiburg,  
 Germany (2), Otto-v-Guericke-University Magdeburg, Germany (3),  
 Universität des Saarlandes. Homburg/Saar, Germany (4), Heart and  
 Diabetes Center North Rhine-Westphalia, Bad Oeynhausen, Germany (5),  
 German Heart Centre, Munich, Germany (6)
- P-120 Intermediate-term follow-up after end-to-end anastomosis for coarctation of the aorta – one center experience**  
 Jagiellowicz D. (1), Kawalec W. (1), Brzezinska-Rajszyz G. (2), Niemirska A. (3),  
 Turska-Kmiec A. (1)  
 The Children's Memorial Health Institute, Warsaw, PolandCardiology Clinic  
 (1), Heart Catheterization Laboratory (2), Nephrology Clinic (3)
- P-121 Transcatheter therapy of aortic coarctation has widely displaced surgery**  
 Ewert P., Moysich A., Peters B., Kühne T., Ovroutsky S., Miera O.,  
 Nagdyman N., Berger F.  
 Department of Congenital Heart Diseases/Pediatric Cardiology,  
 German Heart Institute Berlin, Berlin, Germany
- P-122 Are adolescent and adult patients adequate informed about their congenital heart disease?**  
 Toussaint-Götz.N. (1), Vahsen N. (1), Kaestner M. (1), Muentjes C. (2), Neudorf U. (2),  
 Schneider M. (1)  
 German Pediatric Heart Center, Departement of Pediatric Cardiology ,Sankt Augustin (1)  
 Departement of Pediatric Cardiology , University Essen (2), Germany
- P-123 Predictors of late outcome after surgery for congenital heart disease in the adult population**  
 Padalino M.A. (1), Cogo P.E. (2), Speggorin S. (1), Vida V.L. (1),  
 Maschietto N. (2), Reffo E. (2), Daliento L. (3), Stellin G. (1)  
 (1) Pediatric and Congenital Cardiac Surgery Unit, University of Padua, Medical  
 School, Italy, (2) Departments of Pediatrics, University of Padua, Medical School,  
 Italy, (3) Department of Cardiology, University of Padua, Medical School, Italy
- P-124 Sexuality and reproductive health related problems in women with congenital cardiac disease**  
 Vigl M. (1), Bauer U. (1), Niggemeyer E. (1), Nagdyman N. (2), Rattenhuber  
 J. (3), Trigas V. (4), Kaemmerer M. (4), Seifert-Klauss V. (3), Schneider  
 K.T.M. (3), Berger F. (2), Hess J. (4), Kaemmerer H. (4)

- Competence Network Congenital Heart Defects, Berlin, Germany (1)  
Deutsches Herzzentrum Berlin, Berlin, Germany (2)  
Frauenklinik der Technischen Universität München, Munich, Germany (3)  
Deutsches Herzzentrum München, Munich, Germany
- P-125 Coronary anatomy in patients with transposition of great arteries and Mustard procedure: a study with 64 multislice computed tomography**  
Marcora S. (1), Di Renzi P. (2), Bellelli A. (2), Pierleoni M. (2), Mancini P. (2), Giannico S. (1), Sanders S.P. (1)  
Bambino Gesù Paediatric Hospital, Rome, Italy (1); Fatebenefratelli Isola Tiberina Hospital, Rome, Italy (2)
- P-126 Right Ventricular Dilatation Index: An Echocardiographic Index to Evaluate The Both Systolic and Diastolic Right Ventricular Functions in Patients After Repair of Tetralogy of Fallot**  
Çetin İ., Örün U.A., Varan B., Gökdemir M., Cındık N., Tokel K.  
Baskent University, Pediatric Cardiology, Ankara, Turkey
- P-127 Restrictive Right Ventricle Improves Right Ventricular Function in Patients with Pulmonary Regurgitation after Tetralogy of Fallot Repair**  
Dewayani R., Harimurti G.M., Roebiono P.S., Rahayoe A.U., Atmosudigdo I.S.  
Department of Cardiology and Vascular Medicine, Faculty of Medicine, University of Indonesia/National Cardiac Center Harapan Kita, Jakarta, Indonesia
- P-128 Surgical reconstruction of congenital mitral valve dysplasia: a Tissue Doppler Imaging study in long-term follow-up**  
Biffanti R., Varotto E., Reffo E., Maschietto N., \*Stellin G., \*Padalino M., \*Vida V., Milanesi O.  
Department of Paediatrics and \*Pediatric Cardiovascular Surgery Unit, University of Padua-Medical School, Italy
- P-129 Coronary artery bypass in GUCH patients**  
Nagydyman N. (1), Ewert P. (1), Hetzer R. (2), Berger F. (1)  
Department of Congenital Heart Defects and Pediatric Cardiology (1); Department of Cardiothoracic and Vascular Surgery (2); Deutsches Herzzentrum Berlin, Germany
- P-130 Evaluation of Right Ventricular Functions and B-type Natriuretic Peptide Levels by Cardiopulmonary Exercise Test in Patients with Pulmonary Regurgitation After Repair of Tetralogy of Fallot**  
Çetin İ. (1), Tokel K. (1), Varan B. (1), Örün U.A. (1), Gökdemir M. (1), Cındık N. (1), Eyüboğlu F. (2), Ulubay G. (2), Aşlamacı S. (3)  
Baskent University, Pediatric Cardiology, Ankara, Turkey (1); Baskent University, Chest Diseases, Ankara, Turkey (2); Baskent University, Cardiovascular Surgery, Ankara, Turkey (3)
- P-131 Psychological and health factors affecting disease perception in Adults with Congenital Heart Defects**  
Callus E. (1), Quadri E. (1), Negura D. (1), Butera G. (1), Fesslova V. (1), Zerbetto R. (2), Carminati M. (1), Chessa M. (1)  
IRCCS-Policlinico San Donato, San Donato M.se, Milan, Italy (1)  
Centro Studi di Terapia della Gestalt, Milan, Italy (2)
- P-132 Myocardial blood flow and viability in children with transposition of the great arteries after arterial switch operation assessed with high field MRI**  
Rickers C. (1), Voges I. (1), Jerosch-Herold M. (2), Hart C. (1), Hansen T. (1), Helle M. (1), Heiner Kramer H. (1)  
University Hospital Kiel, Dept. Ped. Card., Germany (1); Harvard University, Brigham and Womens Hospital, Boston, USA (2)
- P-133 Novel Global Strain and Strain Rates Indices are Independent of Angle of Insonation**  
Golender J., Perles Z., Gavri S., El-Laham N., Ibrahim S., Ta-Shma A., Kashani H., Rein AJJT.  
Pediatric Cardiology Unit, Hadassah Hebrew University Medical Center, Jerusalem, Israel
- P-134 Right ventricle adaptation to chronic systemic afterload: a MRI study**  
Ladouceur M. (1), Redheuil A. (1), Iserin, L. (2), Sidi D. (2), Mousseaux E. (1)  
Georges Pompidou European Hospital, Paris, France (1); Necker, Paris, France (2)

- P-135 Echocardiographic Preoperative Risk Factors For Norwood Procedure In Hypoplastic Left Heart Syndrome (HLHS)**  
 Mazurek-Kula A. (1), Sysa A. (1), Moll J.A. (1), Moll J.J. (2)  
 Cardiology Department Polish Mother's Memorial Hospital, Research Institute (1);  
 Cardiosurgery Department Polish Mother's Memorial Hospital, Research Institute (2)
- P-136 Early diagnosis of transplant coronary artery disease by intravascular ultrasound (IVUS) improves the outcome of pediatric heart transplant recipients**  
 Tissot C. (1), Pietra B.A. (1), Boucek M.M. (2), Gilbert D.J. (1), Campbell D.N. (1), Mitchell M.B. (1), Ivy D.D. (1), Miyamoto S.D. (1)  
 (1) The Children's Hospital, Denver, Colorado, US (2) Joe DiMaggio Children's Hospital, Hollywood, Florida, US
- P-137 Increased rotation compensates for impaired longitudinal and radial deformation in children with hypertrophic cardiomyopathies**  
 Laser K.T., Palacios Argueta J.R., Knyphausen E., Crespo-Martinez E., Görg R., Kretschmer A., Kececioglu D.  
 Clinic for congenital heart defects, Heart and Diabetes Center North Rhine-Westphalia Bad Oeynhausen, Germany
- P-138 Reduced systolic right ventricular longitudinal and left ventricular radial deformation in children after arterial switch operation**  
 Laser K.T. (1), Palacios Argueta J.R. (1), Görg R. (1), Kretschmer A. (1), Böttler P. (2), Schlensak C. (3), Kececioglu D. (1)  
 Clinic for congenital heart defects, Heart and Diabetes Center North Rhine-Westphalia, Bad Oeynhausen, Germany  
 Department of pediatric cardiology, University Freiburg, Germany  
 Department of cardio-thoracic surgery, University Freiburg, Germany.
- P-139 Normal values for aortic diameters in children and adolescents – in vivo assessment by contrast-enhanced MR angiography**  
 Valsangiacomo Buechel E.R. (1), Kaiser T. (1), Albisetti M. (2), Bergsträsser E. (3), Kellenberger C.J. (4)  
 Division of Pediatric Cardiology, University Children's Hospital, Zurich, Switzerland (1);  
 Division of Pediatrics, University Children's Hospital, Zurich, Switzerland (2); Division of Pediatric Oncology, University Children's Hospital, Zurich, Switzerland (3); Division of Diagnostic Imaging, University Children's Hospital, Zurich, Switzerland (4)
- P-140 Automatic Functional Imaging: a new tool for assessment of myocardial function in children**  
 Stos B. (1), Labombarda F. (2), Rein A. (3), Bonnet D. (2), Boudjemline Y. (2)  
 Centre Chirurgical Marie Lannelongue, Le Plessis Robinson, France (1),  
 Hopital Necker Enfants Malades, Paris, France (2),  
 Hadassah-Hebrew University Hospital, Jerusalem, Israel (3)
- P-141 Intra- and interventricular synchrony in paediatric patients with single-site right versus left ventricular pacing**  
 Tomaske M. (1), Breithardt O.A. (2), Bauersfeld U. (1)  
 Division of Paediatric Cardiology, University Children's Hospital Zurich, Switzerland (1), Department of Cardiology, Klinikum Coburg, Germany (2)
- P-142 Right ventricular dilatation in severe pulmonary regurgitation late after repair of tetralogy of Fallot - How fast does it progress?**  
 Valsangiacomo E.R. (1), Kaiser T. (1), Kellenberger C.J. (2), Dodge-Khatami A. (3), Bauersfeld U. (1)  
 Division of Pediatric Cardiology, University Children's Hospital, Zurich, Switzerland (1); Division of Diagnostic Imaging, University Children's Hospital, Zurich, Switzerland (2); Division of Congenital Cardiovascular Surgery, University Children's Hospital, Zurich, Switzerland (3)
- P-143 Dobutamine Stress MRI in post repair Tetralogy of Fallot with severe pulmonary regurgitation: Preliminary results**  
 Parish V. (1), Bell A. (1), Head C. (2), Rosenthal E. (2), Greil G. (1), Razavi R. (1), Beerbaum P. (1)  
 King's College, London, UK (1) Guy's and St Thomas' NHS Trust, London, UK (2)
- P-144 Normal values of biventricular function, volumes, and mass in children aged 8 to 17 years. A magnetic resonance study using steady-state free precession**



- Robbers-Visser, D. (1), Boersma H. (1), Helbing W.A. (1)*  
*Erasmus MC, Rotterdam, the Netherlands*
- P-145 Differential analysis of pulmonary vascular resistance, endsystolic- and enddiastolic ressure-volume relations in Fontan patients: Its diastolic dysfunction that limits cardiac reserve**  
*Falkenberg J., Ovrouski S., Ewert P., Rahmzadeh P., Maarouf N., Schmitt B., Riesenkampff E., Bodhey N.K., Berger F., Kuehne T.*  
*German Heart Institute Berlin, Germany*  
*Dept. for Congenital Heart Disease and Pediatric Cardiology*
- P-146 Teleradiologic network for central analysis and archiving of MR images: A three-years experience of a cardiovascular science-association**  
*Kuehne T. (1), Mueller S. (2), Sarikouch S. (3), Beerbaum P. (3), Franke D. (1), Lange P. (4), Sax U (2)*  
*Abteilung für Angeborene Herzfehler – Kinderkardiologie, Deutsches Herzzentrum Berlin, Germany (1); Abteilung Medizinische Informatik, CIOOffice Medizinische Forschungsnetze, Universitätsmedizin Göttingen, Germany (2); Klinik für Angeborene Herzfehler, Ruhr-Universität, Herz- und Diabetes-Zentrum Bad Oeynhausen, Germany (3); Kompetenznetz Angeborene Herzfehler, Zentrale, Berlin, Germany (4)*
- P-147 The utility of enalapril treatment in anthracyclines-induced cardiac injury in children with malignancies- preliminary study**  
*Mandric C. (1), Dimitriu A.G. (1), Miron I. (1) Dimitriu L. (2)*  
*University of Medicine and Pharmacy, Iasi, Romania (1)*  
*Medical Center MEDEX, Iasi, Romania (2)*
- P-148 MRI evaluation of biophysical proprieties of ascending aorta in bicuspid aortic valve**  
*Ait-Ali L. (1,2), Aquaro G. (2), Bernabei M. (1), Recla S. (1), Kull S. (1), Foffa I. (1), Mariani M. (1), Festa P. (1,2)*  
*“G.Pasquinucci” Hospital CNR, Massa,Italy (1); MRI Lab Institute of Clinical Physiology- CNR, Pisa, Italy (2)*
- P-149 Afterload reduction in children and young adults with left ventricular obstructive lesions by interventional cardiac catheterization is followed by a decrease in rotation**  
*Laser K.T., Haas N.A., Schäffler R., Palacios Argueta J.R., Görg R., Kretschmer A., Kececioglu D.*  
*Clinic for congenital heart defects, Heart and Diabetes Center North Rhine-Westphalia, Bad Oeynhausen, Germany*
- P-150 Interest of 64-slice CT in the understanding of the mechanisms of the coronary lesions after arterial switch operation for transposition of the great arteries**  
*Bonnet D., Khraiche D., Bajolle F., Agnoletti G., Vouhé P., Raisky O., Boudjemline Y., Sidi D., Ou P.*  
*M3C-Pediatric Cardiology, Necker-Enfants Malades, Paris, France*
- P-151 Quantification of Mitral Valve Regurgitation in a Pediatric Population by Real-Time Three-Dimensional Echocardiography**  
*Acar P., Latcu G., Paranon S., Dulac Y., Abadir S.*  
*Pediatric Cardiology, Children Hospital, Toulouse France*
- P-152 Aortic anatomy and aortic distensibility in children with hypoplastic left heart syndrome studied by cardiac magnetic resonance imaging (MRI) at 3 tesla**  
*Voges I. (1), Hart C. (1), Jerosch-Herold M. (2), Helle M. (1), Hansen T. (1), Kramer H-H. (1), Rickers C. (1)*  
*Department of Paediatric Cardiology, University Hospital, Kiel, Germany (1); Harvard Medical School, Boston, USA (2)*
- P-153 Improved decision making for ASD closure by surgery or catheter intervention with routine use of real time 3D echocardiography (RT3DE) – 2.5 years experience**  
*Razek V. (1), Schneider P. (1), Dähnert I. (1), Riede F.T., Kinzel P. (1), Kostelka M. (2), Janousek J. (1)*  
*Department of Pediatric Cardiology, University of Leipzig, Heart Centre, Leipzig, Germany (1); Department of Cardiac Surgery, University of Leipzig, Heart Centre, Leipzig, Germany (2)*

- P-154 Assessment of right ventricular function and regional wall motion by high-field magnetic resonance imaging in children with hypoplastic left heart syndrome**  
Hart C. (1), Voges I. (1), Jerosch-Herold M. (2), Scheewe J. (1), Hansen T. (1), Helle M. (1), Kramer H.-H. (1), Rickers C. (1)  
Kinderherzzentrum, Universität Kiel, Germany (1); Harvard University, Boston, USA (2)
- P-155 Single vs Double Balloon for Percutaneous Mitral Valve Dilatation: a Finite Element Model and an Experimental Test**  
Schievano S. (1), Nicosia M.A. (2), Khambadkone S. (1), Cochran R. (3), Einstein D. (4), Kunzelman K. (3), Bonhoeffer P. (1)  
UCL Institute of Child Health & Great Ormond Street Hospital for Children, London, UK (1); Department of Mechanical Engineering, Widener University, Chester PA, USA (2); Central Maine Heart and Vascular Institute, Lewiston ME, USA (3); Biological Monitoring and Modeling, Pacific Northwest National Laboratory, Olympia WA, USA (4)
- P-156 Early and mid- term results of stent implantation and re-dilatation for native and recurrent coarctation of the aorta**  
Krasemann T., Bano M., Rosenthal E., Qureshi S.A.  
Evelina Children's Hospital, Guy's & St Thomas NHS Foundation Trust, Westminster Bridge Road, London SE1 7EH, United Kingdom
- P-157 Transcatheter Patch Correction of Non-Secundum Atrial Septal Defects: Patient Selection and Clinical Results**  
Sideris E.B., Chamie F., Macuil B., Haddad J., Kalahanis M., Toumanides S.  
Athenian Institute of Pediatric Cardiology, Athens, Greece
- P-158 Redilation of ePTFE covered CP stents**  
Butera G., Gaio G., Chessa M., Piazza L., Negura D., Arcidiacono C., Micheletti A., Carminati M.  
Pediatric Cardiology and Guch Unit  
Policlinico San Donato IRCCS  
San Donato Milanese – Italy
- P-159 Late results of balloon pulmonary valvuloplasty in the management of pulmonary valve stenosis depending on its severity in children.**  
Rudzinski A., Werynski P., Krol-Jawen W. Kordon Z., Kuzma J.  
Department of Paediatric Cardiology Polish-American Children's Hospital Collegium Medicum, Jagiellonian University Cracow, Poland
- P-160 Amplatzer vascular plug application in cardiovascular lesion in children**  
Zunzunegui J.L., Ballesteros F., Alvarez T., Siles A, Medrano C., Camino C., Maroto E., Brochet G.  
Gregorio Marañon Hospital, Madrid, Spain
- P-161 Catheter interventional closure of atrial septal defects in small children**  
Daehnert I., Razek V., Weidenbach M., Hamsch J., Riede F.T.  
Herzzentrum, University of Leipzig, Germany
- P-162 Chronical Testing of a New Hybrid Technique for Closure of mVSDs in a Pig Model**  
Kozlik-Feldmann R. (1), Lang N. (1), Lehner A. (1), Aumann R. (1), Sodian R. (2), Rassoulian D. (2), Schmitz C. (2), Wintersperger B. (3), Sigler M. (4), Freudenthal F. (5), Hinterseer M. (6), Vasilyev N. (7), Del Nido P. (7), Netz H. (1)  
Dpt. of Pediatric Cardiology, University of Munich, Germany (1); Dpt. of Cardiac Surgery, University of Munich, Germany (2); Institute of Clinical Radiology, University of Munich, Germany (3); Dpt. of Pediatric Cardiology, Georg-August University Goettingen, Germany (4); Kardiozentrum, La Paz, Bolivia (5), Internal Medicine I, University of Munich, Germany (6) Dpt. of Cardiac Surgery, Harvard Medical School, Boston, USA (7)
- P-163 The Helix Septal occluder for atrial septal defects closure: a single center experience**  
Spadoni I., Lunardini A., Ait-Ali L., Cantinotti M., De Lucia V., Rocca E., Giusti S.  
Pediatric Cardiology and GUCH Unit, CNR, "G. Pasquinucci" Hospital, Massa, Italy
- P-164 Development and implementation of a pulsatile circulation model to train catheter based interventions in paediatric cardiology**  
Schill M., Schaeffler R., Sarikouch S., Kececioğlu D., Haas N.A.  
Department for Congenital Heart Defects, Heart and Diabetes-Centre Nordrhein Westfalen, Ruhr-University Bochum, Bad Oeynhausen, Germany

- P-165 Results of stent implantation in patients with aortic coarctation**  
Brzezinska-Rajszyz G. (1), Zubrzycka M. (1), Jagiellowicz D. (2), Kosciesza A. (3), Księżyk J. (1), Rewers B. (1), Kansy A. (4), Kawalec W. (2)  
The Children's Memorial Health Institute, Warsaw, Poland  
Heart Catheterization Laboratory (1), Cardiology Clinic (2),  
Computed Tomography (3), Cardiosurgery Clinic (4)
- P-166 The Cp Stent For The Treatment Of Congenital Heart Diseases In Children**  
Agnoletti G., Ba H., Marini D., Boudjemline Y., Bonnet D.  
Necker Enfants Malades, Paris, France
- P-167 Use of a microcatheter in a telescopic system to reach difficult targets in complex congenital heart disease**  
Gewillig M., Boshoff D.E., Mertens L., Eyskens B., Budts W.  
Pediatric & Congenital Cardiology, Leuven, Belgium
- P-168 End-diastolic pulmonary artery forward flow in right ventricular outflow tract obstruction – intrinsic right ventricular restriction or reflection of underlying haemodynamics?**  
Lurz P., Nordmeyer J., Puranik R., Khambadkone S., Coats L., Derrick G., Cullen S., Bonhoeffer P., Taylor A.M.  
UCL Institute of Child Health and Great Ormond Street Hospital, London for Children, UK
- P-169 10- to 17-Year Follow-up After Aortic Balloon Valvuloplasty**  
Radtko W. (1), Fischer G. (2), Bandisode V. (3)  
Nemours Cardiac Center (1), Wilmington, DE, USA; Kinderkardiologie Uni-Klinikum SH (2), Kiel, Germany; MUSC Children's Hospital (3), Charleston, SC, USA
- P-170 Diminishing a shunt with a self-fabricated fenestrated Amplatzer device – various indications and modifications**  
Kretschmar O. (1), Roffi M. (2), Knirsch W. (1)  
University Children's Hospital, Department for Pediatric Cardiology (1);  
University Hospital, Department for Cardiology (2), Zurich, Switzerland
- P-171 Catheter interventions in the management of early postoperative Fontan problems**  
Bhole V., Stickley J., Reinhardt Z., Wright JGC, DeGiovanni J.G., Dhillon R., Miller P., Chikermane A., Desai T., Brawn W.J., Barron D.J., Jones T., Stumper O.  
Birmingham Children's Hospital NHS Foundation Trust, Birmingham, United Kingdom
- P-172 Transcatheter therapy of transverse arch coarctation of the aorta with covered stents**  
Sadiq M. (1), Rehman A. (1), Qureshi S.A. (2)  
Punjab Institute of Cardiology, Lahore, Pakistan (1)  
Evelina Children's Hospital, Guys trust, London, UK (2)
- P-173 Reduction of Irradiation in Cardiac Catheterisation of Children with Congenital Heart Disease using New X-ray Technology**  
D'Orsogna L., Tiang T., Harle Y., Scott B.  
Children's Cardiac Service, Princess Margaret Hospital, Subiaco, Western Australia
- P-174 Potts anastomosis for severe pulmonary arterial hypertension in children**  
Serraf A., Petit J. (1), Belli E. (1), Humbert M. (2), Simonneau G. (2), Bonnet D. (3), Sidi D. (3), Vouhé P. (3)  
Marie-Lannelongue Hospital, Le Plessis-Robinson, France (1)  
Hôpital Antoine Bécclère, Clamart, France (2)  
Hôpital Necker Enfants Malades, Paris, France (3)
- P-175 The Use of inhaled Nitric Oxide in the Critical Care Unit, Hospital for Sick Children, Toronto. A Retrospective Review 1994–2006**  
Hutter D., Sambamoorthi S., Humpl T.  
Hospital for Sick Children, Department of Critical Care Medicine and Cardiology, Hospital for Sick Children, Toronto, Canada
- P-176 Cardiology services in Paediatric Intensive Care Unit in UK – Is it time to revise the provisions?**  
Thyaga Rajan S(1), Al-Sabbagh A (2), Latifi. S(3), Kelsall W. (3)  
1. Evelina Children's Hospital, London, UK  
2. James Paget Hospital, Gt Yarmouth, UK  
3. Addenbrookes Hospital, Cambridge, UK

- P-177 Gender differentiated minimally invasive surgical approaches for repair of simple congenital heart disease**  
*Padalino M.A., Veshti A, Vida V.L, Butticci R., Stellin G.*  
*Pediatric and Congenital Cardiac Surgery Unit, University of Padova, Padova, Italy*
- P-178 30 years experience with surgical correction of atrioventricular septal defects**  
*Hoohekerk G.J.F., Rijlaarsdam M., Schoof P.H., Koolbergen D.R., Bruggemans E.F., Hazekamp M.G.*  
*Departments of Cardiothoracic Surgery and Pediatric Cardiology Leiden University Medical Center, Leiden, The Netherlands*
- P-179 Volume requirements after delayed sternal closure in infants after surgery for complex congenital heart defects**  
*Lambrecht A., Weidenbach M., Hamsch J., Richter J., Kostelka M., Janousek J.*  
*Heart Centre Leipzig, Leipzig, Germany*
- P-180 Novel prosthetic reinforcement technique for the prevention of autograft dilatation after the Ross procedure – early results**  
*Kadner A. (1), Schwerzmann M. (2), Pavlovic M. (3), Pfammatter J.P. (3), Carrel T. (1)*  
*(1) Department of Cardiovascular Surgery, (2) Department of Cardiology, (3) Department of Pediatric Cardiology, University Hospital Bern*
- P-181 Development of left ventricular systolic function of premature infant. By use of new echocardiographic tissue doppler imaging of strain and strain rate**  
*Kikuchi Y.*  
*Haga Redcross Hospital, Gion, Japan*

- 18:30 Water bus leaving from conference**
- 19:30 Visit to the Torcello Abbey**
- 20:00 GALA DINNER at LOCANDA CIPRIANI**

## Saturday May 24, 2008

- 8:30–9:30 Influence of modern imaging (with the educational support of SIEMENS)**  
*Chairs: Ludger Sieverding (Tubingen, DE), Manfred Vogt (Munich, DE)*
- Paediatric care in the 21st century: combining imaging, surgery and intervention for improved outcomes – Lee Benson (Toronto, CA)**  
**Clinical role of MRI in congenital heart disease – Sohrab Fratz (Munich, DE)**  
**Intracardiac Echo - alternative applications – Mario Carminati (Milan, IT)**
- 8:30–10:00 Joint Session of the WGs Paediatric Cardiovascular Intensive Care and Congenital Heart Surgery**  
**Cardiac surgery and cardiac intensive care: seeking an harmonious interaction**  
*Chairs: Ricardo Muñoz (Pittsburgh, USA), Giovanni Stellin (Padua, IT)*
- The importance of anticipation: introduction to the Aristotle score – Bohdan Maruszewski (Warsaw, PL)**  
**Who should take the final decision: the surgeon, the intensivist? Both! – Nikolaus Haas (Bad Oeyenhausen, DE)**  
**Oversight of surgical procedures performed in the cardiac intensive care unit – Emile Bacha (Boston, USA)**  
**Detection and treatment of common residual lesions in the ICU – Evelyn Lechner (Linz, AT)**
- 10:00–11:00 Percutaneous reconstruction of the RVOT (Medtronic unrestricted educational grant)**  
*Chairs: Dietmar Schranz (Giessen, DE), Gabriella Agnoletti (Paris, FR)*
- How to prepare the RVOT for percutaneous valve implantation – Marc de Leval (London, UK)**  
**Patient selection and technical problems – Mario Carminati (Milan, IT)**  
**Follow up of pulmonary valve implants – Phillip Bonhoeffer (London, UK)**

- 9:30–11:00**            **Scientific Session of the GUCH Task Force**  
**Specific problem related to increasing GUCH population**  
*Chairs: Folkert Jan Meijboom (Nijmegen, NL), Nicole Sekarski (Lausanne, SE)*  
**Re-do operation** – Harald Lindberg (Oslo, NO)  
**Fontan conversion and arrhythmia treatment** – Emile Bacha (Boston, USA)  
**Transcatheter interventions in GUCH** – Massimo Chessa (Milan, IT)  
**ICD in GUCH** – Jan Janousek (Leipzig, DE)
- 11:00–12:00**            **Scientific Session of the WG Interventional Cardiology**  
**Successes and failures in the cath lab**  
*Chairs: Shakeel Qureshi (London, UK), Caroline Ovaert (Bruxelles, BE)*
- 11:00–11:45**            **Coffee break**
- 11:45–12:30**            **Debate Session:**  
**Assessment for Fontan operation: is cardiac catheterisation necessary?**  
*Chairs: Tjark Ebles (Groeningen, NL), Jochen Weil (Hamburg, DE)*  
**Yes** – Giacomo Pongiglione (Genova, SE)  
**No** – Ashwin Prakash (Boston, USA)  
**The opinion of the surgeon** – Roberto Di Donato (Rome, IT)
- 12:30–13:00**            **State of the art Session: Tissue engineering: dream or reality**  
*Paolo De Coppi (London, UK)*
- 13:00–13:15**            **Closure of the Annual Meeting**
- 08:30–13:00**            **Simulator Workstation Organised by AGA Medical**
- 08:30–13:00**            **MRI for the General Paediatric Cardiologist. A Workshop Organised by the Imaging Working Group with the Support of GE Healthcare**