Cardiology in the Young

47th Annual Meeting of the Association for European Paediatric and Congenital Cardiology, AEPC
with joint sessions
with the Japanese Society of Pediatric Cardiology
and Cardiac Surgery

Supplement Editor:
Gurleen Sharland
Evelina Children’s Hospital,
London, UK

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The Organising Committee

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(AEPC Council)

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Scientific Secretary
Konrad Brockmeier

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St Luke’s International Hospital, Tokyo, Japan
Kisaburo Sakamoto
Shizuoka Children’s Hospital, Shizuoka, Japan
Shunichi Ogawa
Nippon Medical School, Tokyo, Japan

Local Organising Committee
Chairman
Gurleen Sharland

Members
Shakeel Qureshi
Eric Rosenthal
Andrew Tometzki

Congress Registration Desk
Opening Hours

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<th>Day</th>
<th>Date</th>
<th>Time</th>
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<tr>
<td>Wednesday</td>
<td>22.05.2013</td>
<td>14.00–20.00</td>
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<tr>
<td>Thursday</td>
<td>23.05.2013</td>
<td>07.30–18.30</td>
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<td>Friday</td>
<td>24.05.2013</td>
<td>07.30–20.00</td>
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<tr>
<td>Saturday</td>
<td>25.05.2013</td>
<td>08.00–14.00</td>
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PCO
MILLBROOK MEDICAL CONFERENCES LIMITED
The Red House, 22 High Street, Lutterworth, Leicestershire, LE17 4AD
e-mail: events@aepc2013.org
Website: www.millbrook-medical-conferences.co.uk

Venue
HILTON LONDON METROPOLE HOTEL
225 Edgware Road, London, W2 1JU
Phone: +44(0)20 7402 4141
Sponsors and Exhibitors:
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W.L. GORE & ASSOCIATES
Agenda
AEPC Business Meeting London
Thursday, 23 May 2013
Monarch Suite, Hilton Metropole, London

1. Welcome Address by the President S Qureshi
2. Obituary
3. Report of the President S Qureshi
4. Report of the Secretary-General K Hanseus
5. Report of the Scientific Secretary K Brockmeier
6. Report of the Treasurer J Stein
7. News from the Working groups
   Coding Committee R Franklin
   Cardiac Dysrhythmia and Electrophysiology N Blom
   Fetal Cardiology J Carlos Areias
   Genetics, Basic Science and Inherited Muscle Disease M Gorenflo
   Paediatric Cardiovascular Intensive Care E Lechner
   Cardiac Imaging J Marek
   Interventional Cardiology G Butera
   Cardiovascular Morphology A Angelini
   Congenital Heart Surgery J Comas
   Psycho-Social Care from Fetus to Adult F Casey
   GUCH Task Force A Szatmari
   Preventive Cardiology E Jokinen
   Junior members B Bonello
8. Report from the Advisory Board/National delegates K Hanseus
9. Introduction of New Members K Hanseus
10. Amendments to the Constitution K Hanseus
11. Cardiology in the Young, electronical or bundled? K Hanseus
12. Future Meetings
   2014 Helsinki
   2015 Prague
   2016
   2017
13. Other business
<table>
<thead>
<tr>
<th>Time</th>
<th>Kings Suite</th>
<th>Monarch Suite</th>
<th>Buckingham Suite</th>
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</thead>
<tbody>
<tr>
<td>08:30 – 10:30</td>
<td>Preoperative Imaging in newborns and small children</td>
<td>National Delegates Meeting &amp; Professional Affairs Committee</td>
<td>Update Teaching Course: Imaging &amp; Surgical Working Groups</td>
</tr>
<tr>
<td>10:30 – 12:30</td>
<td>Scientific Advisory Committee</td>
<td>Coding Committee</td>
<td>Cardiac Imaging in the peri- and postoperative management</td>
</tr>
<tr>
<td>12:30 – 13:30</td>
<td>LUNCH BREAK</td>
<td>Education Committee</td>
<td>Cardiovascular Imaging behind routine: why and how?</td>
</tr>
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<td>13:30 – 15:30</td>
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<td>15:30 – 17:30</td>
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**WEDNESDAY, 22 MAY 2013**

Presentation Room

- 08:30 – 10:30: Update Teaching Course
- 10:30 – 12:30: Scientific Advisory Committee
- 12:30 – 13:30: LUNCH BREAK
- 13:30 – 15:30: Coding Committee

**Welcome Reception**
### THURSDAY, 23 MAY 2013

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<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>08:00 - 09:00</td>
<td>Hilton Meeting Room A</td>
<td>Business Meeting Intervention WG</td>
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<tr>
<td>09:00 - 11:00</td>
<td>Kings Suite Foyer</td>
<td>AEPC Business Meeting</td>
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<tr>
<td>11:30 – 13:00</td>
<td>Hilton Meeting Room B</td>
<td><strong>COFFEE, EXHIBITION AND POSTERS</strong></td>
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<tr>
<td>11:30-13:00</td>
<td>Monarch Suite</td>
<td>Plenary Session Role of Hybrid Therapy</td>
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<td>Kings Suite Foyer</td>
<td>Moderated Poster Session 1</td>
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<td>Buckingham Suite</td>
<td>WG Fetal &amp; Morphology Borderline left ventricle and ventricular disproportion</td>
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<td>Blenheim Suite</td>
<td>Abstract Session Psychosocial and General</td>
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<tr>
<td>13:10-14:20</td>
<td>Hilton Meeting Room B</td>
<td><strong>LUNCH</strong> (Kings Suite)</td>
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<tr>
<td>14:30-16:00</td>
<td>Hilton Meeting Room B</td>
<td>Joint Session AEPC/APPCCS - Dealing with dilated ascending aorta/aortic root in ACHD</td>
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<td>Kings Suite Foyer</td>
<td>Moderated Poster Session 2</td>
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<td>Buckingham Suite</td>
<td>WG Intervention Coronary Artery Fistula – 2013 updates</td>
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<td>Blenheim Suite</td>
<td>Abstract Session Dysrhythmias and Electrophysiology</td>
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<tr>
<td>16:30-18:00</td>
<td>Hilton Meeting Room B</td>
<td><strong>COFFEE, EXHIBITION AND POSTERS</strong></td>
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<td></td>
<td>Kings Suite Foyer</td>
<td>WG Imaging Right Ventricular Function</td>
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<td>Buckingham Suite</td>
<td>WG Psychosocial Managing the impact of a diagnosis of complex or inherited Cardiac Disease</td>
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<td>Blenheim Suite</td>
<td>Abstract Session Genetics and Basic Science</td>
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<td>Hilton Meeting Room B</td>
<td>Anatomy Exhibition</td>
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20:00: Juniors Dinner – Walgrave Arms, 40-42 Brendon Street, Marble Arch, London, W1H 5HE
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<tr>
<th>Time</th>
<th>Hilton MR 7-9</th>
<th>Hilton Meeting Room 10-12</th>
<th>Hilton Meeting Room 13-15</th>
<th>Hilton Meeting Room 16 &amp; 17</th>
<th>Presentation Room</th>
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<tr>
<td>08:00-09:00</td>
<td>Business Meeting</td>
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<td>Basic Science &amp; Genetics WG</td>
<td>Cardiac Dysrhythmias WG</td>
<td>Fetal Cardiology WG</td>
<td>Surgery WG</td>
<td>Prevention WG</td>
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<td>17:00-18:30</td>
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<td>Meeting with Japanese Delegates</td>
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<td>08:00-09:00</td>
<td>Council Meeting Industry</td>
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<td>09:00-10:30</td>
<td>Joint Session USPCO/AEC/ACP</td>
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<td>Abstract Session Failing Fontan</td>
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<td>10:30-11:30</td>
<td>COFFEE, EXHIBITION AND POSTERS</td>
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<td>11:30-12:00</td>
<td>Young Investigators Award</td>
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<td>11:30-13:00</td>
<td>Modified Posters 4</td>
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<td>13:30-14:30</td>
<td>WG Fetal Cardiology Intervention</td>
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<td>14:30-16:00</td>
<td>WG Genetic &amp; Basic Science Function in Fontan</td>
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<td>16:00-16:30</td>
<td>WG PICU Learning from the Experts</td>
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<td>16:30-18:00</td>
<td>WG Fetal Cardiology Puzzle the Experts</td>
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<td>16:30-18:00</td>
<td>Abstract Session Pediatric Cardiology</td>
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<td>16:30-18:00</td>
<td>Junior Members' Meeting</td>
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<td>16:30-18:00</td>
<td>Industry Symposium Siemens</td>
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<td>16:30-18:00</td>
<td>Industry Symposium St. Jude Medical</td>
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<td>16:30-18:00</td>
<td>WG CHD &amp; Intervention Adult Cardiology: medical and non-medical Treatment</td>
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<td>20:00</td>
<td>Pre-dinner drinks (Kings Suite)</td>
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<td>20:30</td>
<td>Gala dinner (Monarch Suite)</td>
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<td>FRIDAY, 24 MAY 2013</td>
<td>08:00-09:00</td>
<td>Business Meeting</td>
<td>Hilton Meeting Room 16 &amp; 17</td>
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<td>GUCH Task Force</td>
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<td>FRIDAY, 24 MAY 2013</td>
<td>08:00-09:00</td>
<td>Business Meeting</td>
<td>Hilton Meeting Room 13-15</td>
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<td>Morphology WG</td>
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<td>FRIDAY, 24 MAY 2013</td>
<td>08:00-09:00</td>
<td>Business Meeting</td>
<td>Hilton Meeting Room 10-12</td>
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<td>Psycho-Social Care from</td>
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<td>Fetus to Adult WG</td>
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<tr>
<td>09:00-10:30</td>
<td>Plenary Session</td>
<td>09:00 – 10:30 Abstract Session</td>
<td>09:00 – 10:30 WG Surgery</td>
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<td></td>
<td>Heart Failure</td>
<td>GUCH</td>
<td>Are the Views Different?</td>
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<td>10:30 – 11:00: COFFEE, EXHIBITION AND POSTERS</td>
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<td>11:00-12:30</td>
<td>Intervention Complications Session</td>
<td>11:00-12:30 WG Prevention/Dysrhythmias</td>
<td>11:00 – 12:30 Abstract Session</td>
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<td>Sports and the Heart</td>
<td>Surgery</td>
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<td>12:30-13:20</td>
<td>KEYNOTE CLOSING LECTURE</td>
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<td>13:20-13:30</td>
<td>CLOSING REMARKS</td>
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### SCIENTIFIC PROGRAMME

#### WEDNESDAY 22. MAY 2013

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<th>Event</th>
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<tbody>
<tr>
<td>07:45–15:30</td>
<td>Update Course – Imaging &amp; Surgical</td>
<td>Buckingham Suite</td>
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<tr>
<td>08:00–08:30</td>
<td>Registration &amp; Refreshments</td>
<td>Blenheim Suite</td>
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<tr>
<td>08:30–10:10</td>
<td>Preoperative imaging in newborns and small children</td>
<td>Buckingham Suite</td>
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<tr>
<td>08:30</td>
<td>What the surgeon has to know and what he wants to know</td>
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<td></td>
<td>Asfour B.</td>
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<tr>
<td>08:50</td>
<td>Fetal echocardiography makes everything clear</td>
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<td></td>
<td>Sharland G.</td>
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<tr>
<td>09:10</td>
<td>Is there still space for cardiac angiography?</td>
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<td></td>
<td>Butera G.</td>
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<tr>
<td>09:30</td>
<td>Echocardiography – the first choice!</td>
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<td></td>
<td>Marek J.</td>
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<td>09:50</td>
<td>MRI/CT – only an addition?</td>
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<td></td>
<td>Eichhorn J.</td>
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<tr>
<td>10:10–10:50</td>
<td>Coffee Break</td>
<td>Blenheim Suite</td>
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<tr>
<td>10:50–12:30</td>
<td>Cardiac imaging in the peri- and postoperative management</td>
<td>Buckingham Suite</td>
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<td>10:50</td>
<td>In front of the curtain</td>
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<td>Sarris G.</td>
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<tr>
<td>11:10</td>
<td>Behind the curtain</td>
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<td></td>
<td>Vogt V.</td>
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<tr>
<td>11:30</td>
<td>Whom I want to talk to and whom I want to listen to</td>
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<td></td>
<td>Tsang V.</td>
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<td>11:50</td>
<td>Hybrid imaging: all in one?</td>
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<td>Greil G.</td>
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<tr>
<td>12:10</td>
<td>Hybrid procedures in operating theatre: hole in one?</td>
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<td>Schranz D.</td>
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<tr>
<td>12:30–13:30</td>
<td>Lunch</td>
<td>Blenheim Suite</td>
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<tr>
<td>13:30</td>
<td>Tissue Deformation Imaging: does it help in clinical decision making?</td>
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<td>Bijnen B.</td>
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</table>
**13:50** Real-time 3D Echocardiography: why surgeon likes it more than cardiologist?  
* Simpson J.

**14:10** Cardiac modelling: next generation needs it!  
* Taylor A.

**14:30** Virtual surgery for pre-procedural planning in CHD  
* Hsia T.Y.

**14:50** CircAdapt: a model to imagine cardiovascular (patho)physiology  
* Delhaas T.

**15:10** Discussion and quiz

**We 08:30–10:30**  
Hilton Meeting Room 7–9  
**National Delegates Meeting & Professional Advisory Committee**

**We 10:30–12:30**  
Hilton Meeting Room 7–9  
**Scientific Advisory Committee**

**We 13:30–15:30**  
Hilton Meeting Room 7–9  
**Coding Committee**

**We 13:30–15:00**  
Presentation Room  
**Education Committee**

**We 16:00–18:00**  
Monarch Suite  
**Opening Ceremony and Mannheimer Lecture – Professor John Hess – “Impact of changing patterns and technologies for CHD on long term outcomes”**  
* Chair: Shakeel Qureshi (London, UK), Gurleen Sharland (London, UK)

**We 18:00–20:00**  
King’s Suite  
**Welcome Reception**

**THURSDAY 23. MAY 2013**

**Th 08:00–09:00**  
Hilton Meeting Room 7–9  
**WG Business Meeting: Basic Science & Genetics**

**Th 08:00–09:00**  
Hilton Meeting Room 10–12  
**WG Business Meeting: Cardiac Dysrhythmias**

**Th 08:00–09:00**  
Presentation Room  
**WG Business Meeting: Prevention**

**Th 08:00–09:00**  
Hilton Meeting Room 16–17  
**WG Business Meeting: Surgery**

**Th 08:00–09:00**  
Hilton Meeting Room A  
**WG Business Meeting: Intervention**

**Th 08:00–09:00**  
Hilton Meeting Room 13–15  
**WG Business Meeting: Fetal Cardiology**

**Th 09:00–19:00**  
Hilton Meeting Room B  
**9th Annual Multi-Societal Database Committee for Pediatric and Congenital Heart Disease**

**Th 09:00–11:00**  
Monarch Suite  
**AEPC Business Meeting**  
* Chair: Shakeel Qureshi (London, UK), Katarina Hanseus (Lund, Sweden)

**Th 10:30–11:30**  
King’s Suite  
**Coffee Break, Posters and Exhibition**

**Th 11:30–13:00**  
Monarch Suite  
**Plenary Session: Role of Hybrid Therapy**  
* Chair: Aphrodite Tzifa (Athens, Greece), David Anderson (London, UK)

**11:30** Borderline left heart – treatment strategies  
* Tulzer G.

**11:50** Is hybrid here to stay  
* Benson L.

**12:10** Changes in hybrid strategies  
* Anderson D.

**12:30** Hybrid does not make any sense  
* Asfour B.

**12:50** Discussion
### Working Group Symposium – Fetal Cardiology and Morphology: Borderline left ventricle and ventricular disproportion

**Chair:** Jose Areias (Porto, Portugal), Annalisa Angelini (Padua, Italy)

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:30</td>
<td>Histopathology of borderline LV and HLHS</td>
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<td>Gittenberger-de Groot A.</td>
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<td>11:45</td>
<td>An approach to fetal ventricular disproportion</td>
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<td>Simpson J.</td>
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<td>12:00</td>
<td>Update on FWG study on intrauterine management of aortic stenosis</td>
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<td></td>
<td>Kovacevic A.</td>
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<tr>
<td>12:15</td>
<td>Borderline LV, the paediatric cardiologist's approach</td>
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<td>Rijlaarsdam M.</td>
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<td>12:30</td>
<td>Borderline LV, the surgical approach: staged recruitment</td>
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<td>Myers P.</td>
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<td>12:45</td>
<td>Discussion</td>
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### Abstract Session 1: PSYCHOSOCIAL AND GENERAL

**Chair:** Frank Casey (Belfast, UK), Grazyna Brzezinska-Rajszys (Warsaw, Poland)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30</td>
<td>Postoperative systemic inflammatory response is an important determinant for adverse two-year neurodevelopmental outcomes after the Norwood procedure</td>
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<td></td>
<td>Li X., Robertson C., Yu X., Cheypesh A., Dinu I., Li J.</td>
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<td>11:40</td>
<td>Liver Fibrosis in Patients with Fontan Circulation Leads to Alteration in Portal Venous Hemodynamics</td>
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<td>Hayashi T., Shindo T., Hirata Y., Shimizu N., Inuzuka R.</td>
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<tr>
<td>11:50</td>
<td>Outcome of dilated cardiomyopathy in very young children</td>
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<td>12:00</td>
<td>Long-term outcome of 117 patients with univentricular heart and common atrioventricular valve</td>
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<td>Bajoille F., Laux D., Boudjemline Y., Bonnet D.</td>
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<td>12:10</td>
<td>Exercise capacity in children after total cavopulmonary connection; lateral tunnel versus extracardiac conduit technique</td>
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<td>12:20</td>
<td>Direct Intrapulmonary Injection of Iloprost in the Pulmonary Artery for Testing</td>
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<td>Degener F., Haas N.A., Hertwig C., Moysich A., Laser K.T., Sandica E., Kececioglu D.</td>
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<tr>
<td>12:30</td>
<td>Are deficits in emotion processing part of the neurodevelopmental morbidities after transposition of the great arteries (TGA)?</td>
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<td>Calderon J., Angeard N., Pinibiaux C., Bonnet D., Jambaque I.</td>
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<tr>
<td>12:40</td>
<td>Illness narratives from school-age children with congenital heart defects: children’s perspectives on life experiences and coping strategies related to severity of cardiac diagnosis</td>
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### Interventional Posters 1

**Chair:** Francois Godart (Lille, France), Ulrika Salzer- Muhair (Vienna, Austria)

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>11:30</td>
<td>Percutaneous closure of coronary artery fistulas in paediatrics</td>
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<tr>
<td>11:36</td>
<td>Radiofrequency Catheter Ablation – A Novel Concept For The Treatment of Hypertrophic Obstructive Cardiomyopathy</td>
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<td>Hauser J., Sreeram N., Pees C., Luckner D., Novak S., Michel-Behnke I.</td>
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<tr>
<td>11:42</td>
<td>Intermediate and late outcome of Fontan patients after fenestration closure – single institutional study</td>
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<td>Bobik L., Masura J.</td>
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<td>11:48</td>
<td>Successful off-label implantation of the ‘aortic’ Edwards SAPIEN XT valve (29 mm) in right heart valvar lesions</td>
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<tr>
<td>11:54</td>
<td>Stent implantation as treatment for coarctation of the aorta with near total aortic occlusion</td>
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<tr>
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<td>Mervis J.G., Uebing A., Rigby M.L., Magee A.G.</td>
</tr>
</tbody>
</table>
12:00 Early Single Stage Hybrid Approach for Hypoplastic Left Heart Syndrome: Our Experience
PW1-6
Manuri L., Agati S., Saitta M., Poli D., Campisi M., Trimarchi E., Iannace E., Morelli S., Pongiglione G., Pirti C., Dilorio F., Guccione P.
12:06 Results from an open-label, long-term safety and tolerability extension study using the pediatric FormUlation of bosenTan in pulmonary arterial hypertensioN (FUTURE-2)
PW1-7
12:12 Interventional closure of ventricular septal defects with the new Nit-Occlud Lè VSD device – 24 month of experience
PW1-8
Moysich A., Laser K.T., Kecicioglu D., Sandica E., Haas N.A.
12:18 Technical aspects of hybrid procedure in hypoplastic left heart syndrome – the “true hybrid”
PW1-9
Knirsch W., Quandt D., Dave H., Pretre R., Huebler M., Bürki C., Kretschmar O.
12:24 Novel Method of Surgical Preparation for Transcatheter Completion of Fontan circulation: creation of an extracardiac pathway
PW1-10
Malekzadeh-Milani S., Gerelli S., Van Steenbergh M, Patel M., Bonnet D., Boudjemline Y.
12:30 Transcatheter Occlusion of Patent Ductus Arteriosus (PDA) in Low-Weight Pre-term Neonates (< 2 kg) with Amplatz Occluder II Additional Size (ADO-II-AS)
PW1-11
12:36 Percutaneous Pulmonary Valve Implantation PPVI in post surgical conduit-free RVOT
PW1-12
Cools B., Heying R., Boshoff D., Suys B., Ferich S., Troost E., Budts W., Gewillig M.
12:42 Transhepatic cardiac catheterisation in children: What have we learnt?
PW1-13
Gambra M., Ballesteros F, Alvarez M., Centeno M., Stanovic L., Gil N., Zunzunegui J.L.
12:48 Lineage tracing of cells from the sino-atrial node area to determine the fate of the chicken cardiac conduction system
PW1-14
Kelder T.P., Vicente-Steijn R, de Ruiter M.C., Poelman R.E., Schalij M.J., Gittenberger-de Groot A.C., Jongbloed M.R.M.
12:54 Tenascin-C as a novel predictor of unresponsiveness to high-dose intravenous immunoglobulin and coronary artery lesions in patients with Kawasaki disease
PW1-15
Okuma Y., Imanaka K., Hiroe M., Matsuishi T., Abe J., Ichida F., Shiraishi I., Suda K., Mitani Y., Yoshikane Y.

Th 13:00–14:30 Lunch
King’s Suite

Th 13:10–14:20 INDUSTRY SYMPOSIUM – MEDTRONIC: Melody® TPV Therapy: 12 Years of Global Clinical Experience
Buckingham Suite
Chair: Peter Ewert (Munich, Germany)
13:10 Surgical handling of the RVOT for the present and the future
Dave H.
13:30 Melody implantation: what have we learned?
Kretschmar O.
13:50 Melody Munich mid-term experience: clinical outcomes and quality of life
Hager A.
14:00 Q&A and conclusion
Ewert P.

Th 13:10–14:20 INDUSTRY SYMPOSIUM – ABBVIE INC: Paediatric Congenital Heart Disease & RSV
Blenheim Suite
Chair: Robert Tulloh (Bristol, UK)
13:10 RSV Pediatric Cardiology including a UK perspective
Tulloh R.
13:30 Topic: Prevention/prophylaxis of RSV in the high-risk CHD child
Gouray V.
13:50 RSV Cardiology, a Surgeon’s Perspective
Gil-Jaurena J.M.
### Joint Session AEPC/APPCS: Dealing with dilated ascending aorta/aortic root in ACHD

**Chair:** Mei Hwan Wu (Taipei, Taiwan), Bohdan Maruszewski (Warsaw, Poland)

- **14:30** Bicuspid aortic valve – molecular basis  
  *De Backer J.*
- **14:46** Therapeutic potential for ARBs for Marfan patients  
  *Wu M.H.*
- **15:02** Dilated aortic root after arterial switch operation  
  *Ghez O.*
- **15:18** Dilated aortic root after repair of TOF/pulmonary atresia  
  *Barron D.*
- **15:34** Treatment of aortopathy  
  *Brizard C.*
- **15:50** Discussion

### Working Group Symposium – Intervention: Coronary arterial fistulas – 2013 updates

**Chair:** Andreas Eicken (Munich, Germany), Gianfranco Butera (Milan, Italy)

- **14:30** Morphology of coronary arterial fistulas  
  *Kolesnik A.*
- **14:50** Clinical impact, natural history and indication for treatment of coronary fistulas  
  *Thompson J.*
- **15:10** Catheter interventional treatment (which lesion can be treated in cath lab)  
  *Qureshi S.*
- **15:30** Surgical treatment (which lesion can not be treated in cath lab)  
  *Sarris G.*
- **15:50** Discussion

### Abstract Session 2: DYSRHYTHMIAS AND ELECTROPHYSIOLOGY

**Chair:** Jo DeGiovanni (Birmingham, UK), Alpay Celiker (Istanbul, Turkey)

- **14:30** Characterization of right ventricular activation in patients with Tetralogy of Fallot and right bundle branch block  
  *Jalal Z., Sacher F., Bordachar P., Derval N., Ploux S., Jais P., Haissaguerre M., Thambo J.-B.*
- **14:40** Changes in conduction and restriction of expression patterns during sinoatrial and atrioventricular node development: role of ROCK signalling  
  *Vicente-Steijn R., Wisse L.J., Poelmann R.E., Gittenberger-de Groot A.C., Schalij M.J., Jongbloed M.R.M.*
- **14:50** First experience with a new totally subcutaneous ICD (Cameron Health) in five high risk patients with complex congenital heart disease (CHD)  
  *Peters B., Rosenthal E., Schmitt B., Schoof S., Berger F.*
- **15:00** Intraoperative Treatment of Arrhythmias in Adult Patients With Congenital Heart Disease  
  *Pluchinotta F.R., Foresti S., Chessa M., Micheletti A., Negura D., Carminati M., Frigiola A., Giamberti A.*
- **15:20** Permanent left ventricular apical cardiac pacing in children: long-term follow-up  
  *Kubuš P., Gebauer R.A., Matějka T., Bandžúchová Ž., Brázdil J., Janoušek J.*
- **15:30** Presentation and follow up of Brugada Syndrome in children  
  *Dewals W., De Asmundis C, Benatari A., Brugada P.*
- **15:40** Defining Cardiac Ion Channelopathies in Sudden Infant Death Syndrome: A Systematic Review  
  *Prendiville T., Clapp A., Ozonoff A., Abrams D.*

### Moderated Posters 2

**General paediatric cardiology and End-stage heart and lung disease**  
**Chair:** Katarina Hanseus (Lund, Sweden), Joerg Stein (Innsbruck, Austria)

- **14:30** Plastic Bronchitis – Symptomatic improvement after pulmonary arterial stenting in four patients with Fontan circulation  
  *Tanase D., Ewert P., Eicken A.*
- **14:36** Values of immunoglobulin G are correlated with the responsiveness to initial  
  *Yanagimoto K., Nomura Y., Masuda K., Hirabayashi M., Morita Y., Arata M., Ueno K., Eguchi T., Kawano Y.*
14:42 Brain volumetry in infants with congenital heart disease: pre- and postoperative
assessments using cerebral MRI compared to healthy controls
Knirsch W., Latal B., Scheer I., Liamlahi R., Bernet V., Dave H., Schmitz A., Hagmann C.,
Buchmann A., von Rhein M. [on behalf of the Research Group Heart and Brain]
14:48 Relation of quality of life, exercise capacity, and ventricular function in adults with
repaired tetralogy of Fallot
Hua Y.C., Chen C.A., Chiu H.H., Liao S.C., Lue C.W, Lin M.T., Chiu S.N., Chang C.I.,
Chiu I.S., Chen Y.S., Hung-Chi Lue H.C., Wang J.K., Wu M.H.
14:54 Pulmonary Arterial Hypertension in Children with Congenital Portosystemic Venous Shunt
Nagata H., Yamamura K., Uike K., Nakashima Y., Hirata Y., Ihara K., Hara T.
15:00 Effectiveness of Ambrisentan Therapy in Patients of Protein-Losing Enteropathy after
Fontan Operation
Yutaka O., Satoshi Y., Kiyohiro T., Sei-ichi T., Hiromitsu M., Yosuke A., Takahiko S.
15:06 Normal Blood Pressure and Maximum Rate Pressure Product Responses to Treadmill
Exercise Test in Healthy British Children
15:12 Reference values of the right ventricular outflow tract systolic excursion (RVOT SE) in 711
healthy children and calculation of z-score values
Koestenberger M., Ravekes W., Avian A., Heinzl B., Cvirn G., Nagel B., Fritsch P.,
Fandl A., Rehak T., Gamillscheg A.
15:18 Functional analysis of the anatomical right ventricular components : should assessment
of right ventricular function after repair of tetralogy of Fallot be refined?
Bove T., Vandekerckhove K., Panzer J., De Groote K., De Wilde H., De Wolf D.,
De Backer J., Demulier L., Devos D., François K.
15:24 Assessment of early onset chronic progressive anthracycline cardiotoxicity by tissue
Doppler imaging in children
Kocabas A., Akçurin G., Kardean F., Aldemir-Kocabas B., Yesilipek A., Hazar V.,
Ertuğ H.
15:30 Progression of aortic valve dysfunction and aortic root dilatation in paediatric patients
with isolated bicuspid aortic valve
Favilli S., Spaziani G, Ballo P., Bibbi V., Buonincontri L., Pollini I., Zuppiroli A.,
Chiappa E.
15:36 Comparison of echocardiography and ECG for detection of abnormal phenotype in
childhood mutation carriers for familial hypertrophic cardiomyopathy
Allahyari P., Östman-Smith I.
15:42 Anomalous left coronary artery from the pulmonary artery associated with other cardiac
defects : a difficult joint diagnosis
Laux D., Bertail C., Bajolle F., Houyel L., Boudjemline Y., Bonnet D.
15:48 Outpatient Clinical Follow Up of Children With Implantable Continuous Flow Ventricular
Assist Devices: The Preliminary Experience from Ege University Hospital
Ulger Z., Egin C., Bozabali S., Ozyurek A.R., Ozbaran B., Levent E., Ozbaran M.
15:54 Effects of carvedilol therapy on cardiac autonomic control, QT dispersion and ventricular
arrhythmias in children with dilated cardiomyopathy
Ofaz M.B., Balli S., Kibar A.E., Ece I., Akdeniz C., Tuzcu V.

Th 16.00–18.00
King’s Suite
Coffee Break, Posters and Exhibition

Th 16.30–18.00
Hilton Meeting Room A
Anatomy Exhibition
Chair: Daniel De Wolf (Ghent, Belgium), Georgia Sarquella Brugada (Barcelona, Spain)

Th 16.30–18.00
Monarch Suite
Working Group Symposium – Imaging: All about right ventricular function in:
Chair: Jan Marek (London, UK), Joachim Eichhorn (Heidelberg, Germany)
16:30 Tetralogy of Fallot
Helbing W.
16:50 Pulmonary hypertension
Delhaas T.
17:10 Transposition after atrial correction
Meierhofer C.
17:30 Hypoplastic left heart after staged Fontan
Bell A.
17:50 Discussion
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| Th 16:30–18:00 | **Working Group Symposium – Psychosocial: Managing the impact of a diagnosis of complex or inherited Cardiac Disease**  
**Chair:** Katya de Groote (Ghent, Belgium), Konrad Brockmeier (Cologne, Germany) |
| 16:30  | Implications of prenatally diagnosed genetic and extracardiac malformations in congenital heart disease  
*Freund M.W.* |
| 16:50  | Developmental, psychosocial and educational outcomes in children post Norwood procedure for hypoplastic left heart syndrome  
*Casey F.* |
| 17:10  | Family impact of a diagnosis of an inherited chanelopathy or cardiomyopathy  
*Blom N.* |
| 17:30  | How to support the family after a bereavement from Congenital Heart Disease  
*O’Curry S.* |
| 17:50  | Discussion |

| Th 16:30–18:00 | **Abstract Session 3: GENETICS AND BASIC SCIENCE**  
**Chair:** Beatrijs Bartelds (Groningen, The Netherlands), Toshio Nakanishi (Tokyo, Japan) |
| 16:30  | Increased subclinical atherosclerosis in HIV-infected children and adolescents: relations with cardiovascular biomarkers, immune activation/senescence and HIV-related variables  
| 16:40  | Pitfalls of the Fontan circulation during exercise; a modeling study  
*Koeken Y.*, *Lumens J.*, *Arts T.*, *Delhaas T.* |
| 16:50  | Pannexin-1 deficiency results in increased susceptibility for atrial fibrillation and a LQTS phenotype  
*Donner B.C.*, *Petric S.*, *Girgenrath L.*, *Lahres T.*, *van Weel Bel C.*, *Zhaoping D.*, *Schmidt K.G.* |
| 17:00  | Influence of metabolic syndrome markers upon formation of essential arterial hypertension in adolescents  
*Plotnikova I.*, *Kovalev I.* |
| 17:10  | Impaired function and morphology of the sino-atrial node in a VEGF over-expression model  
| 17:20  | Hyperlipidemia and glucose intolerance at late maturity following neonatal hypoxia in rats  
*Rohlicek C.V.*, *Akhaven F.*, *McIntosh M.* |
| 17:30  | Does application of mechanical stress lead to a more mature phenotype of stem cell derived cardiomyocytes?  
| 17:40  | Ultrasound assessment of genetic mutated mouse models, Vegf+/-120 a model for Tetralogy of Fallot  

**FRIDAY 24. MAY 2013**

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| Fr 08:00–09:00 | **Council meets industry**  
*Monarch Suite* |
| Fr 08:00–09:00 | **WG Business Meeting: Imaging**  
*Hilton Meeting Room A* |
| Fr 08:00–09:00 | **WG Business Meeting: Morphology**  
*Hilton Meeting Room 10–12* |
| Fr 08:00–09:00 | **WG Business Meeting: GUCH Task Force**  
*Hilton Meeting Room 13–15* |
Fr 08:00–09:00  
WG Business Meeting: PICU  
Hilton Meeting Room 16–17

Fr 08:00–09:00  
WG Business Meeting: Psycho-Social Care from Fetus to Adult  
Hilton Meeting Room 7–9

Fr 08:00–09:00  
Drug Task Force  
Hilton Meeting Room B  
Chair: Joerg Stein (Innsbruck, Austria)

Fr 09:00–10:30  
Joint Session AEPC/JSPCCS: Failing Fontan  
Monarch Suite  
Chair: Eero Jokinen (Helsinki, Finland), Toshio Nakanishi (Tokyo, Japan)

09:00 Failure of the Fontan circulation: is the ventricle failing?  
Jokinen, E.

11:13 Impact of anticoagulation and anti-anticoagulation  
Ohuchi H.

11:26 Arrhythmia: interventions and prognosis  
Toyohara K.

11:39 Protein losing enteropathy: interventions and prognosis  
Sreeram N.

11:52 Fontan pulmonary circulation: need for catheter and medical interventions  
Nakanishi T.

12:05 Fontan circulation: conversion and transplantation  
Comas J.

12:18 Discussion

Fr 09:00–10:30  
Working Group Symposium – Morphology: Reappraising the RVOT in Tetralogy of Fallot  
Hilton Meeting Room B  
Chair: Lucile Houyel (Paris, London), Gerardus Bennink (Cologne, Germany)

09:00 Morphological perspective  
Angelini A.

09:20 Preservation of the pulmonary valve complex  
Vida V.

09:40 Substrates of post-operative Arrhythmias in ACHD TOF patients  
Ho S.Y.

10:00 Diagnosis and management of post-operative arrhythmias  
Ernst S.

10:20 Discussion

Fr 09:00–10:30  
Abstract Session 7: OUTCOME  
Hilton Meeting Room A  
Chair: Rodney Franklin (London, UK), Andre Bozio (Lyon, France)

09:00 Abnormal myocardial rotation is a non-invasive marker of rejection in paediatric heart transplant recipients  

09:10 Usefulness of Cardiac Magnetic Resonance in the Assessment of Myocardial Inflammation and Fibrosis in Children Born to Mothers with Anti-SSA/Ro Antibodies: A Prospective Study of 26 Cases and 6 Controls  

09:20 Dramatic Improvement of the prognosis of idiopathic PAH in the young during the last 3 decade – Predictive factors from a single center experience with 92 cases  
Saji T., Matsuura H., Takatsuki S., Ikehara S., Naoi K., Ozawa T.

09:30 Limited preload reserve during exercise limits exercise capacity in healthy Fontan patients  
Van De Bruaene A., La Gerche A., Claessen G., De Meester P., Devroese S., Bogaert J., Claus P., Heidbuchel H., Budts W., Gewillig M.

09:40 Sildenafil Improves Exercise Hemodynamics in Fontan patients  

09:50 Long term follow-up after heart transplantation in very young children  
Veyer M., Ducreux C., Henaire R., Bozio A., Sassolas F., Ninet J., Di Filippo S.
10:00 Cardiac and Multi-Organ Transplantation for End-Stage Congenital Heart Disease


10:10 The role of perinatal autopsy in prenatal interventions patients

Kolesnik A., Dębska M., Dębski R., Szymkiewicz-Dangel J.

Fr 09:00–10:30 Moderated Posters 3

King’s Suite Foyer

Surgery and Intensive care and Imaging/functional assessment

Chair: Derize Boshoff (Leuven, Belgium), Boulos Asfour (Sankt Augustin, Germany)

09:00 Effects of surgical truncus block rotation on the conduction system in children with transposition of the great arteries and left ventricular outflow obstruction

Prandstetter C., Tulzer A., Mair R, Sames-Dolzer E., Hakami L., Tulzer G.

09:06 Microdialysis – a new diagnostic tool in research of congenital heart surgery

Kubicki R., Grohmann J., Siepe M., Benk C., Humberger F., Rensing-Ehl A., Stiller B.

09:12 A comparative histopathological study of heparin coated and uncoated polytetrafluorethyle grafts in children with congenital heart defects

Hörer J., Cleuziou J., Kasnar-Samprec J., Schreiber C., Balling G., Foth R, Lange R., Sigler M.

09:18 Early Ross-Konno surgery for treatment of critical aortic stenosis

Tulzer G., Tulzer M., Hakami L., Gitter R., Arzt W., Mair R.

09:24 An old surgical approach renewed: Pulmonary Artery Banding for treatment of Left Ventricular Dilated Cardiomyopathy


09:30 Early results and long-term follow-up after mechanical circulatory support (MCS) with a variety of devices in children

Dangel G.R., Bächle F., Benk C., Grohmann J., Kroll J., Siepe M., Fleck T., Höhn R., Beyersdorf F., Stiller B.

09:36 Extracorporeal Life Support for Children with Late (post discharge) Rejection after Heart Transplantation: 10 year single center experience


09:42 Left coronary artery Doppler systolic flow reversal is associated with adverse myocardial events post arterial switch operation for Transposition of the Great Arteries

Nield L.E., MacColl C.E., Dragulescu A., Golding F., Mertens L., Manihiot C., Brun H., McRindle B.W., Caldarone C.A.

09:48 Changes of left ventricular rotation from Infancy to Adulthood


09:54 Impact of age and gender on longitudinal indexes of left ventricular systolic function in a normal paediatric population

Favilli S., Fibbi V., Ballo P., Spaziani G., Calabri G.B., Chiappa E., Zuppiroli A.

10:00 Surgery impacts right atrial function in tetralogy of Fallot


10:06 Effect of chronic right ventricular volume overload on ventricular interaction in patients after Tetralogy of Fallot repair

Dragulescu A., Grosse-Wortmann L., Redington A., Friedberg M.K., Mertens L.

10:12 Longitudinal right ventricular function quantified by speckle tracking predicts exercise capacity in adults with transposition of the great arteries

Ladouceur M., Redheuil A., Delclaux C., Chambon Y., Legendre A., Iserin L., Laux D., Bonnet D., Mousseaux E.

10:18 Isolated left ventricular non compaction: Relationships between MRI criterias for non compaction and clinical events

Marest D., Guerin P., Legloan L., Defrance C., Caza M., Fau G., Warn-Fresse K.

10:24 Measurement of Flow mediated vasodilatation in Patients with a History of Kawasaki disease

Yahata T., Ikeda K., Yoshioka A., Suzuki C., Okamoto A., Hamaoka K.
Fr 11:30–13:00  
**Young Investigators Award**  
**Monarch Suite**  
*Chair:* Jan Marek (London, UK)  
*Judges:* Mario Carminati (Italy), Otto Krogmann (Germany), Toshio Nakanishi (Japan), Keiko Toyohara (Japan)

11:30  
**YIA-1**  
Fetal aortic stenosis: which fetuses are candidates for in utero dilatation: a retrospective review over a decade  
Malekzadeh-Milani S., Raimondi F., Lebois J., Fermont L., Essaoui M., Bonnet D., Boudjemline Y.

11:45  
**YIA-2**  
Pulmonary valve regurgitation and the brain natriuretic peptide level in patients long after repair for Tetralogy of Fallot  
Kitagawa A., Oka N., Honda T., Ando H., Nakahata Y., Miyaji K., Ishii M.

12:00  
**YIA-3**  
One hundred cases of arterial duct stenting in a single centre: a mid term follow up  
Giugno L., Santoro G., Palladino M.T., Carrozza M., Iacono C., Capozzi G., Esposito R., Caianiello G., Russo M.G.

12:15  
**YIA-4**  
Clinical practice method of evaluating pulmonary perfusion in children with pectus excavatum after surgical repair  
Shimoyama S., Kobayashi T., Nakajima K., Ishii Y., Seki M., Miyamoto T., Hamajima A., Kobayashi T., Arakawa H.

12:30  
**YIA-5**  
Prevalence and Morphological Properties of Anatomical Isthmus involved in Monomorphic Ventricular Tachycardia in Repaired Tetralogy of Fallot  
Laranjo S., Kapel G.F., Zeppenfeld K., Blom N.A., Schalij M.J., Jongbloed M.R., Bartelings M.M.

12:45  
**YIA-6**  
Optimal timing of initial treatment in severe Kawasaki disease: A sub-analysis of the RAISE study  

Fr 11:30–13:00  
**Working Group Symposium – Dysrhythmias and Electrophysiology: Electrical device therapy in children**  
**Buckingham Suite**  
*Chair:* Nico Blom (Amsterdam, The Netherlands), Alpay Celiker (Istanbul, Turkey)

11:30  
**Happonen J.M.**  
Device implantation in children

11:50  
**Rosenthal E.**  
Pacemaker/ICD lead extraction in children

12:10  
**Janousek J.**  
Practical pacemaker programming in children

12:30  
**Gebauer R.**  
Challenging ICD programming: how to avoid inappropriate shocks

12:50  
**Discussion**

Fr 11:30–13:00  
**Abstract Session 4: INTERVENTION**  
**Blenheim Suite**  
*Chair:* Rui Anjos (Lisbon, Portugal), Martin Schneider (Sankt Augustin, Germany)

11:30  
**Eicken A., Schubert S., Mazzitelli D., Ewert P., Berger F**  
Percutaneous tricuspid valve implantation – Initial two centre experience

11:40  
**Fakler U., Ackermann K., Balling G., Hörer J., Eicken A., Ewert P.**  
Cardiac catheterization in patients with congenital heart disease on ECMO:Aimless action or helpful tool? – A review of 31 cases

11:50  
**Fraisse A., Assaïd A., Malekzadeh-Milani S., Patel M., Thambo J.-B., Bonnet D., Iserin L., Kammarcke I., Boudjemline Y.**  
Incidence, Diagnosis and Outcomes of Coronary Artery Compression During Percutaneous Pulmonary Valve Implantation

12:10  
**Recla S., Schieke C., Bauer A., Mazahri N., Jux C., Kerst G., Tuscsu V., Michel-Behnke I., Akintürk H., Schranz D.**  
Transcatheter Fenestration in Fontan Failure: single center experience

12:20  
**Ewert P., Al Halees Z., Biermaacka E.K., Pongiglione G., Haas N., Mullen M., Schubert S., Odemis E., Birk E., Mandinov L., Gewillig M.**  
One year follow-up of the PREMIER multicenter registry for the Edwards SAPIEN pulmonic transcatheter heart valve
Predictors and Outcomes of Right ventricular Outflow Tract Conduit Rupture during Percutaneous Pulmonary Valve Implantation: A Multicentric Study

12:20
Boudjemline Y., Malekzadeh-Milani S., Patel M., Thambo J.-B., Bonnet D., Iserin L., Fraisse A.

Transcatheter Melody Valve Implantation in Native Ventricular Outflow Tracts

12:30
Rodriguez A., Ballesteros F., Abelleira C., Gil N., Gamba M., Zunzunegui J.L.

Prospective study of patients with percutaneous implantation of Melody valve in pulmonary position: incidence of infective endocarditis and evaluation of risks factor for infective events

Malekzadeh-Milani S., Iserin L., Ladouceur M., Bonnet D., Boudjemline Y.

Fr 11:30–13:00
Abstract Session 8: GENERAL PAEDIATRIC CARDIOLOGY
Hilton Meeting Room A
Chair: Tony Salmon (Southampton, UK), Wim Helbing (Rotterdam, The Netherlands)

Comparison of percutaneous dilatation and surgical valvotomy in infants with aortic stenosis: a single center survey

11:30
Bertail Galoin C., Laux D., Boudjemline Y., Raisky O., Vouhé P., Bonnet D.

When Routine RF [RFA] – or Cryoablation [CRYO] Fails: Application of the Alternative Ablation Mode [either RFA or CRYO] for Successful Ablation Therapy in Pediatric Patients and Patients with Congenital Heart Disease [pts]

11:40
Will J.C., Opgen-Rhein B, Haeverkamp G, Weiss K., Berger F.

Mid- to long term follow-up of coronary artery bypass grafting in children – a single centre experience

11:50
Hormann S., Weber R., Kretschmar O., Valsangiaco E., Knirsch W.

MRI catheter stress haemodynamics in hypoplastic left heart syndrome after Fontan completion

12:00

Hybrid Approach for Infants with Pulmonary Atresia, Ventricular Septal Defect, extreme Hypoplasia of Central Pulmonary Arteries and Major Aortopulmonary Collaterals

12:10
Marasini M., Bondanza S., Tuo G., Puncuh F., Zannini L.

Optimal alignment of the Figulla Flex Occluder (FFO) to the atrial septum before release in patients with atrial septal defects

12:20
Haas N.A., Moysich A., Laser K.T., Degener F., Hertwig C., Froehle M., Kececioglu D., Sandica E.

Safety of transcatheter closure of atrial septal defect with a fenestrated Amplatzer septal occluder in patients with pulmonary hypertension or heart failure

12:30
Wang J.K., Lin M.T., Chen J.A., Wu M.H.

The EDWARDS VALEO LIFESTENT for treatment of cardio-vascular lesions in children

12:40
Ovaert C., Luciano D., Assaidi A., Kammache I., Kreitmann B., Mace L., Fraisse A.

Fr 11:30–13:00
Moderated Posters 4
King’s Suite Foyer
Dysrhythmias/Electrophysiology and Fetal Cardiology and GUCH and outcomes
Chair: Maartijn Witsenburg (Rotterdam, The Netherlands), Massimo Chessa (Milan, Italy)

In search of an improved QT correction formula in children

11:30
Benatar A., Dewals A., Decraene T., Feenstra A.

Early recognition and treatment of critical arrhythmias in adults after the atrial switch operation for transposition of the great arteries: remote monitoring vs standard follow-up

11:36
Nagel B., Janousek J., Koestenberger M., Maier R., Gamillscheg A., Zartner P.

Result of implantatable cardioverter-defibrillator in children with hypertrophic cardiomyopathy: an european experience

11:42
Maltret A., Balmer C., Ortega M., Mazic U., Silvetti M.

Catheter ablation of focal atrial tachycardia in pediatric patients: A ten year single centre experience using modern mapping systems

11:48
Dieks J.-K., Müller M.J., Schneider H.E., Krause U., Steinmetz M., Paul T., Kriebel T.

JT and other parameters of ventricular repolarization in healthy children

11:54
Bieganowska K., Sawicka-Parobczyk M., Bieganowski M.

600 percutaneous catheter ablations in children and adolescents – one center experience

12:00
12:06 The impact of an absent ductus arteriosus on clinical outcomes in fetuses diagnosed with Tetralogy of Fallot
Stern S.J., Wadekar N., Mertens L., Manlhiot C., McCrindle B.W., Jaeggi E.T., Nield L.E.

12:12 Long term follow-up of fetal cases with tricuspid valve anomalies

12:18 The Bicuspid Aortic Valve in Turner Syndrome: a Fetal Morphology Study

12:24 Fetuses with Tetralogy of Fallot – important information from prenatal diagnosis
Grzyb A., Lipa M., Was M., Dangel J.H.

12:30 Maternal Serum Antiarrhythmic Drug Levels Do Not Predict Fetal Supraventricular Tachycardia Response Time
Uzun O., Babaoglu K., Ayhan Y.I., Sinha A., Hardingham K.L., Beattie B.

12:36 Determining the best treatment for fetal SVT and Atrial Flutter (AFI): a comparison of two common drug treatment protocols
Sridharan S., Sullivan I., Tomek V., Wolfenden J., Škovránek J., Yates R., Marek J.

12:42 Cardiac output measurement during maximal exercise test in patients with tetralogy of Fallot (TOF) demonstrates chronotropic incompetence as a major cause of limited exercise capacity
Vandekerckhove K., Coomans I., Bove T., De Groote K., Panzer J., François K., De Wolf D.

12:48 Intellectual Function in Prematurely born School-aged Children with Congenital Heart Disease
Nakashia Y., Mori Y., Kaneko S., Takeda S., Watanabe K., Koide M.

12:54 Depression in Congenital Heart Disease; a forgotten issue
Kourkoveli P., Boutsikou M., Kantzis M., Bousoula E., Maillis A., Paraskievaidis I., Kremastinos D.T., Rammos S.

Fr 13:00–14:00 Junior Members

Fr 13:00–14:30 Lunch

Fr 13:10–14:20 INDUSTRY SESSION: Extended Use of Stents in Congenital Heart Disease
Chair: Shak Qureshi (London, UK), Andreas Eicken (Munich, Germany)

13:10 Follow up imaging of aortic stents
Klings G.

13:22 Treating aortic arch interruption in adults
Carminati M.

13:34 Covered stents in native RVOT prior to transcatheter valve implantation
Ewert P.

13:46 Complications of stenting large vessels
Schneider M.

13:58 Extending the application of covered stents
Gewillig M.

14:10 Questions and Discussion

Fr 13:10–14:20 INDUSTRY SYMPOSIUM – St Jude Medical: Versatility of Amplatz Devices in Congenital Heart Disease
Chair: Neil Wilson (Oxford, UK)

13:10 Echo guided duct closure at the bedside – A new approach for small babies
Wilson N.

13:30 AMPLATZER Duct Occluders – Which device for which duct?
Derrick, G.

13:50 Latest experience with VSD 2 – What does the future hold for Membranous VSD closure?
De Giovanni J.

14:10 Discussion
**Fr 13:10–14:20**
**Buckingham Suite**

**INDUSTRY SYMPOSIUM – Siemens: Low dose diagnostic and interventional imaging**

**Fr 14:30–16:00**
**Monarch Suite**

**Joint Session AEPC/EACTS: Techniques to augment pulmonary blood flow in CHD**

*Chair: Shak Qureshi (London, UK), Juan Comas (Madrid, Spain)*


**14:30**

I can tell you what procedure is needed after birth

*Sharland G.*

**14:46**

I stent the PDA

*Santoro G.*

**15:02**

I stent the RVOT

*DeGiovanni J.*

**15:18**

I do not let the interventionist near the baby

*Gaynor W.*

**15:34**

I do not have problems with interventionists with their catheter techniques

*Jacobs J.*

**15:50**

Discussion

**Fr 14:30–16:00**
**Buckingham Suite**

**Working Group Symposium – Basic Science and Genetics: Vascular function in Fontan**

*Chair: Birgit Donner (Duesseldorf, Germany), Beatrijs Bartelds (Groningen, The Netherlands)*

**14:30**

Vascular function in congenital heart disease – an update

*Tulloh R.*

**14:50**

Hepatic venous flow in Fontan patients

*Bryant T.*

**15:10**

Japanese Experience with PLE

*Ohuchi H.*

**15:30**

Pulmonary vascular disease in Fontan patients – what makes the difference to PAH in CHD?

*Berger R.M.*

**15:50**

Discussion

**Fr 14:30–16:00**
**Blenheim Suite**

**Abstract Session 5: FETAL CARDIOLOGY**

*Chair: Mats Mellander (Gothenburg, Sweden), Vlasta Fesslova (Milan, Italy)*

**14:30**

Aortic coarctation: a feasible prenatal diagnosis

*Deiros-Bronte L., Rubio D., Diez-Sebastian J., Rodriguez R., Labrandero C., Polo L., del Cerro M.J., de la Calle M., Gutierrez-Larraya F.*

**14:40**

Fetal Congenital Heart Disease Associated With Maternal Gestational Diabetes

*Hunter L.E., Sharland G.*

**14:50**

Epicardium derived cells drive differentiation of the left and right ventricle in normal and TGFbeta2 mutant mice


**15:00**

Prenatal diagnosis of right aortic arch: A spanish multicenter study


**15:10**

Brain growth is impaired in fetuses with congenital heart disease- MR volumetric assessment of the fetal brain

*Jowett V., Allsop J., Fox M., Kyriakopoulou V., Rutherford M., Gardiner H.*

**15:20**

Patients with prenatally diagnosed coarctation of the aorta may be at increased risk of re-coarctation

*Bo I., Ghez O., Atamanyuk I., Gardiner H.M., Carvalho J.S., Banya W., Seale A.N.*

**15:30**

Prognosis of severe congenital heart diseases: do we overestimate the impact of prenatal diagnosis?

*Vincenti M., Guillamont S., Mercier G., Clarivet B., De La Villeon G., Bredy C., Bertrand A., Voisin M., Amredor P.*

**15:40**

Prenatal evolution of heart defects detected during 11-13+6 weeks’ scan in a Referral Centre of Perinatal Cardiology

*Wlasienko P., Hamela-Olkowska A., Jalink K., Dangel J.H.*
Abstract Session 9: PREVENTION & GENERAL PAEDIATRIC CARDIOLOGY

Hilton Meeting Room B

14:30 The Incidence of Unrecognised Life-Threatening Congenital Heart Disease in Newborns in Scotland
Hewitson L.J., Sellers C.K., Walayat M.

14:40 Heart Catheterization (HC) complications in children with Pulmonary Hypertension (PH) as reported from the global TOPP Registry (Tracking Outcomes and Practice in Pediatric PH)
Humpf T., Beghetti M., Berger R.M.F., Mallory G., Geiger R., Berger J.T., Kronmal D., Schulze-Neick I., Barst R.

14:50 Subtype mitral stenosis/aortic stenosis is a risk factor for cerebral thromboembolic events in patients with hypoplastic left heart syndrome (HLHS)

15:00 Early remedial services use in children with transposition of the great arteries: prevalence and associated factors
Calderon J., Bonnet D., Pinabiaux C., Jambaque I., Angeard N.

15:10 Long-term survival and reinterventions after surgical correction of truncus arteriosus: a population based study
Gudnason J.F., Bergnerfeldt H., Wahlander H., Hanséus K., Berggren H., Johansson S., Sunnegårdh J.

15:20 Effect of left ventricular outflow tract obstruction on long-term survival with childhood hypertrophic cardiomyopathy: impact of modern management
Östman-Smith I., Fearnlund E., Larsson P., Rydberg A., Sjöberg G.

15:30 Multidisciplinary approach to multivessel lesions in Takayasu’s arteritis: the Gaslini Institute experience
Serafini M., Ribera E., Tuo G., Trochilo G., Pederzoli S., Rizzo F., Buoncompagni A., Santoro F., Martini A.

15:40 Heart-lung Interaction in Infants with Heart Insufficiency after Cardiac Surgery
Grollmuss O., Boet A., Fattal S., Hervé Ph., Belli E.

Coffee Break, Posters and Exhibition

Anatomy Exhibition

Working Group Symposium – GUCH and Intervention: Aortic Coarctation in adulthood: medical and non-medical treatments

Perfect repair and persistent systemic arterial hypertension:
Anjos R.

How to test systemic arterial pressure: effort testing-drug testing – other approaches
Giardini A.

Imaging the aortic arch: do we routinely need imaging in these patients and how?
Taylor A.

Residual problems on the aortic arch – Percutaneous approach
Eicken A.

Residual problems on the aortic arch – Surgical therapies
Jacobs M.

Discussion

Working Group Symposium – PICU: Learning from the experts

Pain and sedation
Trieschmann U.

Ventilation strategies for the right and the left heart
Sanchez de Toledo J.

Novel anticoagulants and the future of anticoagulation: are vitamin K antagonists out?
Male C.

Nutrition of the critically ill paediatric patient
Tissot C.

Discussion
Fr 16:30–18:00  Working Group Symposium – Fetal Cardiology: Puzzle the experts
Hilton Meeting Room B  
Chair: Sally-Ann Clur (Amsterdam, The Netherlands), Ulrike Herberg (Bonn, Germany)  
Panel of Experts – Ulrike Herberg (Bonn, Germany) & John Simpson (Leeds, UK)

16:30  Case study 1  
Jicinska H.
16:45  Case study 2  
Abid D.
17:00  Case study 3  
Marantz P.M.
17:15  Case study 4  
Bartrons J.
17:30  Case study 5  
Clur S.A.
17:45  Discussion

Fr 16:30–18:00  Abstract Session 6: IMAGING
Blenheim Suite  
Chair: Aphrodite Tzifa (Athens, Greece), Gregor Krings (Utrecht, The Netherlands)

16:30  Liver stiffness : a new, rapid and non-invasive method of central venous pressure evaluation in patients with congenital heart disease  
Jalal Z., Iriart X., Vergnol J., Foucher J., Ghillon E., De Ledinghen V., Thambo J.-B.
16:40  The impact of age on right ventricular morphology and function late after repair of Tetralogy of Fallot: a cardiac magnetic resonance study  
16:50  Right Ventricular Systolic Function in Hypoplastic Left Heart Syndrome: A comparison of Velocity-Vector-Imaging and Magnetic Resonance Imaging  
Markkanen H., Bellsham-Revell H., Bell A., Pihkala J., Ojala T., Simpson S.
17:00  CaroVIH Study: Cardiovascular risk and ventricular function evaluation in HIV-infected children and young adults  
17:10  Diagnostic and interventional MRI catheterisation: A 10-year single centre experience  
17:20  Isovolumic Acceleration at Rest and During Exercise in Children after Heart Transplant  
Cifra B., Brun H., McCrindle B., Manhliot C., Dipchand A., Mertens L.
17:30  NEO-AORTA AND AORTIC ARCH AFTER ARTERIAL SWITCH OPERATION FOR TANSPOSITION OF GREAT VESSELS: A MORPHOMETRIC AND GEOMETRIC STUDY  
Ntsinjana H., Capelli C., Biglino G., Taylor A.M., Schievano S.
17:40  Visualisation of flowpatterns in the Fontan Circulation by 4-dimensional respiratory- and ECG-triggered phase contrast magnetic resonance imaging  

Fr 20:00–20:30  Gala dinner (pre dinner drinks reception)
King’s Suite

Fr 20:30–00:30  Gala dinner
Monarch Suite

SATURDAY 25. MAY 2013

Sa 09:00–10:30  Plenary Session: Heart Failure
Monarch Suite  
Chair: Mike Burch (London, UK), Jan Janousek (Prague, Czech Republic)

09:00  Assessment of cardiac function  
di Filippo S.
09:16  Medical treatment for heart failure in children  
Burch M.
09:32  Mechanical support  
Miera O.
09:48 Cardiac resynchronisation therapy
Janousek J.
10:04 Cardiac transplantation
Hasan A.
10:20 Discussion

Sa 09:00–10:30 Working Group Symposium – Surgery: Are the views different?
Hilton Meeting Room B
Chair: John Hess (Munich, Germany), John Mayer (Boston, USA)
Discussion Panel – Francois Godart (Lille, France), Marshall Jacobs (Philadelphia, USA)

09:00 What is the role of the cardiologist in a patient on ECMO for heart failure
Stiller B.
09:10 What is the role of the surgeon in a patient on ECMO for heart failure
Speaker to be confirmed
09:20 Discussion
09:30 Basic research from Cardiologist’s view
Nakanishi, T.
09:40 Basic research from Surgeon’s view
Mayer J.
09:50 Discussion
10:00 Should a surgical trainee rotate in a cardiology department: Why, when, how long?
Hess J.
10:10 Should a cardiology trainee rotate in a surgical department: Why, when, how long?
Ebels T.
10:20 Discussion

Sa 09:00–10:30 Abstract Session 10: GUCH
Hilton Meeting Room A
Chair: Joerg Stein (Innsbruck, Austria), Ornella Milanesi (Padua, Italy)

09:00 Reduced exercise capacity in patients operated for ventricular septal defect
Heiberg J., Laustsen S., Petersen M.K., Hjortdal V.E.
09:10 The Current and Future Profile of the Adult Single Ventricle Patient Group
Coats L., O’Connor S., Wren C., O’Sullivan J.J.
09:20 Hypoplastic Left Heart Syndrome: an audit of clinical outcomes in patients surviving beyond the age of 10 years
Körtén M., Szatmári A., Nagdyman N., Niggemeyer E., Niwa K., Peters B., Pickardt T., Schneider K.T.M., Kaemmerer H., Bauer U.M.M.
09:30 Long-term survival and functional status of adult patient with Eisenmenger Syndrome
09:40 Frequency of Miscarriage, Stillbirth and Pregnancy Termination in Women with Congenital Heart Defects in Germany, Hungary and Japan
Davidson J.R., Witter T., Fairhurst C., Gringas P., Simpson J.
09:50 Characteristics and Survival of Adult Patients with Pulmonary Arterial Disease Associated with Congenital Heart Disease: COMPERA-CHD Registry
10:00 Aortic flow abnormalities contribute to the aortopathy in bicuspid aortic valve disease
10:10 Causes of late death after paediatric cardiac surgery in patients with univentricular heart defects
Polte C., Berggren H., Sunnegårdh J.

Sa 10:30–11:00 Coffee Break, Posters and Exhibition
King’s Suite

Sa 11:00–12:30 Intervention Complications Session
Monarch Suite
Chair: Gianfranco Butera (Milan, Italy), Andreas Eicken (Munich, Germany)
Cases to be finalised by Intervention Working Group
**Sa 11:00–12:30 Joint Working Group Symposium – Prevention and Dysrhythmias: Sports and the Heart**

**Hilton Meeting Room A**

*Chair:* Eero Jokinen (Helsinki, Finland), Nico Blom (Amsterdam, The Netherlands)

11:00 Normal exercise reaction in children  
*Helbing W.*

11:20 SCD and sports  
*Blom N.*

11:40 Pre-participation screening for young athletes  
*Papadakis M.*

12:00 Impact of sports on cardiovascular health in heart patients  
*Oberhoffer R.*

12:20 Discussion

**Sa 11:00–12:30 Abstract Session 11: SURGERY**

**Hilton Meeting Room B**

*Chair:* Olivier Ghez (London, UK), Juan Comas (Madrid, Spain)

11:00 Analysis of the aortic root in Tetralogy of Fallot patients undergoing early repair: form follows function  

11:10 Hemodynamic effects of temporary right ventricular resynchronisation in children after surgery for tetralogy of Fallot  

11:20 Therapy of low cardiac output syndrome after cardiac surgery in infants and children: a double blind randomized study comparing Dobutamine and Milrinone  
*Cavigelli-Brunner A.*, *Hug M.I.*, *Dave H.*, *Cannizzaro V.*, *Baanzen H.*, *Bueki C.*, *Balmer C.*

11:30 Evaluation of potential risk factors for prolonged periods of decreased cerebral tissue oxygen saturation after the Norwood procedure for Hypoplastic Left heart syndrome  

11:40 Reintervention Rate and Aortic Valve replacement in Critical Aortic Stenosis: Comparison of Patients who Underwent Primary Surgical or Balloon Valvuloplasty  
*Carr M.*, *Iriart X.*, *Ciliberti P.*, *Sullivan I.*, *Derrick G.*, *Tsang V.*, *Bull C.*, *Marek J.*

11:50 Analysis of pre-operative condition and interstage mortality in Norwood and Hybrid procedures for Hypoplastic Left Heart Syndrome using the Aristotle scoring system  

12:00 Strategies for biventricular outflow tract reconstruction in complex forms of transposition (TGA) of the great arteries (TGA) with ventricular septal defect (VSD) and left ventricular outflow tract obstruction (LVOTO) – midterms results  
*Kramer P.*, *Ovroutski S.*, *Hübner M.*, *Alexi-Meskishvili V.*, *Hetzer R.*, *Photiadis J.*, *Berger F.*

12:10 Pulmonary artery growth and interventions after bilateral branch pulmonary arterial banding  
*Radtke W.A.K.*, *Davies R.*, *Klenk D.*, *Pizarro C.*


*Chair:* Gurleen Sharland (London, UK)

**WEDNESDAY, MAY 22 TO SATURDAY, MAY 25, 2013**

**King’s Suite**

**Posters**

**Arrhythmia/electrophysiology**

**P-1**

Flecainide failure and proarrrhythmia in pediatric supraventricular tachycardia: effectiveness and safety of different treatments  
*Corzani A.*, *Bronzetti G.*, *D’Angelo C.*, *Mariucci E.*, *Bonvicini M.*

**P-2**

Syncope in pediatric age: psychopathological profile in children with neurocardiogenic syncope  
P-3 Successful Catheter Ablation of a Concealed Superio-paraseptal Accessory Pathway along the Tricuspid Valve in a Fontan patient with extra-cardiac Conduit after Creation of a Trans-Catheter Communication
Kerst G., Schranz D., Buttgereit K., Tuzcu

P-4 Course of the Defibrillation Threshold After ICD-Implantation Using the Extracardiac Technique: Midterm Follow-up
Kriebel T., Ruschewski W., Müller M., Krause U., Sigler M., Schneider H., Paul T.

P-5 Preparticipation Screening in Europe in Competitive Athlets
Fritsch P., Flinkoessl A., Koestenberger M., Heinzl B., Rehak T., Nagel B., Gamillscheg A.

P-6 Junctional Ectopic Tachycardia after Pediatric Cardiac Surgery: Single-Center Experience from Turkey
Kiplapinar N., Odemis E., Ergul Y., Ozyilmaz I., Tandir I.C., Oztun O, Bakir I.

P-7 Left Posterior Fascicular Ventricular Tachycardia Unresponsive To Verapamil
Usta Altunyuva S., Cevik Saylan B., Cetiner N, Akalin F, Celiker A

P-8 A family with Myotonic Dystrophy (DM1) associated with Sudden Death, Long QT and a Brugada-like ECG pattern in different affected relatives
Ashcroft K., Brown E., Willcoxson F., Slack J., Cowan C., Thomson J.

P-9 Implantable Cardioverter-Defibrillator therapy in children: a single-centre 10 year experience
Saffe S., Huxstep K., Mead-Regan S., Tome-Esteban M.T., Lowe M.D., Kaski J.P.

P-10 ECG monitoring of treatment response in the rat pulmonary arterial hypertension model
Citirik D., Hallioglu O, Buyukakilli B., Gurgul S., Tasdelen B.

P-11 Left atrial inexcitability in pediatric patients with congenital lupus induced complete atrioventricular block
Abadir S., Vobecky S.J., Rohlicek C., Fournier A.

P-12 10 Years Experience of Interventional Treatment of Tachyarrhythmias in Newborns and Infants
Trunina I.I., RekawekJ., Brzezinska-Paszke M., Posadowska M., Pregowska K.

Basic science

P-17 Accurate, highly time resolved flow rate and volume quantification with multiview 3D Colour Doppler echo
Gomez A., Pushparaj K., Simpson J.M., Schaeffter T., Penney G.P.

P-18 To fenestrate or not: a computational model as decision support for Fontan palliation
Koeken Y., Lumens J., Arts T., Delhaas T.

P-19 Changes of potassium channel gene expressions after human umbilical cord blood derived mesenchymal stem cells transfusion in pulmonary hypertension rat models
Hong Y.M., Lee H.R., Kim K.C., Yang Y.S., Oh W.J., Choi S.J.

P-20 The increased serum levels of Interleukin-21 in Kawasaki disease
Lee H.-Y.

End-stage heart and lung disease

P-21 Safety and early outcomes using a different induction therapy protocol in low and high-risk recipients in paediatric hearts transplantation

P-22 Effect of bosentan therapy on ventricular and atrial function in adults with congenital heart disease and Eisenmenger syndrome. A prospective, multi-center study using conventional and Speckle tracking echocardiography
Infections in Children with Left Ventricular Assist Device (LVAD): The Experience of Ege University Hospital
Sen S., Sahbudak Z., Vardar F., Ulger Z., Engin C., Ozbaran M.

Cardiomyopathy in a pediatric population: Key results from 10 years

Genetic Origin Cardiomyopathies in a Pediatric Cohort

Arterial stiffness determination by oscillometric method in children treated with anthracyclines for malignant disease
Herceg-Cavrak V., Ahel V., Roganovic J.

Endocardial fibroelastosis in the current era: associated congenital heart disease and outcome

Fetal cardiology

Assessment of Fetal Cardiac Function in Fetuses of Pre-eclamptic Mothers
Ballı S., Kibar A.E., Ece İ., Oflaz M.B., Yılmaz O.

Agenesis of ductus venosus: what's the real clinical relevance?
Ferrer Q., Gonzalez F., Gran F., Albert DC., Arévalo S., Prats P., Comas C., Casaldaíla J., Carreras E.

Antenatal diagnostic spectrum and early postnatal outcome of conjoined twins
Mota C.C., Capurro A.C., Brum A.P., Valadares L.C., Lana A.M.A.

Atroventricular block (AVB): antenatal diagnosis and late postnatal follow-up
Mota C.C., Valadares L.C., Brum A.P., Capurro A.C.B.

Prediction of neonatal surgery or catheter based therapy in fetuses with congenital heart defects: Fetal Echocardiographic Score
Griñenco S., Marantz P., Pestchanker F., Izbizky G.

Prenatal diagnosis of coartation of the aorta
Marantz P., Griñenco S., Saenz Tejera M., García Guevara C., Nicoloso L.H., Zielinsky P.

Vascular Rings: prenatal diagnosis and implication on postnatal treatment
Tuo G., Sacco O., Ribera E., Marasini M.

Impact of antenatal diagnosis on outcomes of neonates with Hypoplastic Left Heart Syndrome

Prenatal cardiac tumors: spectrum and outcome
Toměk V., Škovránek J., Gilík J., Krupicková S., Petrák B., Janoušek J.

Electrophysiologic features of fetal ventricular aneurysms and diverticula

Interrupted inferior vena cava in fetuses with omphalocele. Case series and review of the literature
Mlczoch E., Carvalho J.S.

Impact of team preparation and procedure technique on outcome of the foetal balloon aortic valvuloplasty
Kolesník A., Dębska M., Dębski R., Szymkiewicz-Dangel J.

Antenatal and postnatal right isomerism of the atrial appendages in a 20-year single institution experience

General paediatric cardiology

Different hemodynamic patterns in head-up tilt test in 400 pediatric cases with unexplained syncope
Yozgat Y., Doksoz O., Ozdemir R., Karaarslan U., Oner T., Guven B., Karadeniz C., Mese T.

Short-Term Efficacy of Oral Rehydration Salts and Propranolol Treatment in Pediatric Patients Showing Orthostatic Intolerance Symptoms During Head Up Tilt Test
Yozgat Y., Karaarslan U., Doksoz O., Ozdemir R., Guven B., Karadeniz C., Mese T.
Evaluation of Myocardial Functions in Children Receiving Anthracyclines
Yozgat Y., Okutan V., Atay A.A., Kurekci A.E., Lenk M.K., Karaaslan U., Ozcan O.

The Aortic Valve Index as a predictor of a reoperation after Interrupted Aortic Arch (IAA) and Ventricular Septal Defect (VSD) one-stage surgery
Okrasa K., Sysa-Dedecjus A., Dryzek P., Ostrowska K., Moll J.

Rhizomelic chondrodysplasia punctata and cardiac pathology

Evaluation of 316 Children with Acute Rheumatic Fever: A Single Center Study From Turkey
Ekici F., Şenkon O.G., çetin İ.I., Kocabȧş A., Eminoɻɢlu S., An M.E., Arhan E.P.

High Anxiety and Depression Scores in School-aged Children Defining Syncope Together with Cardiac Symptoms
Soydan E., çetin İ.I., Öztürk Ö., Ekici F., Kocabȧş A., Eminoɻɢlu S., An M.E., Saylı T.R.

Cardiovascular Dysfunction and Pulmonary Edema in Children with Scorpion Envenomation: A Report of 5 Patients
Sahin M., Sahin A.S.

Assessment of cardiac functions in patient with Trisomy 21
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Dave H., Kuhn E., Fierling R., Schweiger M., Romanchenko O., Quandt D., Huebler M.

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Dave H., Balmer C., Valsangiacomo E., Knirsch W., Pretre R., Huebler M.