

Cardiology in the Young

Cardiology in the Young
45th Annual Meeting of the Association for
European Paediatric Cardiology, AEPC
with joint sessions
with the Japanese Society of Pediatric Cardiology
and Cardiac Surgery
Granada, Spain, May 18–21, 2011



Supplement Editor:
Dr. Maria del Mar Rodríguez Vázquez del Rey
Servicio de Pediatría
Hospital Universitario Virgen de Las Nieves
Granada, Spain

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Cardiology in the Young

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Kisaburo Sakamoto

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Opening hours

Wednesday	18.05.2011	07:30–18:30
Thursday	19.05.2011	07:30–18:30
Friday	20.05.2011	07:30–18:30
Saturday	21.05.2011	08:00–14:00

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Granada Congress & Exhibition Centre,

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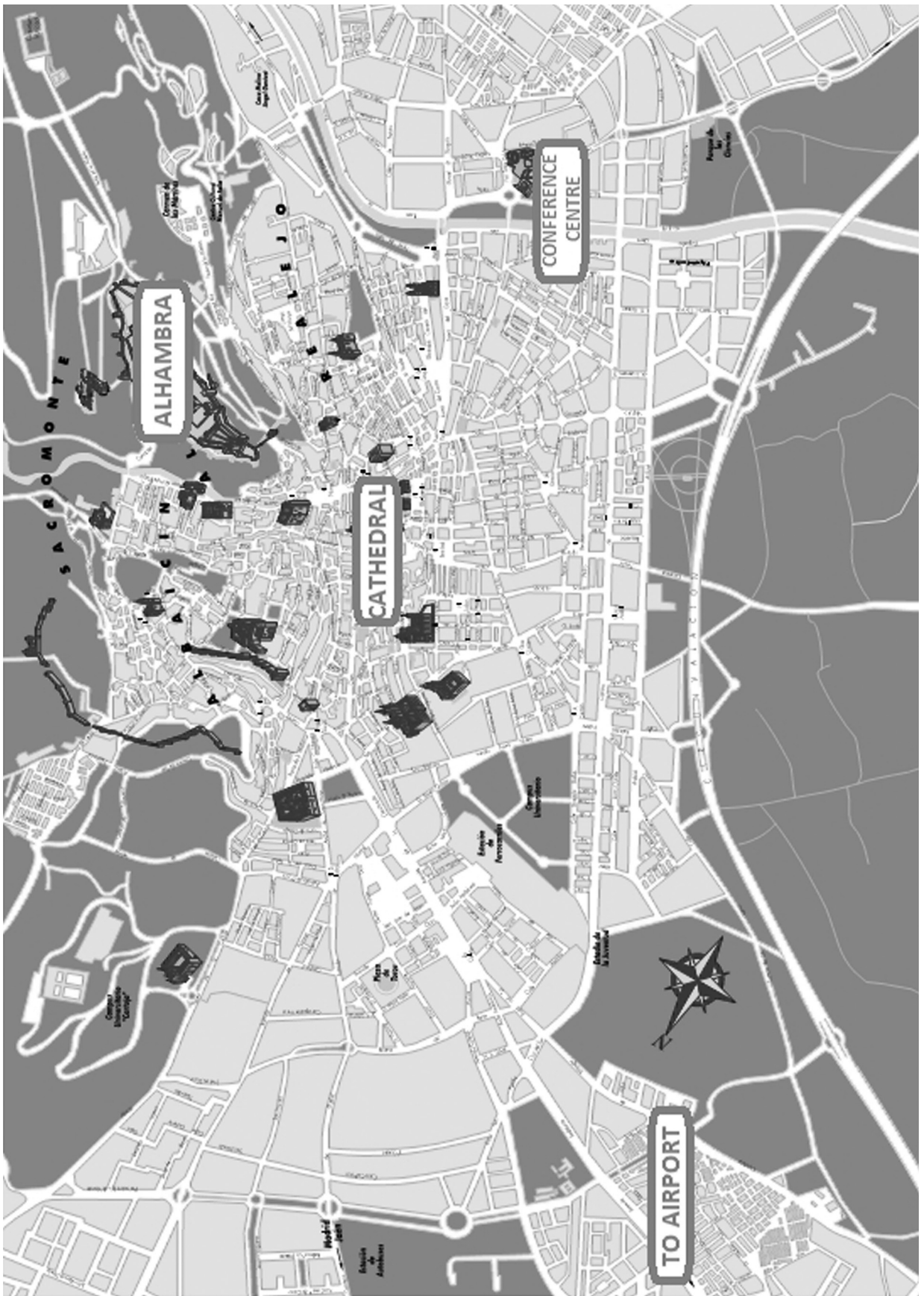
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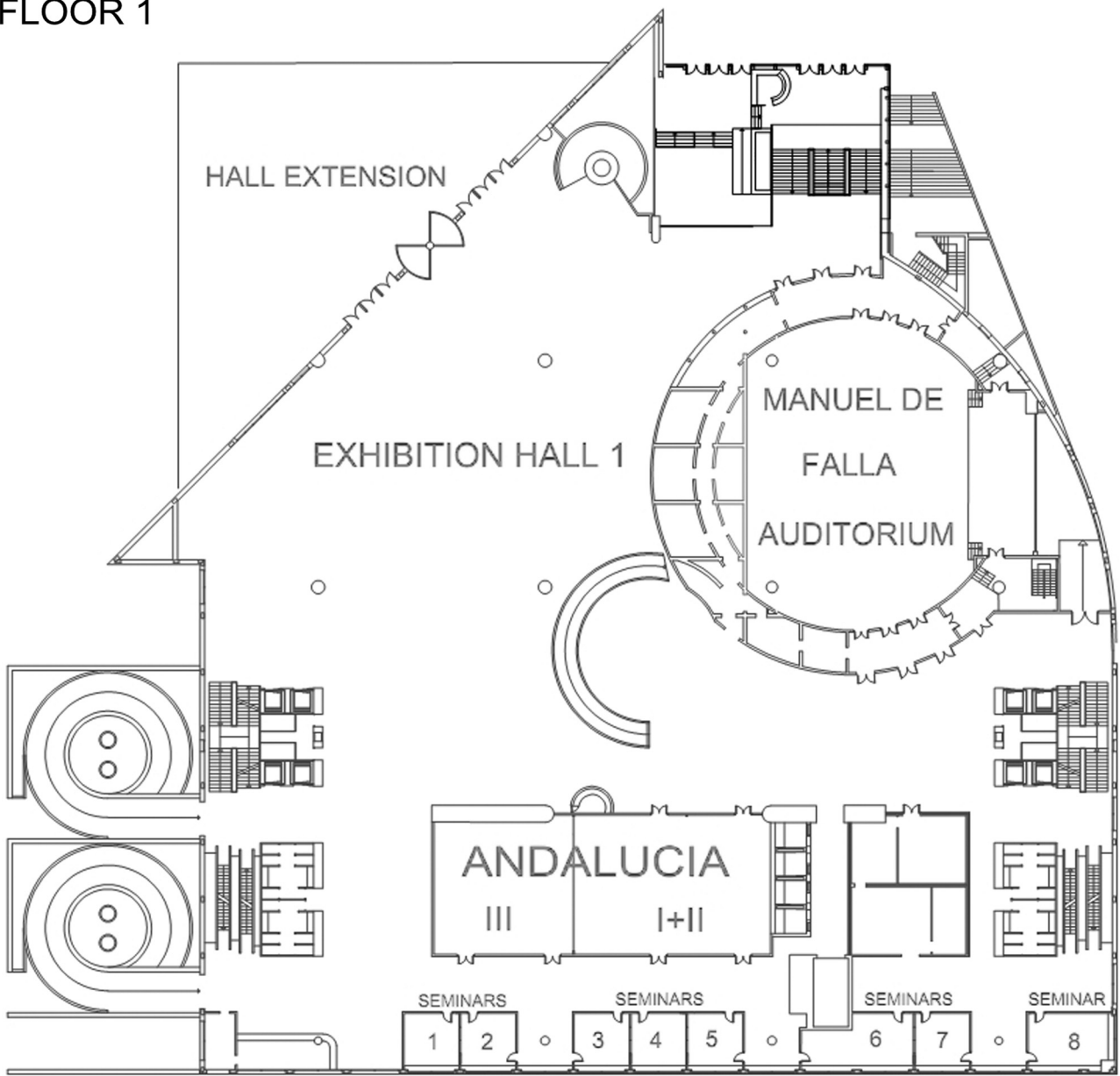
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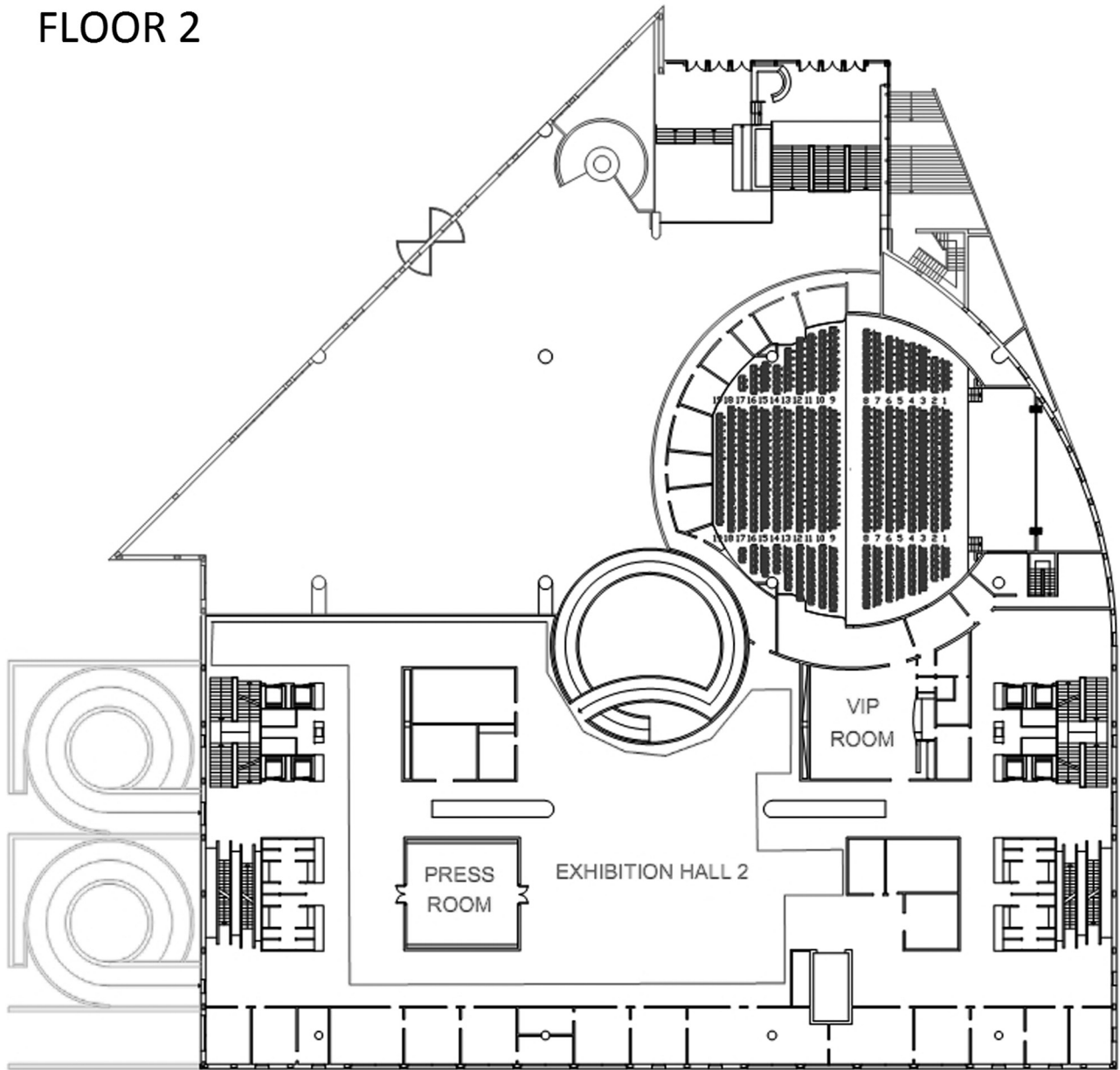
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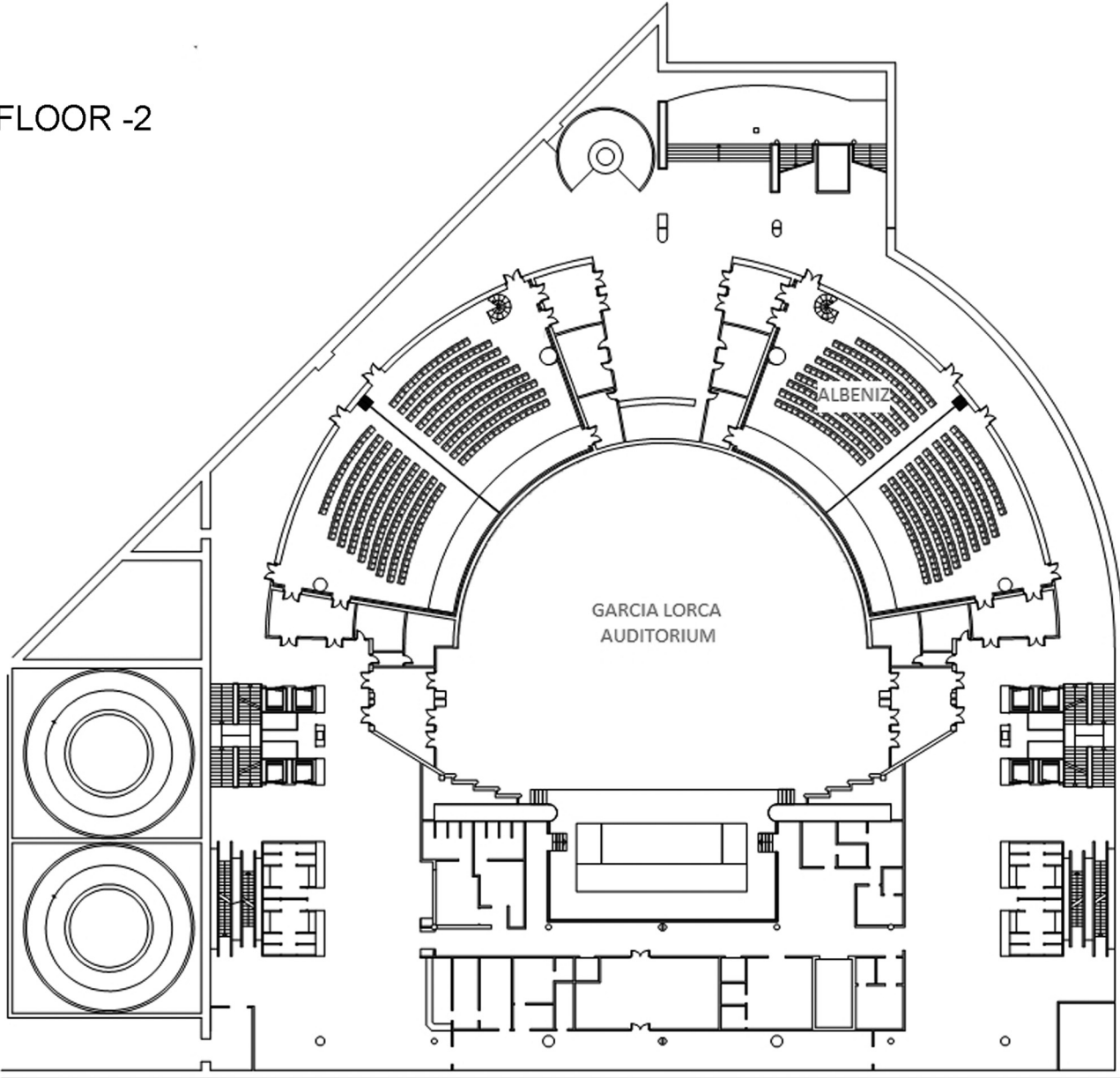
FLOOR 1



FLOOR 2



FLOOR -2



Agenda

AEPC Business Meeting Granada

Manuel de Falla Auditorium, Thursday, 19 May, 2011
18:00–20:30

1. Welcome address by the President (Shak Qureshi)
2. Obituary
3. Report of the President (Shak Qureshi)
4. Report of the Secretary-General (E. Jokinen)
5. Report of the Scientific Secretary (J. deGiovanni)
6. Report of the Treasurer (J. Stein)
7. New name of the Association (E. Jokinen)
8. Amendments in the Constitution (E. Jokinen)
9. News from the Working Groups
 - Cardiac Dysrhythmias and Electrophysiology N. Blom
 - Fetal Cardiology M. Melander
 - Basic Genetics of Congenital Heart Defects I. Frohn-Mulder
 - Pediatric Cardiovascular Intensive Care E. Lechner
 - Cardiac Imaging J. Marek
 - Interventional Cardiology G. Brzezinska-Rajszyz
 - Cardiovascular Morphology A. Angelini
 - Congenital Heart Surgery B. Maruszewski
 - Psycho-Social care from fetus to adult F. Casey
 - GUCH Task Force A. Szatmári
 - Preventive Cardiology
10. Report from the Advisory Board/National Delegates (E. Jokinen)
11. Introduction of New Members (E. Jokinen)
12. Replacement of Council member (E. Jokinen)
13. Future Meetings:
 - 2012 Istanbul
 - 2013 London
 - 2014 Helsinki
14. Other business?

ADDENDUM:

7. **The Council proposes that the name of the Association should be changed to**

Association for European Paediatric and Congenital Cardiology (AEPC)
Association Européenne de Cardiologie Pédiatrique et Congénitale. (AEPC)

The current name is

Association for European Paediatric Cardiology (AEPC)
Association Européenne de Cardiologie Pédiatrique (AEPC)

#8. **The council proposes following changes in the Constitution**

a) The Council proposes that the following sentence should be added in the Constitution

“When deemed appropriate by the AEPC Council, the Council will have the right, by majority vote, to co-opt additional members on to the Council to represent specific subspecialty groups (not already represented on the Council) for a maximum period of 3 years.”

b) “Chairman of the Educational Committee shall be an ex-officio member of the Professional Advisory Committee”

WEDNESDAY 18 MAY 2011

HALL	ALBENIZ HALL	PRESS ROOM	SEMINAR 8	GARCIA LORCA	EXHIBITION HALL 1
8:00 AM					
8:30 AM	UPDATE INTERVENTION COURSE Shunts	National Delegates Meeting	Scientific Advisory Committee		
9:00 AM					
9:30 AM					
10:00 AM	UPDATE INTERVENTION COURSE The Right Heart				
10:30 AM					
11:00 AM					
11:30 AM					
12:00 PM					
12:30 PM	Lunch break				
1:00 PM					
1:30 PM					
2:00 PM	UPDATE INTERVENTION COURSE CoAo and Hybrid	Coding Committee	Professional Advisory Committee		
2:30 PM					
3:00 PM					
3:30 PM					
4:00 PM					
4:30 PM					
5:00 PM					
5:30 PM					
6:00 PM					
6:30 PM					
7:00 PM					
7:30 PM					
8:00 PM					
8:30 PM					
				Opening Ceremony Mannheimer Lecture	
					Welcome Reception and Industry Exposition Opening

THURSDAY 19 MAY 2011				
HALL	MANUEL DE FALLA	ANDALUCIA I+II	ANDALUCIA III	ANDALUCIA I
8:00 AM				
8:30 AM	Bus. Sess. Dysrhythmias	Bus. Sess. Fetal	Bus. Sess. Imaging WG	Bus. Sess. Morphology
9:00 AM	WG BSG Volume loaded RV			
9:30 AM				
10:00 AM				
10:30 AM	Poster walk 1	Coffee, exhibition	Poster walk 2	
11:00 AM				
11:30 AM	WG Fetal/Morphology APIVS	WG Imaging Current imaging techniques	Abstract Session GUCH	
12:00 PM				
12:30 PM				
1:00 PM	Lunch break	Industry Symposium	Lunch break	
1:30 PM				
2:00 PM				
2:30 PM	Pulmonary hypertension	Abstract Session Fetal	Abstract Session BSG	Anatomic exhibition 1 Anatomy for interventionists
3:00 PM				
3:30 PM				
4:00 PM		Coffee, exhibition		
4:30 PM	WG Disrhythmia Tachycardias	Abstract Session Intervention	Abstract Session Surgery and Intensive Care	Nurses Role
5:00 PM				
5:30 PM				
6:00 PM				
6:30 PM				
7:00 PM	AEPC Business meeting			
7:30 PM				
8:00 PM				
8:30 PM				

SATURDAY 21 MAY 2011			
HALL	MANUEL DE FALLA	ANDALUCIA I+II	ANDALUCIA III
8:00 AM			
8:30 AM			
9:00 AM	WG Intervention/Surgery AP/VSD/MAPCAS	WG fetal Puzzle the Experts	Abstract Session End Stage Failure
9:30 AM			
10:00 AM			
10:30 AM	Coffee, exhibition and posters		
11:00 AM	Interventional WG Failures and Successes	WG Disrhythmia Devices	Abstract Session General Cardiology 2
11:30 AM			
12:00 PM			
12:30 PM	KEYNOTE CLOSING LECTURE		
1:00 PM	CLOSING REMARKS		
1:30 PM			
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May 18–21, 2011*

SCIENTIFIC PROGRAMME

WEDNESDAY, MAY 18, 2011

8:30–15:30
Albeniz Hall

UPDATE INTERVENTION COURSE

08:30–10:15
Albeniz Hall

Update Intervention Course: Shunts

Chair: Mario Carminati (Milano, IT), Maarten Witsenburg (Rotterdam, NL)

08:30

Introduction

08:45

Challenging arterial ducts

Nikolaus Haas

09:05

Difficult ASDs

John Thomson

09:25

Complex VSDs

Gianfranco Butera

09:45

Other shunts

Fredy Prada

10:15–10:45
Dining Hall

Coffee break

10:45–12:30
Albeniz Hall

Update Intervention Course: The right heart

Chair: Shakeel Qureshi (London, UK), Marc Gewillig (Leuven, BE)

10:45

Introduction

11:00

PA stenosis

Caroline Ovaert

11:20

Palliative pulmonary blood flow: Neonatal duct stenting (not in HLHS)

Dietmar Schranz

11:32

Palliative pulmonary blood flow: Stent expansion of shunts

Derize Boshoff

11:44

Palliative pulmonary blood flow: RVOT stenting in neonates

Ingo Daehnert

11:56

Percutaneous pulmonary valve implantation

Andreas Eicken

12:30–13:45
Dining Hall

Lunch

13:45–15:30
Albeniz Hall

Update Intervention Course: CoAo and hybrid

Chair: Jo de Giovanni (Birmingham, UK), Grazyna Brzezinska-Rajszyk (Warsaw, PL)

13:45

Introduction

14:00

Coarctation: Simple coarctation

Rui Anjos

14:20 Coarctation: Complex aortic narrowing
Maria Zubrzycka

14:40 Hybrid procedures in HLHS
Ina Michel-Behnke

15:00 Outlook on new procedures
Peter Ewert

9:00–12:30
Seminar 8 **Scientific Advisory Committee**

14:00–16:00
Press room **Coding Committee**

9:00–12:30
Press room **National Delegates Meeting**

14:00–16:00
Seminar 8 **Profesional Advisory Committee**

16:00–18:00
Garcia Lorca **Opening Ceremony**
Chair: Ramón Bermudez-Cañete (Madrid, ES)
Chair: Maria del Mar Rodríguez (Granada, ES)

16:00 Mannheim lecturer
Charles E. Mullins

18:00–20:00
Exhibition Hall 1 **Welcome reception**

THURSDAY, MAY 19, 2011

08:00–09:00
Andalucia III room **WG Business Meeting: Cardiac Imaging**

08:00–09:00
Manuel de Falla **WG Business Meeting: Cardiac Dysrhythmia and Electrophysiology**

08:00–09:00
Press room **WG Business Meeting: Cardiovascular Morphology**

08:00–09:00
Andalucia I+II room **WG Business Meeting: Fetal Cardiology**

08:00–09:00
Seminar 8 **WG Business Meeting: Paediatric cardiovascular Intensive care**

09:00–10:30
Manuel de Falla **The volume loaded RV**
Chair: Antonia Pijuan (Barcelona, ES), Beatrijs Bartelds (Groningen, NL)

09:00 RV development and remodeling
Adriana Gittenberger de Groot

09:15 RV adaptation to volume load
Beatrijs Bartelds

09:30 The role of the LV in RV volume load: LV/RV interactions
Toshio Nakanishi

09:45 How big is too big?—clinical assessment of the volume loaded RV
Marina Hughes

10:00 Round table discussion

10:30–11:30
Exhibition Hall 1 **Coffee Break, Exhibition**

10:30–11:30
Exhibition Hall 1 **Poster Walk 1**

10:30 Stent recanalization of occluded iliofemoral and inferior cava veins in children
PW1-1 with congenital heart disease: Acute and mid-term results
Álvarez Fuente M., Zunzunegui J.L., Ballesteros F., Rodríguez Ogando A., Camino M., Maroto E.

- 10:35
PW1-2 Double wire/double balloon/single stent delivery technique broadens interventional possibilities in challenging targets
Gewillig M., Boshoff D.E., Cools B., Louw J.J., Vanagt W., Eyskens B., Heying R., Budts W.
- 10:40
PW1-3 Percutaneous Fenestration Closure using the Amplatzer Ductus Occluder II – Increasing the Experience
Granja S., Vazquez M.C., Centeno M., Medrano C., Álvarez T., Ballesteros F., Maroto E., Zunzunegui J.L.
- 10:45
PW1-4 Percutaneous pulmonary valve replacement in bovine jugular vein grafts (Contegra™) – Anything fancy?
Kretschmar O., Dave H., Prêtre R., Knirsch W.
- 10:50
PW1-5 Growth of the Right Ventricle following an Aggressive Approach to Catheter Valvotomy in Pulmonary Atresia with Intact Ventricular Septum
Chubb H., Pesonen E., Sivasankaran S., Simpson J.M., Krasemann T., Rosenthal E., Tibby S.M., Qureshi S.A.
- 10:55
PW1-6 Percutaneous treatment of aortic isthmus atresia: use of radiofrequency perforation and covered stents
Butera G., Heles M., McDonald ST., Papa M., Piazza L., Chessa M., Micheletti A., Negura D., Arcidiacono C., Bussadori C., Carminati M.
- 11:00
PW1-7 Does presence of ventricular septal defect influence survival after arterial switch operation for transposition of the great arteries?
Mussa S., Stickley J., Barron D.J., Jones T.J., Brawn W.J.
- 11:05
PW1-8 Does neonatal cardiac surgery influence the balance between vasodilative and vasoconstrictive mediators?
Marcinkowski V., Schumacher K., Terrada E., Buding B., Vazquez-Jimenez J., Seghaye M-C
- 11:10
PW1-9 Propofol effect on cerebral oxygenation and cardiac output in children with congenital heart defects before cardiac catheterization
Fleck T., Nagdyman N., Schubert S., Ewert P., Stiller B., Berger F.
- 11:15
PW1-10 Fluctuations of Intraoperative Near Infra Red Spectroscopy During Neonatal and Infant Congenital Heart Surgery According to Defect Physiology, Bypass and Modified Ultrafiltration
Gottschalk U., Osse J., Eulenburg C., Goepfert M., Wendt U., Reichenspurner H., Dodge-Khatami A.
- 11:20
PW1-11 Home surveillance program clearly reduces interstage mortality after the Norwood operation for patients with Hypoplastic left heart syndrome
Furck A.K., Hansen J.-H., Petko C., Buchholz-Berdau R., Scheewe J., Kramer H.H.
- 11:25
PW1-12 Branch pulmonary artery flow reversal: Does it correlate with valve leak?
Gist K., Panwar S., Landeck B., Mitchell M.

**10:30–11:30
Exhibition Hall 1**

Poster Walk 2

- 10:30
PW2-1 Acquired Right Ventricle Outflow Tract Obstruction in Twin-Twin Transfusion Syndrome
Alvarez T., Marcos C., Antolin E., Perez Pacheco R., Ballesteros F., Zunzunegui J.L., Maroto E.
- 10:35
PW2-2 Outcome of Hypoplastic Left and Right Heart Syndrome (HLHS and HRHS) after antenatal diagnosis in South Wales over a seven year period
Uzun O., Neenakantan G., Sinha A.
- 10:40
PW2-3 Aortic Stenosis and Severe Mitral Regurgitation in the Fetus Resulting in Giant Left Atrium and Hydrops: Pathophysiology, Outcomes, and Preliminary Experience with Prenatal Cardiac Intervention
Vogel M., McElhinney D.B., Wilkins-Haug L., Marshall A., Benson C.B., Lock J.E., Schranz D., Tworetzky W.
- 10:45
PW2-4 Natural course of right ventricular dilation in severe pulmonary regurgitation after repair of tetralogy of Fallot
Navarini S., Moccetti M., Kellenberger Ch., Valsangiacomo Buechel E.R.
- 10:50
PW2-5 Endothelial function in Kawasaki patients
Paramés F., Cortez-Dias N., Freitas I., Mota-Carmo M, Ferreira R.C., Pinto F.F.
- 10:55
PW2-6 Echocardiographic Assessment of Right Ventricular Volumes: A Comparison of Different Techniques in Children after Surgical Repair for Tetralogy of Fallot
Dragulescu A., Grosse-Wortmann L., Fackoury C., Riffle S., Waiss M.-P., Jaeggi E., Yoo S.J., Friedberg M.K., Mertens L.

- 11:00
PW2-7 Ventricular flow dynamics in hypoplastic left heart: useful insights from patient specific computer modelling
de Vecchi A., Bellsham-Revell H., Smith N., Simpson J.M., Razavi R., Greil G.
- 11:05
PW2-8 Right ventricular systolic function after Tetralogy of Fallot repair revisited: Does the outflow tract matter?
Alghamdi M.H., Mertens L., Lee W., Yoo S.J., Grosse-Wortmann L.
- 11:10
PW2-9 Development and validation of a novel automated learning based algorithm for quantification of MRI right ventricular volume in Tetralogy of Fallot
Spevak P.J., Ionasec R., Mansi T., Holmes K., Pongiglione G., Everett A.
- 11:15
PW2-10 New Steady State Submaximal Exercise Test during Cardiovascular Magnetic Resonance – First Results in Healthy Volunteers
Steinlechner E., Fratz S., Rieger H., Meierhofer C., Hager A., Mueller J., Martinoff S., Hess J., Stern H.
- 11:20
PW2-11 Safety and Clinical Utility of Cardiovascular Magnetic Resonance in Neonates with Congenital Heart Disease
Schaetzle B., Kellenberger C.J., Schmitz A., Hug M., Valsangiacomo Buechel E.R.
- 11:25
PW2-12 Selective pulmonary venous flow visualization and quantification by flow-sensitive four-dimensional cine magnetic resonance imaging facilitates and improves the accurate diagnosis of partial anomalous pulmonary venous drainage
Nordmeyer S., Berger F., Kuehne T., Riesenkampff E.
- 11:30–13:00**
Manuel de Falla **PAIVS—new aspects on fetal diagnosis and management**
Chair: Sally Ann Clur (Amsterdam, NL), Monique Jongbloed (Leuven, NL)
- 11:30 Epidemiology of critical PS and PAIVS: overview of prevalence, diagnosis, management and outcome
Piers Daubeney
- 11:45 Morphological variance and secondary heart field: role of the coronary circulation in determining surgical management
Adriana Gittenberger de Groot
Managing the fetus and neonate with critical PS or PAIVS: appropriate selection of cases for a univentricular or biventricular circulation
- 12:00 The cardiologist's approach
Björn Söderberg
- 12:15 The surgeon's approach
Christian Schreiber
- 12:30 Round table discussion
- 11:30–13:00**
Andalucia I+II room **Imaging Modalities – Current and future blessings**
Chair: Jan Marek (London, UK), Ornella Milanese (Padua, IT)
- 11:30 When and which modality I use in clinical practice
John Simpson
- 11:45 Deformation techniques – concept, value and pitfalls
Andreea Dragulescu
- 12:00 Future developments: 3D wall tracking, MRI tagging, 4D flow
Philipp Beerbaum
- 12:15 CMR-helpful, indispensable but it is always right?
Joachim Eichhorn
- 12:30 Round table discussion
- 11:30–13:00**
Andalucia III room **Abstract Session 1 GUCH**
Chair: Erik J. Meijboom (Laussane, CH), Koichiro Niwa (Tokyo, JP)
- 11:30
O1-1 Quality of Life, Psychosocial Adjustment, Psychiatric Morbidity, School Performance, Physical Limitations and Social Support in Adolescents and Young Adults with Congenital Heart Disease: How these variables play together?
Teixeira F., Coelho R., Proença C., Silva A.M., Vieira D., Vaz C., Moura C., Viana V., Areias J.C., Areias M.E.G.
- 11:42
O1-2 Sense of coherence in adolescents with congenital heart disease in the transition to adulthood
Goossens E., Loiacono A., Luyckx K., Gewillig M., Budts W., Moons P.

- 11:54
O1-3 Transition from pediatric cardiology to GUCH—information from the Swedish National Registry SWEDCON
Björkhem G., Thilén U.
- 12:06
O1-4 Risk stratification for congenital heart surgery in adults – Are the Aristotle Complexity score models appropriate?
Hörer J., Vogt M., Brenguier V., Rau M., Wottke M., Cleuziou C., Prodan Z., Kasnar-Samprec J., Schreiber C., Lange R.
- 12:18
O1-5 Pulmonary Arterial Hypertension in adults with Isolated Atrial Septal Defects
Roofthoof M.T.R., Bartelds B., Pricker K., Kerstjens-Frederikse W.S., Vos Y.J., Meijboom F.J., Berger R.M.F.
- 12:30
O1-6 Assessment of transient elastography (FibroScan®) and liver function in patients with Fontan circulation
Donner B.C., Yazdi S.F., Bohnen K., Kircheis G., Oh J., Donner M.G., Häussinger D., Schmidt K.G.
- 12:42
O1-7 Neo-aortic root in children with transposition of the great arteries (TGA) after arterial switch operation (ASO)
Michalak K.W., Moll J.A., Mludzik K., Moll M., Moszura T., Kopala M., Moll J.J.

13:00–14:30
Exhibition Hall 2

Lunch

14:30–16:00

Pediatric pulmonary hypertension: What are we doing and what should be done to improve the outcome of these patients?

Manuel de Falla

Chair: Ornella Milanese (Padua, IT), Oliver Miera (Berlin, DE)

- 14:30 The value of a register for orphan diseases
Maurice Beghetti
- 14:45 Organization of care: The UK National Service for Pulmonary Hypertension in Children: organisation of care, results of drug treatments, areas of research
Ingram Shulze-Neick
- 15:00 Spanish register for pediatric pulmonary hypertension: REHIPED
Maria Jesus del Cerro (Pulmonary Circulation Working Group, SECPCO)
- 15:15 Paediatric pulmonary hypertensive vascular disease: Suggestion for a novel paediatric classification
Ian Adatia
- 15:30 Round table discussion

14:30–16:00
Andalucia III room

Abstract Session 2 Genetics and Basic Science of Congenital Heart Disease

Chair: Patrice Bouvagnet (Lyon, FR), Constancio Medrano (Madrid, ES)

- 14:30
O2-1 Shox2 in Pacemaker and Epicardial Development
Hahurij N.D., Blom N.A., Meijlink F., Mahtab E.A.F., Wisse L.J., Bökenkamp R., Kolditz D.P., Schalij M.J., Poelmann R.E., Jongbloed M.R.M., Gittenberger-de Groot A.C.
- 14:42
O2-2 Wall shear stress in the ascending aorta in patients with bicuspid aortic valves differs significantly from tricuspid aortic valves
Meierhofer C., Schneider E.P., Lyko C., Martinoff S., Markl M., Hess J., Stern H., Fratz S.
- 14:54
O2-3 Array-CGH based detection of genomic imbalances in patients with heart defects as part of complex syndromes
Arndt A.-K., Klopocki E., Siebert R., Mundlos S., Kramer H.-H., Klaassen S., Caliebe A.
- 15:06
O2-4 Prevalence of mutations in the RAS/MAPK signalling pathway in pre-adolescent children with hypertrophic cardiomyopathy
Kaski J.P., Syrris P., Tartaglia M., Shaw A., Alapi K., Tome-Esteban M.T., Jenkins S., Ashworth M., Hammond P., McKenna W.J., Elliott P.M.
- 15:18
O2-5 Hypothermia suppresses inflammation via NF κ B and pSTAT3 signalling pathway in stimulated microglial cells
Krauss A., Wollersheim S., Soltani P., Tong G., Berger F., Schmitt K.R.L.
- 15:30
O2-6 Infection-Induced Coronary Dysfunction and Systemic Inflammation in Piglets Are Dampened in Hypercholesterolemic Milieu
Liuba P., Birck M.M., Pesonen E., Odermarsky O., Hansen A.K., Frikke-Schmidt H., Heegaard P.

- 15:42 Spontaneous baroreflex sensitivity in adult rats hypoxic neonatally
O2-7 *McIntosh M., Rohlicek C.V.*
- 14:30–16:00**
Andalucía I+II room
- Abstract Session 3 Fetal Cardiology**
Chair: Helena Gardiner (London, UK), Joanna Dangel (Warsaw, PL)
- 14:30 Ebstein's anomaly and tricuspid valve dysplasia: prognosis after diagnosis in utero
O3-1 *Barre E., Durand I., Hazelzet T., Cuillier F., Cohen L., Poinot J., Vaillant MC., Blaysat G., Bourges Petit E., Maingourd Y., Vaksman G., David N.*
- 14:42 Prenatal diagnosis of complex congenital heart disease – success and outcome: A 28-year retrospective study
O3-2 *Mivelaz Y., Lim K.I., Cender L.M., Duncan W.J., Tessier F., Sinclair B.G., Farquharson D.F., Barlow A.J., Mayer C., Skoll A.M., Potts J.E., Sandor G.G.S.*
- 14:54 Features and outcomes of cases with laterality defects diagnosed in fetal life
O3-3 *Fesslova V., Brankovic J.*
- 15:06 Comparison of Transplacental Treatment of Fetal Supraventricular Tachyarrhythmia with Digoxin, Flecainide and Sotalol: Results of a Non-randomized Multicenter Study
O3-4 *Jaeggi E., Carvalho J.S., de-Groot E., Api O., Clur S.-A., McCrindle B., Rammeloo L., Manlhiot C., Blom N.A.*
- 15:18 Critical aortic stenosis at risk of hypoplastic left ventricle: has the time come for in utero fetal intervention?
O3-5 *Marantz P., Peña G., Aiello H., Trentacoste L., Granja M., Izbizki G., Azancot A., Otaño L.*
- 15:30 Postnatal left ventricular performance in prenatally treated patients with critical aortic stenosis and endocardial fibroelastosis
O3-6 *Tulzer G., Arzt W., Wertaschnigg D., Gitter R., Mair R.*
- 15:42 Fetal coarctation of the aorta – can we predict who needs surgery?
O3-7 *Jowett V., Jowett V., Aparicio P., Seale A., Jicinska H., Gardiner H.M.*
- 14:30–16:00**
Press room
- Anatomic exhibition 1: “Cardiac anatomy for interventionalists”**
Chair: Adriana Gittenberger De Groot (Leiden, NL)
Annalisa Angelini
Georgia Sarquella Brugada
- 16:00–16:30**
Exhibition Hall 1
- Coffee Break, Posters and Exhibition**
- 16:30–18:00**
Manuel de Falla
- Management of tachycardias in children with structurally normal hearts**
Chair: Lazlo Korneyi (Budapest, HU), Jan Janousek (Prague, CZ)
- 16:30 Asymptomatic WPW syndrome
Luis Tercedor
- 16:45 Chronic supraventricular tachycardias
Fabrizio Drago
- 17:00 VT in structurally normal hearts
Naokata Sumitomo
- 17:15 Should every LQTS gene carrier be treated with beta blockers?
PRO
Nico Blom
- 17:30 CONTRA
Andreas Pflaumer
- 17:45 Round table discussion
- 16:30–18:00**
Andalucía I+II room
- Abstract Session 4 Interventional Cardiology**
Chair: Andreas Eicken (Munich, DE), Rui Anjos (Lisbon, PT)
- 16:30 Percutaneous pulmonary valve implantation versus surgical implantation/replacement in patients with right ventricular outflow tract dysfunction
O4-1 *Dilber D., Eicken A., Hager A., Fratz S., Hörer J., Malcic I., Hess J.*
- 16:42 Benefits of Stenting the Arterial Duct following Catheter Valvotomy for Pulmonary Atresia with Intact Ventricular Septum
O4-2 *Chubb H., Simpson J.M., Krasemann T., Tibby S.M., Rosenthal E., Qureshi S.A.*

- 16:54
O4-3 Mid term outcome of arterial duct stenting: results of a multicentre study
Milanesi O., Russo M.G., Maschietto N., Marrone C., Gaio G., Calabrò R., Stellan G., Vida V.L., Padalino M.A., Santoro G.
- 17:06
O4-4 Wire fractures in Solysafe® Septal Occluders—a single center experience
Riede F.T., Gielen S., Schuler G., Dähnert I.
- 17:18
O4-5 Premounted low profile (PLP) Stents reexpandable with over size balloons to double its original diameter. An “In vitro” evaluation study of new vascular Stents before its use in Infancy
Mortera C., Carretero J., Prada F.
- 17:30
O4-6 Endovascular stenting in transverse aortic arch hypoplasia
Pushparajah K., Sadiq M., Brzezinska-Rajszyz G., Thomson J., Rosenthal E., Qureshi S.A.
- 17:42
O4-7 Non-invasive Cardiac Output Monitoring during Catheter Interventions in Patients with Cavo-pulmonary Circulations
Stumper O., Noonan P., Chambers A., Viswanathan S.

16:30–18:00

Andalucia III room

Abstract Session 5 Surgery and Intensive Care

Chair: Evelyn Lechner (Linz, AT), Juan Miguel Gil Jaurena (Málaga, ES)

- 16:30
O5-1 Perioperative Uncontrolled Pulmonary Hypertension Alters Long-Term Function And Durability Of Right-Sided Homografts Implanted In Ross And Non-Ross Patients
Kalfa D., Loundou A., Nouaille de Gorce Y., Fraise A., Metras D., Macé L., Kreitmann B.
- 16:42
O5-2 Patient age influences neo-aortic root dimensions and aortic regurgitation following the Ross operation in children
Hörer J., Kasnar-Samprec J., Stierle U., Bogers A.J.J.C., Hemmer W., Hetzer R., Sievers H.H., Lange R.
- 16:54
O5-3 Right Ventricular Outflow Reconstruction With Injectable Valve
Marianeschi S.M., Ghiselli S., Amodeo A., Suleymann O., Comas J.V., Santoro F., Lamas M.J., Parry E., Abruzzese P., Solana R., Abelleira C., Gómez R.
- 17:06
O5-4 When Coronary Arteries Need Right Ventricular Systolic Pressure
Cools B., Moniotte S., De Wolf D., Dessy H., Sluysmans T., Gewillig M.
- 17:18
O5-5 “Hybrid” palliation of Interrupted Aortic Arch as initial treatment modality
Chan K.-C., Perryman R., Valdes-Cruz L., Scholl F.
- 17:30
O5-6 RV morphology remains a risk factor for early postoperative outcome after Fontan operation
Nordmeyer S., Rohder M., Miera O., Peters B., Berger F., Ovrutskiy S.
- 17:42
O5-7 Levosimendan versus Milrinone after Corrective Open-Heart Surgery in Neonates and Infants
Lechner E., Hofer A., Leitner-Peneder G., Freynschlag R., Mair R., Weinzettel R., Rehak P., Gombotz H.

16:30–18:00

Press room

Nurses role

Chair: Sonia Lopez (Madrid, ES), Maria del Carmen Rodriguez (Madrid, ES)

- 16:30 Health education for parents of children suffering from CHD. Nursing support during and after hospitalization
Ana Clara Félix
- 16:45 Long term complications and prognosis in patients after TGA surgery
Maria del Mar Calvo
- 17:00 Nursing consultation, a central focus on care to children undergoing heart transplantation and their families, in postransplant period
Ana Ines Costa
- 17:15 Heart failure in children
Hans Coolen
- 17:30 Round table discussion

18:00–20:30

Manuel de Falla

AEPC Business Meeting

FRIDAY, MAY 20, 2011

08:00–09:00

Seminar 1

WG Business Meeting: Preventive care

08:00–09:00

Manuel de Falla

WG Business Meeting: Interventional Cardiology

08:00–09:00

Andalucia I+II room

WG Business Meeting: Psycho-Social care from fetus to adult

08:00–09:00 Andalucia III room	WG Business Meeting: GUCH Task Force
08:00–09:00 Press room	WG Business Meeting: Genetics and Basic Science
08:00–09:00 Seminar 8	WG Business Meeting: Congenital Heart Surgery
09:00–10:30 Manuel de Falla	JSPSCC/AEPC session: Complex LVOTO <i>Chair:</i> William J Brawn (Birmingham, UK), Felix Berger (Berlin, DE)
09:00	Echocardiography: role, limitations and pitfalls <i>Jan Marek</i>
09:15	CMR/CT: how can it help the surgeon plan an operation? <i>Satoshi Yasukochi</i>
09:30	The half-turn technique for TGA with VSD and PS <i>Masaaki Yamagishi</i>
09:45	The Ross-Konno/Nikaidoh <i>Viktor Hraska</i>
10:00	Round table discussion
10:30–11:30 Exhibition Hall 1	Coffee Break, Exhibition
10:30–11:30 Exhibition Hall 1	Poster Walk 3
10:30 PW3-1	Correlation of maternal flecainide levels and therapeutic effect in fetal supraventricular tachycardia <i>Vigneswaran T., Callaghan N., Andrews R., Miller O., Rosenthal E., Sharland G., Simpson J.</i>
10:35 PW3-2	Chronic cardiac pacing induces structural and functional remodeling in the porcine postnatal developing heart <i>Zemmoura A., Bordachar P., Dos Santos P., Barandon L., Calderon J., Lemoine S., Ritter P., Ploux S., Haissaguerre M., Thambo J.B.</i>
10:40 PW3-3	The lumenless 4.1 Fr transvenous Pacemaker electrode (Medtronic 3830) in patients with congenital heart defects – a single center experience with 39 patients <i>Peters B., Miera O., Ewert P., Ovrutskiy S., Nagdyman N., Berger F.</i>
10:45 PW3-4	Unravelling The Mechanisms Behind The Hemodynamic And Autonomic Remodeling Induced By Orthostatic Training <i>Laranjo S., Oliveira M., Tavares C., Geraldes V., Santos S., Pinto F.F., Ferreira R.C., Rocha I.</i>
10:50 PW3-5	Pregnancy and neonatal complications in women with congenital cardiac disease – a long-term follow-up study <i>Wacker-Gussmann A., Thriemer M., Yigitbasi M., Berger F., Nagdyman N.</i>
10:55 PW3-6	Impaired whole blood coagulation and platelet function in patients with cyanotic congenital heart disease <i>Mebus S., Braun S., Eicken A., Hager A., Hess J., Kaemmerer H.</i>
11:00 PW3-7	Long-term neo-aortic growth in arterial switch operation versus Ross procedure. Is there a difference? <i>Kaldararova M., Kantorova A., Hraska V., Nosal M., Masura J., Vrsanska V.</i>
11:05 PW3-8	Long term follow up of adolescent and adult grown up congenital heart disease (GUCH) patients after modified Fontan operation <i>Ovrutskiy S., Miera O., Peters B., Nagdyman N., Ewert P., Hübler M., Alexi-Meskishvili V., Hetzer R., Berger F.</i>
11:10 PW3-9	Intellectual outcome in children after complex cardiac surgery: Arterial switch operation vs. total cavopulmonary connection <i>Vahsen N., Toussaint-Goetz N., Asfour B., Schneider M.</i>
11:15 PW3-10	Induction therapy with Daclizumab in pediatric heart transplantation <i>Fuchs A.T., Birnbaum J., Greil S., Egermann N., Kozlik-Feldmann R., Netz H.</i>
11:20 PW3-11	Results of pediatric heart transplantation after 15 and 20 years: How are they now? <i>Behnke-Hall K., Bauer J., Thul J., Logeswaran T., Akintuerk H., Valeske K., Schranz D.</i>
11:25 PW3-12	Spanish Collaborative Group in Pediatric Ventricular Assisted Device: Experience with the Berlin Heart Excor <i>Medrano C., Albert D., Tejero M.A., Marcos-Alonso S., Labrandero C., Brochet G., Goncalves A., Casares J., Portela F., Polo L., Sánchez-Galindo A.C., Balcells J., Frías M., Ferrer A., Menendez J.J.</i>

10:30–11:30

Exhibition Hall 1

Poster Walk 4

- 10:30
PW4-1 Fetal Congenital Heart Disease in Twins with fully identified Zygosity: genetic or epigenetic? That is the question perhaps answered by an international multicenter study of 144 monozygotic twins
Joinau F., Guimiot F., Areias J.C., Sharland G., Marantz P., Vaskmann G., Zeilinsky P., Schleich J.M., Hyett J., Heitz F., Godart F., Lopes L., Fraisse A., Luton D., De Geeter B., Pangaud N., Vayssiere C., Vuillard E., Norouzi K., Azancot A.
- 10:35
PW4-2 Heart valve tissue-engineered matrices attenuate monocyte binding and procoagulant responses in human endothelial cell cultures exposed to *S. aureus*, *S. sanguis* and *S. epidermidis*
Heying R., Eyskens B., Cools B., Wolf C., Beekhuizen H., Jockenhoevel S., Hoylaerts M.F., Schmidt K.G., Schroten H.
- 10:40
PW4-3 Inhibition of calcineurin-signalling attenuates RV adaptation to pressure load in mice
Bartelds B., Borgdorff M.A.J., Boersma B., Takens J., Smit-van-Oosten A., De Windt L.J., Berger R.M.F.
- 10:45
PW4-4 Long term changes in retinal vasculature from Kawasaki Syndrome and its potential role in coronary risk stratification
Lim C.W.T., Pang A., He X.P., Quek S.C., Leo S.W., Wong T.Y.
- 10:50
PW4-5 Quality of life in asymptomatic children and adolescents before and after diagnosis of hypertrophic cardiomyopathy through family screening
Bratt E.-L., Berntsson L., Axelsson A.B., Östman-Smith I.
- 10:55
PW4-6 Echocardiographic and Biochemical Findings of type 1 diabetic children and adolescents: Cardiovascular risk in diabetic children
Levent E., Kar S., Goksen D., Darcan S., Ozyurek A.R.
- 11:00
PW4-7 First 20 years of paediatric heart transplantation in Sweden: Comprehensive outcome after listing for transplantation and post-transplant results 1989-2009
Higgins T., Bennhagen R., Wähländer H., Gilljam T.
- 11:05
PW4-8 Cardiac anomalies in Noonan syndrome: experience in 64 patients
Banaudi E., Riggi C., Baldassarre G., Ferrero G.B.*, Silengo M.*, Agnoletti G.*
- 11:10
PW4-9 Central and Peripheral Systolic Blood Pressure in Healthy Children and Adolescents and in Patients with Juvenile Hypertension
Hidvégi E., Illyés M.
- 11:15
PW4-10 International Trial of Promising New Auditory Training Program for Distinguishing Innocent and Pathological Murmurs
Finley J., Nicol P., Caissie R., Newman A., Hoyt B., MacAulay D., Wright H., Yim D.
- 11:20
PW4-11 Long term outcome of coronary artery lesions after Kawasaki Disease in children
Di Filippo S., Lega C., Ducreux C., Sassolas F., Gouton M., Bakloul M., Veyrier M., Bozio A.
- 11:25
PW4-12 Malignancy after pediatric heart transplantation: a multi-institutional study
Marcos-Alonso S., Arizón J.M., García-Guereta L., Segovia J., Roig E., Almenar L., Rábago G., Delgado J., González-Vilchez F., Camino M., Albert D., Lage E., Pérez-Villa F., Pascual D., Manito N., Blasco T., Muñoz J., Crespo-Leiro M.

11:30–13:00

Manuel de Falla

The role of imaging before, during and after intervention

Chair: Grazyna Brzezinska-Rajszyz (Warsaw, PL), John Simpson (London, UK)

- 11:30 What the imager can do to help
Tara Bharucha
- 11:45 What the interventionist needs to know
Peter Ewert
- 12:00 ICE versus TOE
Neil Wilson
- 12:15 CMRI guided interventions – Are we there yet?
Reza Razavi
- 12:30 Round table discussion

11:30–13:00**Andalucia III room****Abstract Session 9 General Cardiology 1**

Chair: Sylvia Di Filippo (Lyon, FR), Federico Gutierrez-Larraya (Madrid, ES)

- 11:30
09-1 Clinical Characteristics of Pediatric Pulmonary Hypertension: Results from the global registry Tracking Outcomes and Practice in Pediatric Pulmonary Hypertension (TOPP)
Berger R.M.F., Humpl T., Schulze-Neick I., Raskob G., Ivy D.D., Jing Z.-C., Bonnet D., Beghetti M., Barst R.J.
- 11:42
09-2 Exercise capacity in children with isolated congenital complete atrioventricular block: does pacing make a difference?
Blank A.C., Hakim S., Strengers J.L., Tanke R.B., van Veen T.A.B., Vos M.A., Takken T.
- 11:54
09-3 The efficacy and safety of new strategy for refractory Kawasaki disease
Ishii M., Ogata S., Honda T., Ogihatra Y.
- 12:06
09-4 The outcomes of the extracardiac conduit Fontan operation in patients with heterotaxy syndrome: Experience in a single institute
Ko H.K., Ko J.K.
- 12:18
09-5 Mild residual pulmonary stenosis after correction of Tetralogy of Fallot is associated with a reduced risk of pulmonary valve replacement during follow-up
Hylkema M.G., van der Hulst A.E., Vliegen H.W., Hazekamp M.G., Bax J.J., Rijlaarsdam M.E.B., Holman E.R., Blom N.A., Roest A.A.W.
- 12:30
09-6 Outcome of acute myocarditis: a single-center 8-year experience
Asakai H., Hama T., Kaneko M., Misaki Y., Kaneko Y., Nakagawa S., Kato H.
- 12:42
09-7 Echocardiographic Findings in 30 Children with Various Lysosomal Storage Disease
Weber R., Rohrbach M., Baumgartner M., Valsangiacomo Buechel E.R., Kretschmar O., Attenhofer Jost C.H.

11:30–13:00**Andalucia I+II room****Young Investigator Award**

Jury's Chair: Maurice Beghetti (Geneva, CH)

Judges: Toshio Nakanishi (Tokyo, JP), Ina Michel-Behnke (Vienna, AT),

Kisaburo Sakamoto (Shizuoka, JP)

- 11:30
06-1 4-dimensional flow patterns in the ascending aorta differ strongly between bicuspid and tricuspid aortic valves
Schneider E.P., Lyko C., Meierhofer C., Stern H., Markl M., Hutter A., Hager A., Martinoff St., Hess J., Fratz S.
- 11:44
06-2 The cardio renal anemia syndrome in adult patients with congenital heart disease
Shimada E., Inai K., Shinohara T., Yamamura H., Nakanishi T.
- 11:58
06-3 Distinct patterns of functional right ventricular adaptation to experimental right ventricular pressure vs volume overload
Borgdorff M.A.J., Bartelds B., Smit- van Oosten A., Steendijk P., de Vroomen M., Berger R.M.F.
- 12:12
06-4 MicroRNAs may control mRNAs in circulating peripheral blood mononuclear cells during the acute phase of Kawasaki disease
Saito K., Takasaki I., Hirono K., Ibuki K., Watanabe K., Bowles N.E., Ichida F., Miyawaki T.
- 12:26
06-5 Clinical application of a vagal hyperreactive animal model
Helms P., Livolsi A., Niederhoffer N., Dali-Youcef N., Rambaud C., Olexa C., Mokni W., Gies J.P., Bousquet P.
- 12:40
06-6 Exploring a novel molecular mechanism underlying the cardiac development implicated in the outflow tract defects
Kodo K., Uchida K., Tsuchihashi T., Nakanishi T., Matsuoka R., Yamagishi H.

13:00–14:30**Exhibition Hall 2****Lunch****14:30–16:00****Manuel de Falla****D-TGA: Arterial switch controversies**

Chair: Shakeel Qureshi (London, UK), Juan Comas (Madrid, ES)

Prostaglandin management. Rashkind management. Timing.

Late presentation. Is preoperative catheterisation necessary?

Late pulmonary stenosis management. Ao regurgitation.

Postoperative coronary evaluation

- 14:30 The cardiologist's approach
Joseph deGiovanni

- 14:45 The surgeon's approach
George Sarris
- 15:00 Surgery experts:
Viktor Hraska (DE), Francisco Portela (SP), Kisaburo Sakamoto (JP), Christian Schriber (GE)
- 15:20 Cardiology Experts
Younes Boudjemline (FR), Konrad Brockmeier (DE), Eero Jokinen (FI), Marteen Witsenburg (NL)
- 15:40 Round table discussion
- 14:30–16:00**
Andalucia I+II room
- Abstract Session 8 Dysrhythmias**
Chair: Juha-Matti Happonen (Helsinki, FI), Alpay Celiker (Istanbul, TR)
- 14:30 Development of the sinoatrial and atrioventricular nodes in the avian embryo: a reference series of morphological and electrophysiological changes during maturation
O8-1 *Vicente-Steijn R., Kolditz D.P., de Vries A.A.F., Schalij M.J., Poelmann R.E., Gittenberger-de Groot A.C., Jongbloed M.R.M*
- 14:42 Pathologic anatomy of the coronary sinus and cardiac veins in double discordance (congenitally corrected transposition of the great arteries)
O8-2 *Houyel L., Belli E., Serraf A.*
- 14:54 Permanent Cardiac Pacing in Children—Choosing the Optimal Pacing Site:
O8-3 A Multi-Center Study
Janousek J., van Geldorp I.E., Krupickova S., Rosenthal E., Tomaske M., Früh M., Elders J., Hiippala A., Gebauer R.A., Kubus P., Gabbarini F., Clur S.-A., Nagel B., Ganame J., Papagiannis J., Marek J., Nürnberg J.-H., Wren C., Friedberg M., de Guillebon M., Tisma-Dupanovic S., Prinzen F., Delhaas T.
- 15:06 Cardiac Resynchronization Therapy in Pediatric and Congenital Heart Disease Patients:
O8-4 A Long-Term Single Center Experience
Rotstein A., Davis A.M., Kamberi S., Scicluna D., Koleff J., Cheung M., Weintraub R.G., Pflaumer A.
- 15:18 Acute and Long-Term Outcome after Catheter Ablation of Supraventricular Tachycardia in
O8-5 Patients after the Mustard or Senning Operation for D-Transposition of the Great Arteries
Hessling G., Wu J., Ammar S, Reents T., Fichtner S., Zhu P., Estner H., Jilek C., Hess J., Deisenhofer I.
- 15:30 Genetic background of long QT syndrome in infants, children, and adolescents in Japan
O8-6 *Yoshinaga M., Kucho Y., Watanabe A., Ikegami K., Kojo K., Tanaka Y.*
- 15:42 Predictors of Adverse Events in Children with Arrhythmogenic Right Ventricular
O8-7 Cardiomyopathy
Farhan M., Hamilton R.M.
- 14:30–16:00**
Andalucia III room
- Monitoring in the ICU**
Chair: Eduardo da Cruz (Denver, USA), Evelyn Lechner (Linz, AT)
- News about monitoring the cardiac patient in the ICU**
- 14:30 Invasive hemodynamic monitoring: why, how and what to measure
Nikolaus Haas
- 14:55 Non-invasive hemodynamic monitoring: methods and their reasonable application
Joris Lemson
- News on sedating the cardiac patient in the ICU**
- 15:20 Dexmedetomidine in Cardiac Critical Care. Current perspective: Lessons learn from the past and current practice
Ricardo Muñoz
- 15:45 Round table discussion
- 14:30–16:00**
Press room
- Anatomic exhibition 2: “Left and right ventricular outflow tract diseases”**
Chair: Annalisa Angelini (Padua, IT)
Adriana Gittenberger de Groot
Jose Luis Zunzunegui
- 16:00–16:30**
Exhibition Hall 1
- Coffee Break, Posters and Exhibition**

16:30–18:00**Manuel de Falla****TGA: long-term follow-up in atrial switch***Chair:* Andre Bozio (Lyon, FR), András Szatmári (Budapest, HU)

- 16:30 Long-term follow-up of Mustard/Senning
Koichiro Kniwa
- 16:45 Arrhythmias in the Mustard/Senning population
Judith Bouchardy
- 17:00 Catheter Interventions in the Mustard/Senning
Ingo Daehnert
- 17:15 Late arterial Switch after retraining LV
Nicole Sekarski
- 17:30 Round table discussion

16:30–18:00**Andalucia I+II room****Psychosocial WG session: “quality of care”***Chair:* Ulrike Bauer (Berlin, DE), Giacomo Pongiglione (Roma, IT)

- 16:30 Expectations of care and suggested strategies to deal with inequalities in health care throughout Europe-the view of the parent support organisations
Hermine Nock
- 16:45 The challenge of combining large centre surgical care with more locally accessible medical and psychosocial care
Frank Casey
- 17:00 How do achieve the best, behavioural, educational and employment outcomes for the Adolescent with CHD
Jo Wray
- 17:15 Indicators of Quality
Bohdan Maruszewski
- 17:30 Round table discussion

16:30–18:00**Andalucia III room****Abstract Session 7 Imaging***Chair:* Giovanni di Salvo (Naples, IT), Sylvie de Filippo (Lyon, FR)

- 16:30 Four-dimensional velocity encoded magnetic resonance imaging improves blood flow quantification in congenital heart disease
O7-1
Nordmeyer S., Riesenkampff E., Kropf S., Berger F., Kuehne T.
- 16:42 Effect of age on exercise capacity and cardiac reserve in patients with pulmonary atresia with intact ventricular septum after biventricular repair
O7-2
Romeih.S, Groenink M., Roest A.A.W., van der Plas M.N., Hazekamp M.G.,Spijkerboer A.M., Mulder B.J.M., Blom N.A.
- 16:54 Quantitative blood flow analysis of aorto-pulmonary collaterals by 3D-flow
O7-3
Phase-Contrast Magnetic Resonance Imaging in patients with single ventricle physiology
Valverde I., Nordmeyer S., Crelier G., Kuehne T., Beerbaum P.
- 17:06 Computer aided planning of patches and conduits for surgery in congenital heart disease
O7-4
Riesenkampff E., Hübler M., Rietdorf U.,Heimann T., Schwarz T., Meinzer H.-P., Berger F, Kuehne T.
- 17:18 Speckle tracking in hypoplastic left heart syndrome: correlation with magnetic resonance imaging and the impact of ventricular morphology
O7-5
Bellsham-Revell H., Bell A.J., Miller O., Greil G., Simpson J.M.
- 17:30 Mechanisms of Tricuspid Valve Regurgitation in Hypoplastic Left Heart Syndrome: A Case-Matched Study
O7-6
Bharucha T., Atlin C., Sella N., Honjo O., Caldarone C.A., van Arsdell G., Mertens L.
- 17:42 Cardiac involvement in Duchenne Muscular Dystrophy (DMD) – a detailed cardiac magnetic resonance imaging study in 39 patients
O7-7
Greim V., Schmid A., Joerges A., Boettler P., Burkhardt B., Trollmann R., Schröder R., Dittrich S.

18:00–20:00**Manuel de Falla****SECPCC Business Meeting****SATURDAY, MAY 21, 2011****09:00–10:30****Manuel de Falla****PA/VSD/MAPCAS***Chair:* Caroline Ovaert (Brussels, BE), Christian Schreiber (Munich, DE)

- 09:00 What imaging modalities offer for optimal management
Titus Kuehne
- 09:15 Repair or palliation: timing, order of play, staged or complete
William J Brawn
- 09:30 Catheter intervention (balloons, cutting balloons, stents)
Marc Gewillig
- 09:45 Outcome, late problems and expectations
Andreas Eicken
- 10:00 Round table discussion

09:00–10:30

Andalucia I+II room

Puzzle the Experts

Chair: Gurleen Sharland, (London, UK), Queralt Ferrer (Barcelona, ES)
Experts: Jose Carlos Areias (PT), Joaquín Bartrons (ES), Klaus Schmidt (DE), Vita Zidere (UK)

09:00–10:30

Andalucia III room

Abstract Session 10 End stage heart and lung disease

Chair: Maurice Beghetti (Geneva, CH), Michael Burch (London UK)

- 09:00 Enlarging the genetic spectrum of cardiomyopathies. Preliminary results of the MyEstela
O10-1 Pediatric Cohort Study
Medrano-López C., Vázquez-Álvarez M.C., Camino-López M., Blanco-Soto P., Centeno-Jiménez M., Monserrat-Iglesias L., Orera-Clemente M., Maroto-Álvaro E., The MyEstela Study Group
- 09:12 Diagnostic Evaluation in Pediatric Pulmonary Hypertension (PH)—Results from the First
O10-2 Pediatric Global Registry: Tracking Outcomes and Practice in Pediatric Pulmonary Hypertension (TOPP)
Beghetti M., Berger R.M.F., Schulze-Neick I., Raskob G., Day R., Pulido T., Feinstein J., Barst R.J., Humpl T.
- 09:24 Does reversed apical or basal left ventricular rotation recover
O10-3 following medical therapy in children with dilated cardiomyopathy?
A two-dimensional speckle tracking imaging study
Udink ten Cate F.E.A., Lorenz S.R.W., Khalil M., Schmidt B.E., Brockmeier K., Sreeram N.
- 09:36 Clinical characteristics and outcome of heart transplant in adults with Congenital Heart
O10-4 Diseases. Subanalysis of Spanish Registry on Heart Transplantation
Albert D.C., Paniagua M.J., Almenar L., Brossa V., Crespo M.G., Segovia J., Palomo J., Delgado J., González-Vilchez F., Manito N., Lage E., García-Guereta L., Rodríguez-Lambert J.L.
- 09:48 Recurrent Post-transplant lymphoproliferative disorder in paediatric heart transplant
O10-5 recipients
Logeswaran T., Behnke-Hall K., Rueblinger L., Bauer J., Thul J., Schranz D.
- 10:00 Survival adjusted with age is similar in adults with Eisenmenger syndrome and other types of
O10-6 pulmonary artery hypertension
Bonello B., Renard S., Hubert S., Mancini J., Habib G., Fraisse A.
- 10:12 The impact of cardiac resynchronization therapy on outcome of infants with severe
O10-7 congestive heart failure due to dilated cardiomyopathy – the importance of detecting “optimal pacing site” in OR
Yasukochi S., Takigiku K, Maatsui H, Inoue N, Watanabe S, Mori H, Morimoto Y

10:30–11:00

Exhibition Hall 1

Coffee Break, Posters and Exhibition

11:00–12:30

Andalucia I+II room

Device session

Chair: Juha-Matti Happonen (Helsinki, FI), Fabrizio Drago (Roma, IT)

- 11:00 Pacemaker therapy in congenital AVB
Alpay Celik
- 11:15 Dyssynchronous heart failure—a device needed and helpful?
Jan Janousek
- 11:30 Selecting the appropriate pacing site in pediatric patients
Tammo Delhaas
- 11:45 Pediatric ICD therapy: indications and clinical outcome
Thomas Kriebel
- 12:00 Round table discussion

11:00–12:30

Manuel de Falla

Interventions: Failures and Successes*Chair:* Shakeel Qureshi (London, UK), Caroline Ovaert (Brussels, BE)

11:00–12:30

Andalucia III room

Abstract Session 11 General Cardiology 2*Chair:* Daniel de Wolf (Gent, BE), Enrico Chiappa (Florence, IT)

11:00

O11-1

Prior administration of urinastatin decrease the total dosage of gamma-globulin in early stage Kawasaki disease
Yoshikane Y., Hashimoto J., Ueda M., Ogawa A., Hirose S.

11:12

O11-2

Effect of dispensing with antibiotic prophylaxis before dental treatment in patients with congenital heart disease: Analysis of 21 consecutive cases of infective endocarditis after the introduction of NICE guidelines in April 2008
Wong J.K.B., Witter T., Rosenthal E.

11:24

O11-3

Univentricular Hearts in Denmark 1977-2009: Incidence and Survival
Idorn L., Jensen A.S., Juul K., Reimers J.I., Søndergaard L.

11:36

O11-4

Pulse oximetry home monitoring in infants with single ventricle physiology and a surgical shunt as the only source of pulmonary blood flow
Öhman A., Nilsson B., Strömvall-Larsson E., Cavigelli-Brunner A., Mellander M.

11:48

O11-5

Evaluation of the aortic morphology and function in adolescents after coarctation (CoA) repair using MRI: New details of a systemic vessels disease
Eichhorn J.G., Kropp F., Ley S., Fischer M., Loukanov S., Sebening C., Gorenflo M.

12:00

O11-6

Evaluation of aortic morphology and elastic properties in children and adolescents with Ullrich-Turner syndrome (UTS): High prevalence of aortic changes already in early life
Eichhorn J.G., Kneppo C., Ley S., Knauer-Fischer S., Inta I.M., Gorenflo M., Bettendorf M.

Acute Neonatal Hypertensive Crisis With Circulatory Failure: Be Aware Of The Wolf In Disguise
Louw J.J., Thewissen L., Smits A., Eyskens B., Heying R., Cools B., Levtschenko E., Allegaert K., Gewillig M.

12:30–13:30

Manuel de Falla

Closing session*Chair:* Ramón Bermudez-Cañete (Madrid, ES), Shakeel Qureshi (London, UK)

12:30

Integration of multi-imaging information in the interventional suite: a key to advanced structural heart disease interventions
Carlos Ruiz

WEDNESDAY, MAY 18, TO SATURDAY, MAY 21, 2011

08:00–18:00

Exhibition Hall 1

Posters**Arrhythmia/electrophysiology**

P-1

Effect of right bundle branch block on T peak to end interval
Benatar A., Dewals W., Decraene T., Feenstra A.

P-2

Home Monitoring in children and young patients with a congenital heart disease and electronic devices
Zartner P.A., Toussaint-Goetz N., Wiebe W., Schneider M.B.E.

P-3

Long-term Fate of Patients With Congenital Heart Disease Undergoing Cardiac Resynchronization Therapy
Janousek J., Krupickova S., Gebauer R.A., Kubus P.

P-4

18 Years of Paediatric Catheter Ablation in One Country: Long-Term Results
Janoušek J., Viť P., Zaoral L., Peichl P., Gebauer R.A., Fiala M., Kubus P.

P-5

Permanent Epicardial Pacing in Children: Long-Term Results and Factors Modifying Outcome
Janousek J., Kubus P., Materna O., Gebauer R.A., Matějka T., Gebauer R., Tláškal T.

P-6

Assessment of electrical and mechanical heart function in children after atrioventricular node slow pathway ablation
Sileikiene R., Vaskelyte J., Sileikyte V., Baksiene D.

P-7

Selective-site pacing in children using the SelectSecure System: effect on left ventricular function
Gabbarini F., Corleto A., Agnoletti G.

P-8

A frequent anomalous morphological pattern of the coronary sinus in corrected transposition of the great arteries: Implications for cardiac resynchronization therapy
Aiello V.D., Ferreira F.C.N., Scanavacca M.I., d'Avila A.

- P-9 Electrocardiographic screening of one-month-old infants for long QT syndrome in Japan
Yoshinaga M., Ushinohama H., Sato S., Tauchi N., Horigome H., Kojo K., Tanaka Y., Takahashi H., Shimizu W., Sumitomo N., Nomura Y., Takahashi K., Nagashima M.
- P-10 Isosorbide Dinitrate Is a Safe Provocative Agent In Head up Tilt Test in Children and Adolescents
Sabri M.R., Maghzian M.
- P-11 Fifteen year experience with accessory pathway ablation in children and young adults with congenital heart disease by a single pediatric electrophysiology team
Avramidis D., Alexopoulos C., Kirvassilis G., Tzifa A, Bonou P., Papagiannis J.
- P-12 Sotalol in Foetal Atrial Tachyarrhythmias. A Retrospective Analysis
Freund M.W., van der Heijden L.B., ter Heide H., Freund J.E., v Iperen G., Manten W., Pistorius L., Oudijk M.
- P-13 Outcomes of Radiofrequency Ablation and Cryoablation in Children and Adolescents
Mangat J., Ladusans E., Narayanan A., Fitzpatrick A., Hall M., Todd D.
- P-14 Identification of electrophysiological substrate in patients with repaired tetralogy of Fallot
de Guillebon M., Sacher F., Derval N., Bordachar P., Iriart X., Haissaguerre M., Thambo J.B.
- P-15 Heart rate variability in young patients with hypertrophic cardiomyopathy is a useful indicator of risk for complex ventricular arrhythmias
Östman-Smith I., Arnell M., Allahyari P., Smith N.
- P-16 Cardiac resynchronization therapy in children—experience of the Hungarian Paediatric Heart Centre
Szepesvary E., Környei L., Kassai I., Szatmari A.
- P-17 One cryoablation is often enough to treat children with septal arrhythmia substrates in the right atrium
Hiippala A., Happonen J.M.
- P-18 Late recovery of surgical atrio-ventricular block is not exceptional
Vugts G., van Geldorp I.E., Vanagt W.Y., Meyns B., Willems R., Rega F., Gewillig M., Delhaas T.
- P-19 Low incidence of inappropriate shock in children with implantable cardioverter defibrillator. A single-institution experience
Maltret A., Villain E., Tamisier D., Jauvert G., Horvilleur J., Lacotte J., Bonnet D.
- P-20 Contact Force Controlled Zero-Fluoroscopy Catheter Ablation of Right-Sided and Left-Atrial Arrhythmias
Kerst G., Weig H.-J., Weretka S., Seizer P., Gawaz M., Hofbeck M., Schreieck J.
- P-21 Congenital Junctional Ectopic Tachycardia – difficult clinical problem
Bieganowska K., Miszczak-Knecht M., Brzezinska-Paszke M., Posadowska M., Rękawek J., Kaszuba A., Pręgoswska K., Szumowski Ł.
- P-22 Safety and efficacy of simplified femoral approach with Gold Tip Electrodes for RFCA on paroxysmal SVTs in children
Ras M., Stec S., Sledz J., Szydowski L., Klank-Szafran M., Mazij M., Ludwik B., Dudek K., Futyma M., Spikowski J., Kulakowski P.
- P-23 Catheterablation of accessory pathways in children and adolescents: results in 167 consecutive patients
Környei L., Szil-Török T., Földesi Cs., Kardos A., Szatmári A.
- P-24 Population-based long term outcome of pediatric catheter ablation of common supraventricular tachycardias in patients without structural heart disease
Hiippala A., Happonen J.M.
- P-25 The funny current channel HCN4 delineates the developing cardiac conduction system in the chicken heart
Vicente-Steijn R., Passier R., Wisse L.J., Schalij M.J., Poelmann R.E., Gittenberger-de Groot A.C., Jongbloed M.R.M.
- P-26 Progression to first degree heart block in preschool children fetally exposed to Ro52 autoantibodies
Eliasson H., Bergman G., Mohlkert LA., Wahren-Herlenius M., Sonesson SE.
- P-27 Analysis of QT dispersion and corrected QT interval in children with hypertrophic cardiomyopathy
Bobkowski W., Krauze T., Piskorski J., Baszko A., Surmacz R., Moszura T., Siwińska A., Guzik P.

- P-28 Analysis of the signal-averaged QRS complex width in healthy children and in children with hypertrophic cardiomyopathy
Bobkowski W., Surmacz R., Krauze T., Piskorski J., Baszko A., Moszura T., Jaremba O., Siwińska A., Guzik P
- P-29 Vectorcardiographic measurements of QT interval in a paediatric LQTS population
Diamant U.B., Winbo A., Jensen S.M., Rydberg A.
- P-30 First Results from the Austrian LQTS Registry
Haselwanter E., Gamillscheg A., Stein J., Tülzer G., Emhofer J., Marx M., Wolf C., Fritz M., Kimmersdorfer S., Pernecky E., Ehringer D., Salzer-Muhar U.
- P-31 Tilt-table and ergometry tests in relation to cardiac status
Kadic A., Dinarevic S., Begic Z., Hadžić A.

Basic science

- P-32 Changes of Gene Expressions in Monocrotaline induced Pulmonary Hypertension Rats after Bone Marrow Cell Transfusion
Hong Y.M., Kim S.J., Kim K.C., Cho M.S., Kim H.S., Sohn S.J.
- P-33 Apoptosis associated Gene Expressions of in Monocrotaline-Induced Pulmonary Hypertension in Rats after Bosentan Treatment
Jung J.Y., Kim K.C., Hong Y.M.
- P-34 Rapidly activating delayed rectifier K⁺ current during post-natal development in mouse ventricle
Hoshino S., Nakagawa M., Takeuchi Y., Omatsu-Kanbe M., Matsuura H.
- P-35 Postnatal developmental changes in the TRPC channels in mouse cardiomyocytes
Hoshino S., Nakagawa M., Takeuchi Y., Omatsu-Kanbe M., Matsuura H.
- P-36 Right ventricle function analysis by using RV papillary muscle
Urashima T., Kusakari Y., Itohisu M., Kawachi S., Saito R., Fujiwara M., Ogawa K., Ida H., Nakazawa M., Eto Y.
- P-37 Infective endocarditis in patient with congenital heart disease and without vegetations
Cobos Carrascosa E., Ortega Montes A., Sánchez Forte M., Rodriguez Lucenilla M.I., Giménez Sánchez F., Salvador Sánchez J.
- P-38 Factors influencing on formation of heart rhythm disturbances in newborns
Kovalev I.A., Svintsova L.I., Usenkov S.Yu.
- P-39 RFA of tachyarrhythmias in children of one year old
Svintsova L.I., Kovalev I.A., Popov S.V., Murzina O.Yu.
- P-40 Properties of heart remodeling in children with congenital heart diseases complicated by pulmonary hypertension
Yanulevich O.S., Kovalev I.A., Sokolov A.A., Krivoshchekov E.V.
- P-41 Comparative assessment of intracardiac hemodynamics state in children with ventricular premature beats from RVOT and LVOT
Chernyshov A.A., Kovalev I.A., Zavadovsky K.V., Popov S.V.
- P-42 Cardiotrophin-1 is differentially induced in the myocardium of infants with congenital cardiac defects depending on hypoxemia
Heying R., Qing M., Wöltje M., Schumacher K., Sokalska M., Vazquez-Jimenez J., Seghaye M.-C.
- P-43 Coronary ostia patterning in conotruncal defects
Bajolle F., Houyel L., Laux D., Bonnet D.
- P-44 Genetic polymorphism of methylenetetrahydrofolate reductase as a risk factor for congenital heart defect in Romanian children
Togănel R., Bănescu C., Muntean I., Făgărășan A., Duicu C., Gozar L.
- P-45 Interaction of Fetal Cardiology and Molecular Biology : About three cases of GATA4 deletion in fetuses with conotruncal malformations
Guimiot F., Aboura A., Delezoide A.-L., Chitrit Y., Azancot A.
- P-46 Apolipoprotein e2 allele – a genetic risk factor for nocturnal blood pressure elevations in Type 1 diabetes
Pavlovic M., Holl R.W., Venetz P., Gallati S., Schaller A.
- P-47 Coronary Flow and Reactivity, but not Arrhythmia Vulnerability, Are Affected by Cardioplegia During Cardiopulmonary Bypass Surgery of Piglets
Liuba P., Johansson S., Pesonen E., Higgins T., Forslid A., Kornerup Hansen A., Perez de Sa V.

- P-48 The influence of right ventricular pressure overload on the expression of pro- and anti-inflammatory cytokines, growth factors and markers of apoptosis in the myocardium of newborn lambs
Liersch P., Schwarz A., Schnöring H., Hermanns-Sachweh B., Vazquez-Jimenez J., Grabitz R., Seghaye M-C
- P-49 Children with atrial septal defect and significant left-to-right shunt show myocardial remodeling
Czajkowski J., Schumacher K., Wehage E., Buding B., Vázquez-Jiménez J., Seghaye M-C.
- P-50 A co-culture model that simulates Cardiopulmonary Bypass induced systemic inflammation: From bench to bedside
Wollersheim S., Miera O., Fedarava K., Berger F., Schmitt K.R.L.
- P-51 Is mild hypothermia cool enough to protect cardiac cells after hypoxia? How does propofol affect this effect?
Soltani P., Wollersheim S., Krauss A., Tong G., Berger F., Schmitt K.R.L.
- P-52 Modified Blalock-Taussig-Shunts: Histopathology and Morphometry
Sigler M., Foth R., Quentin T., Ruschewski W., Kriebel T., Paul T.
- P-53 Development and Characterization of Decellularized Myocardial Tissue Slices
Khalil M., Adelmann R., Köster A., Pfannkuche K., Haustein M., Hannes T., Rubach M., Hescheler J., Pillekamp F., Brockmeier K.
- P-54 Carvajal/Naxos syndrome secondary to Desmoplakin-dominant mutation is associated with hypo/oligodontia
Bouvagnet P., Chalabreysse L., Senni F., Bruyère P., Aime B., Ollagnier C., Bozio A., Bouvagnet P.

End-stage heart and lung disease

- P-55 Subcutaneous treprostinil in pediatric patients with severe pulmonary hypertension
Cerro M.J., Cartón A., Deiros L., Labrandero C, Menendez J., Gomez A., Barrios M.I., Martinez M.C., Garcia M., Rubio D., Gutierrez-Larraya F.
- P-56 Dilated cardiomyopathy—course and outcome in children
Ablonczy L., Mózes V., Kórnyci L., Ladányi A., Szatmári A.
- P-57 Severe pulmonary hypertension mimicking pulmonary veno-occlusive disease as presenting feature of Non Ketotic Hyperglycaemia
Menendez J.J., Cerro M.J., Dorao P., Labrandero C., Verdú C., Deiros L., Ortega M., Cartón A., Bret M., Siles A., Fernandez A., Guereta L, Gutierrez-Larraya F, Rodriguez J.I., Lapunzina P.
- P-58 Results of using of stem cells for treatment of dilated cardiomyopathy at childhood for first six patients
Bergmane I., Lacis A., Ozolins V., Lubaua I., Jakobsons E., Erglis A.
- P-59 15 Year Experience in Pulmonary Hypertension Due to Congenital Heart Disease Before and After Targeted Therapies: The Durability of the Right Ventricle in this disease
Apostolopoulou S.C., Kantzis M., Kourkovei P., Rammos S.
- P-60 60 patients with Eisenmenger physiology improve clinical status, hemodynamics and pulmonary endothelial function after 24 weeks of Bosentan therapy
Mebus S., Farahwaschi B., Kreuder J., Peters B., Miera O., Berger F., Lange P., Schulze-Neick I.

Fetal cardiology

- P-61 Impact of intrauterine and postnatal nutritional determinants on blood pressure in early childhood
Ojala T., Aaltonen J., Laitinen K., Poussa T., Ilmonen J., Isolauri E.
- P-62 Complex Cardiac Prenatal Diagnosis: Continuing or Termination of Pregnancy? A Retrospective Analysis
Nell S., Wijngaarde C.A., ter Heide H., Manten W., Pistorius L., Freund M.W.
- P-63 The Impact of Fetal Diagnosis on Duct-Dependent Congenital Heart Lesions
Thakur V., Duthil N., Schwartz S., Jaeggi E.
- P-64 Diastolic dysfunction in fetuses of Diabetic Mothers, Prenatal two dimensional and Doppler echocardiography study
Asleh N., Badarneh N.
- P-65 Maternal effects of transplacental flecainide for treatment of fetal tachyarrhythmia
Vigneswaran T., Callaghan N., Andrews R., Miller O., Rosenthal E., Sharland G., Simpson J.
- P-66 Performance of antenatal diagnosis to detect postnatal coarctation of the aorta
Joly H., Sassolas F., Ducreux C., Veyrier M., Bakloul M., Gouton M., Bozio A., Di Filippo S.

- P-67 Prediction of biventricular versus univentricular circulation in fetal diagnosis
Svensson O., Boll A-B., Mellander M.
- P-68 Risk for isolated ventricular septal defect in euploid fetuses with borderline or increased first trimester nuchal translucency
Zielinsky P., Naujorks A., Becker Jr E., Nicoloso L.H., Piccoli Jr A.L., Manica J.L., Pizzato P., Bender L.P., Pizzato M., Barbisan C., Swarowski F., Busato S., Velho L.
- P-69 The fetal heart in monochorionic twin pregnancies: how much are we missing?
Goncalves E., Magalhães M., Moura C., Costa P., Brandão O., Matias A., Montenegro N., Rodrigues T., Monterroso J., Areias J.C.
- P-70 Obstetric management and time to first intervention in cases of fetal congenital heart disease delivered in a tertiary centre
Jowett V., Sankaran S., Rollings S., Zahiri V., Hall R., Miller O., Simpson J., Kyle P., Sharland G.
- P-71 Foetal dysfunction of the arterial duct: clinical spectrum and outcome
Eyskens B., Demeyer S., De Catte L., Heying R., Cools B., Brown S., Gewillig M.
- P-72 Function of right ventricle in a recipient twin in twin to twin transfusion syndrome
Dangel J., Kuran J.
- P-73 Pulmonary atresia with intact ventricular septum; second heart field derived developmental clues for myocardial and coronary artery pathology
Gittenberger-de Groot A.C., Bartelings M.M., Bilardo C.M., Clur S.-A., van der Wal A.C., Mahtab E.A.F., Poelmann R.E., Jongbloed M.R.M.
- P-74 Fetal Cardiomyopathy multicentre study: aetiology and clinical outcome
Ferrer Q., Arevalo S., Rueda F., Carrasco J.I., Alvarez T., Perich R., Rodríguez M.M., Albert D.C.
- P-75 Foetal dysrhythmias: a study in nine Spanish centres
Perin F., Briales C., Rodriguez M.M., Centeno F., Deiros L., Ferrer Q., Galindo A., Garcia de la Calzada D., Perich R.M., Rubio D., Rueda F., Teodoro S., Zabala J.I.
- P-76 Prenatal diagnosis of pulmonary atresia and intact ventricular septum – can we predict rationale for prenatal intervention?
Dangel M.M., Kolesnik A., Brzezinska-Rajszyz G., Dangel J.H.
- P-77 A decade of antenatally diagnosed unbalanced ventricles – comparing fetal outcomes with a postnatal cohort
Michael H.C., Jones C.B., Agarwal U., Roberts D., Lim J.S.L.
- P-78 Fetal supraventricular extrasystolies in a referral centre of fetal cardiology
Hamela—Olkowska A., Dangel J.H.

General paediatric cardiology

- P-79 Serum adiponectin, resistin levels, insulin resistance and cardiac changes in obese and overweight children
Karakurt C., Gürbüz S., Akıncı A., Koçak G., Elkıran Ö., Nalbantoğlu Ö., Yoloğlu S.
- P-80 Assessment of vascular remodelling after the Fontan procedure using a novel very high resolution ultrasound method: Arterial wall thinning and venous thickening in late follow up
Sarkola T., Jaeggi E., Slorach C., Hui W., Bradley T., Redington A.
- P-81 Assessment of Vascular Phenotype Using a Novel Very High Frequency Ultrasound Technique in Adolescents after Aortic Coarctation Repair and/or Stent Implantation: Relationship to Central Hemodynamics and Left Ventricular Mass
Sarkola T., Redington A., Slorach C., Hui W., Bradley T., Jaeggi E.
- P-82 Serum Homocysteine, Asymmetrical Dimethylarginine And Nitric Oxide Levels In Children With Pulmonary Arterial Hypertension
Sanlı C., Oguz D., Olguntürk R., Tunaoglu F.S., Kula S., Paşaoğlu H., Gülbahar Ö., Çevik A.
- P-83 Impact of Right Ventricular Volume Change on Exercise Capacity: A Comparison of Repaired Tetralogy of Fallot and Ebstein's Anomaly
Bambul Heck P., Baquet M., Schreiber Ch., Sarikouch S., Hager A., Hess J., Fratz S.
- P-84 NT-proBNP increase at exercise in patients with univentricular heart after total cavopulmonary connection
Hager A., Christov F., Hess J.
- P-85 Pulmonary capillary haemangiomatosis: an unusual histological presentation of vascular lesion in lung biopsies from patients with congenital cardiac shunts and pulmonary hypertension
Aiello V.D., Thomaz A.M., Pozzan G., Lopes A.A.B.

- P-86 Pre- and post-enteral feeding measurement of splanchnic/cerebral oxygenation ratio (SCOR) by near infra-red spectroscopy (NIRS) in neonates with congenital heart disease (CHD) and comparison with healthy neonates
Gaffo D., Cogo P., Passarella G., Decembrino N., Milanesi O.
- P-87 Blood pressure measurement procedure at an out-patient pediatric cardiology unit
Holmgren D., Swerkersson S.
- P-88 Long-term Outcome of Percutaneous Transluminal Coronary Rotablator Ablation for Ischemic Heart Disease Caused by Kawasaki Disease
Suda K., Iemura M., Ueno T., Nobuyoshi M., Teramachi Y., Kudo Y., Kato H., Matsuiishi T.
- P-90 Evaluation of the Cases with Silent Carditis
Pac F.A., Balli S., Oflaz M.B., Kibar A.E., Ece I.
- P-91 Pathognomonic ECG in Neonates with Enterovirus Myocarditis
Freund M.W., de Jonge N., Schroer Chr., Freund J.E., Verboon-Maciolek M.A.
- P-92 Clinicopathological investigation on pediatric cardiomyopathy with special reference to ongoing myocardial damages using pathophysiological parameters
Yonesaka S., Takahashi T., Otani K., Jun S., Konno Y., Sato T., Kitagawa Y., Eto S., Ueda T., Sato A., Ichinose K., Kinjo M.
- P-93 Levosimendan on severe low cardiac output in paediatric patients
Banille E., Cacciamano A., Pedernera E., Frey G, Paz G, Allub A, Peirone A, Juaneda E.
- P-94 Non-invasive monitoring of microcirculation in paediatric patients suffering from septic shock
Banille E., Paz G, Cacciamano A, Ballaco M, Luján L, Resino C, Lazzarín O, Peirone A.
- P-95 Recurrent pericarditis as a sole manifestation of Familial mediterranean fever
Siurana J.M., Jimenez L., Prada F, Perez A., Palacios J.
- P-96 Relationship of TNF- α -308, IL-10-1082 Gene Polymorphisms with the Severity and Susceptibility of Rheumatic Heart Disease
Hallioglu O., Balci S., Akbas E., Eras-Erdogan N.
- P-97 Neonatal Heart Failure in Lagos University Teaching Hospital Nigeria
Daniels Q.O., Okoromah C, Omokhodion S.I.
- P-98 Left ventricular systolic and diastolic function in children with overweight and obesity
Jurko Jr A., Schusterová I., Jurko A.
- P-99 Impact of chest X-ray before discharge in children after cardiac surgery – prospective evaluation
Quandt D., Knirsch W., Niesse O., Schraner T., Dave H., Kretschmar O.
- P-100 Impact of acute cardiac transfers conducted by the West Midlands Neonatal Transfer Service
Shenvi A., Harrison J., Skinner A., Dhillon A., Rasiah S.V.
- P-101 Takayasu arteritis in children
De Rubens F.J., Lopez C.E., Pablos H.JL., Solórzano M.SA.
- P-102 Enhanced aortic pressure wave reflection in patients after successful repair of aortic arch in children
Murakami T., Takeda A., Yamazawa H., Horibata A., Shirai T., Tateno S., Kawasoe Y., Niwa K.
- P-103 Low agreement between cardiologists diagnosing left ventricular hypertrophy in children with End Stage Renal Disease
Schoenmaker N.J., van der Lee J.H., Kuipers I.M., Ottenkamp J., van Iperen I., Frohn-Mulder I.M.E., Tanke R.B., Groothoff J.W.
- P-104 Echo Doppler Assessment of Vascular Function in Post-operative Congenital Heart Disease
Mivelaz Y., Leung M.T., Potts T.M., De Souza A.M., Potts J.E., Sandor G.G.S.
- P-105 Fewer Electrocardiogram Abnormalities in Duchene Muscular Dystrophy Patients Treated With Bisphosphonates
Wong K.K., Gordon K.E., Dooley J.M.
- P-106 Non-compacted cardiomyopathy: clinical characteristics, evolution and prognostic data in childhood. Results of a multicentre study
Sabate A., Huertas-Quirñones V.M., Betrián P., Carretero J.M., Rissech M., Uriel S., Perich R., Collell R., Girona J., Prada F., Albert D.C.
- P-107 Standard values for the 6-minute walking distance in healthy children and adolescents from different nations – which one to rely on?
Schneider J., Geiger R., Hoegler W., Rauchenzauner M., Stein J.

- P-108 Electrocardiographic Findings at Initial Diagnosis in Children with Isolated Left Ventricular Noncompaction
Dindar A., Ergul Y., Nisli K., Varkal M.A., Oner N., Dursun M., Aydogan U., Omeroglu R.E.
- P-109 Left ventricular noncompaction in children and adolescents: clinical features, treatment and follow-up
Dindar A., Ergul Y., Nisli K., Varkal M.A., Oner N., Dursun M., Aydogan U., Omeroglu R.E.
- P-110 Outcomes post Kawashima procedure and hepatic vein redirection for single ventricle palliation in left atrial isomerism with interrupted inferior vena cava
Vollebregt A.M., Pushparajah K., Rizvi M., Hoschtitzky A., Anderson D., Austin C., Tibby S., Simpson J.
- P-111 Timing of the investigations before bidirectional cavopulmonary anastomosis
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Editorial

Dear Friends and Colleagues,

We look forward to welcoming you to the 45th Annual Meeting of the Association for European Paediatric Cardiology, being held in the fascinating city of Granada at the foot of the Sierra Nevada mountains. This modern and lively city houses many splendid historical monuments.

For the annual meeting, we have received a total of 704 abstracts this year. A large panel of expert reviewers has accepted approximately one half of these to be presented. You will find the accepted high-quality abstracts in this book. We hope that this book will help you follow the discussions during the meeting and gives a good overview of the issues that are currently the hot topics in the research of congenital cardiology. In addition, there will be three prizes for the best posters. As in previous years, junior participants will receive special consideration. An AEPC Young Investigator's award and one JSPCCS Young Investigator's Award will be given. All the prizes will be distributed during the Social Evening of the meeting.

The programme of the meeting deals with the volume-loaded right ventricle, pulmonary atresia with intact ventricular septum and with ventricular septal defect and aorto-pulmonary collaterals and various imaging modalities. Pulmonary hypertension and management of arrhythmias in children will also be discussed in detail. Together with JSPCCS, AEPC has organised a meeting on complex left

ventricular outflow tract obstruction. There will also be a session focused on cardiac imaging during interventions. A panel of experts will discuss controversies in relation to and long-term follow-up after the arterial switch operation. Other major topics discussed during the sessions include the daily management of patients in paediatric cardiac intensive care unit and quality of care. The session on successes and failures in the catheterization laboratory will once again be interactive and informative. This year, there will be two anatomic exhibitions dealing with cardiac anatomy for interventionists and anatomy of left and right ventricular outflow tract diseases.

Granada with its Moorish history and its prestigious university and the atmosphere of old cultures and sciences awaits your attendance. We hope that you will enjoy the high quality scientific programme that gives an excellent update of new developments in Paediatric Cardiology. The Annual meeting creates a fruitful environment for active scientific discussions and gives a splendid opportunity to meet colleagues and experts from all around the world.

Granada, May 16, 2011

Shak Qureshi
AEPC President

Eero Jokinen
AEPC Secretary-General