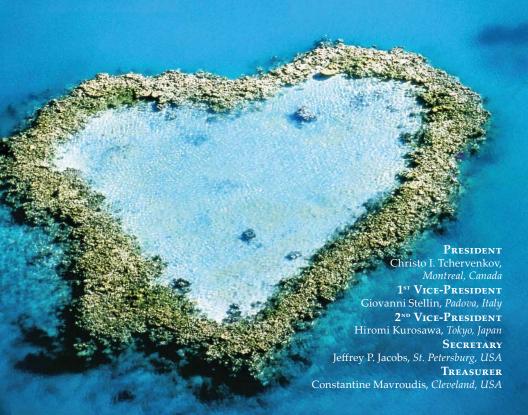


SECOND SCIENTIFIC MEETING OF THE WORLD SOCIETY FOR PEDIATRIC AND CONGENITAL HEART SURGERY

at the Fifth World Congress of Pediatric Cardiology & Cardiac Surgery June 22-24, 2009, Cairns, Australia





World Society for Pediatric & Congenital Heart Surgery at the

Fifth World Congress of Pediatric Cardiology & Cardiac Surgery



Dear Colleagues and Friends,

The World Society for Pediatric and Congenital Heart Surgery is holding its Second Scientific Meeting on June 22-24 in Cairns, Australia. This meeting will take place during the 5th World Congress of Pediatric Cardiology and Cardiac Surgery and is in fact an important part of the World Congress. The World Congress organizers and the World Society Program Committee have worked hard in a spirit of mutual respect and cooperation to put together an exciting program. There will be a comprehensive Postgraduate Course on the topic of "Common Atrioventricular Junction" which will be dedicated to the memory of Sir Brian Barrat-Boyes of New Zealand. In addition there will be 32 oral presentations of the best abstracts submitted. The "Stella Van Praagh Lecture" will be delivered by Robert H. Anderson and the "Aldo R.C. Castañeda Lecture" will be given by Roger B.B. Mee.

The World Society for Pediatric and Congenital Heart Surgery was established in 2006 and held the Inaugural Scientific Meeting in Washington, D.C. in May 2007, which was a great success. In 2008 the World Society organized a historic World Summit on Pediatric and Congenital Heart Surgery Services, Education and Cardiac Care for Children and Adults with Congenital Heart Disease in Montreal during which the multi-specialty Global Organization for Pediatric and Congenital Heart Disease was established.

The Vision of the World Society is that every child born anywhere in the world with a congenital heart defect should have access to appropriate medical and surgical care. Its Mission is to promote the highest quality comprehensive care to all patients with pediatric and/or congenital heart disease, from the fetus to the adult, regardless of the patient's economic means, with emphasis on excellence in education, research and community service.

We therefore invite you to attend the Second Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery, at the 5th World Congress of Pediatric Cardiology and Cardiac Surgery in Cairns, Australia and become an active member of the global coalition to improve care and education for children and adults with congenital heart disease.

Governing Council and Program Committee
World Society for Pediatric and Congenital Heart Surgery



World Society for Pediatric & Congenital Heart Surgery at the

Fifth World Congress of Pediatric Cardiology & Cardiac Surgery



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PROGRAM

Second Scientific Meeting World Society for Pediatric and Congenital Heart Surgery at the 5th World Congress of Pediatric Cardiology & Cardiac Surgery

June 22-24, 2009, Cairns, Australia LOCAL HOSTS

Graham R. Nunn, Brisbane, Australia David S. Winlaw, Sydney, Australia Christian P.R. Brizard, Melbourne, Australia Kirsten Finucane, Auckland, New Zealand

PROGRAM COMMITTEE

Chair: Sertac M. Cicek, Istanbul, Turkey

Zohair Al-Halees, Riyadh, Saudi Arabia Carl L. Backer, Chicago, USA Christian P.R. Brizard, Melbourne, Australia Victor Hraska, San Augustine, Germany Jeffrey P. Jacobs, St. Petersburg, USA Marshall L. Jacobs, Philadelphia, USA Marcelo B. Jatene, Sao Paulo, Brazil Richard A. Jonas, Washington, USA Robin H. Kinsley, Johannesburg, South Africa Christian Kreutzer, Buenos Aires, Argentina John J. Lamberti, San Diego, USA Bohdan Maruszewski, Warsaw, Poland Graham R. Nunn, Brisbane, Australia Shunji Sano, Okayama, Japan Nestor F. Sandoval, Bogota, Colombia Ayman Shoeb, Cairo, Egypt Giovanni Stellin, Padova, Italy George E. Sarris, Athens, Greece Christo I. Tchervenkov, Montreal, Canada David S. Winlaw, Sydney, Australia

Monday June 22, 2009 – 9:00 to 17:30

Postgraduate Course

SYMPOSIUM ON COMMON ATRIOVENTRICULAR JUNCTION: FROM A TO Z

Dedicated to the memory of Sir Brian Barratt-Boyes

Postgraduate Course Committee: Chair: Giovanni Stellin, Padova, Italy

Zohair Al-Halees, *Riyadh, Saudi Arabia*Sertac M. Cicek, *Istanbul, Turkey*Jeffrey P. Jacobs, *St. Petersburg, USA*Marcelo B. Jatene, *Sao Paulo, Brazil*Robin H. Kinsley, *Johannesburg, South Africa*

Graham R. Nunn, *Brisbane, Australia* Christo I. Tchervenkov, *Montreal, Canada*

SESSION 1: 9:00 – 10:30

Chairmen: Christo I. Tchervenkov, Montreal, Canada

Jeffrey P. Jacobs, St. Petersburg, USA

09:00 Welcome from Local Hosts: Graham R. Nunn, Brisbane, Australia

Christian P.R. Brizard, Melbourne, Australia David S. Winlaw, Sydney, Australia Kirsten Finucane, Auckland, New Zealand

09:05 Welcome & Introduction of President

Jeffrey P. Jacobs, St. Petersburg, USA

09:10 Presidential Welcome

Christo I. Tchervenkov, Montreal, Canada

09:15 Tribute to Sir Brian Barratt-Boyes Alan R. Kerr, Auckland, New Zealand

09:30 Nomenclature & Classification of Common Atrioventricular Junction Marshall L. Jacobs, *Philadelphia*, *USA*

09:45 STELLA VAN PRAAGH LECTURE:

Anatomy of Common Atrioventricular Junction PORTUGAL

Robert H. Anderson, London, United Kingdom

10:15 Fetal evaluation of atrioventricular canal

Gerald Tulzer, Linz, Austria

SESSION 2: 11:00- 12:30

Chairmen: Graham R. Nunn, Brisbane, Australia Bohdan Maruszewski, Warsaw, Poland

11:00 Diagnostic Evaluation: Echocardiography and the Role of Catheterization Rodney Franklin, *London, United Kingdom*

11:15 Anaesthesia for atrioventricular canal

Dean Andropoulos, Houston, USA

11:30 Intensive care & perioperative management

David Cooper, St. Petersburg, USA

11:45 Challenges with atrioventricular canal in Developing Nations

Robin H. Kinsley, Johannesburg, South Africa

12:00 Role of Surgical Palliation

Marcelo B. Jatene, Sao Paulo, Brazil

12:15 The conduction system in atrioventricular canal

Hiromi Kurosawa, Tokyo, Japan

12:30 LUNCH

CARPENTARIA

FLANDERS LAN SESSION 3: 14:00 - 15:30

Chairmen: Victor Hraska, Sankt Augustin, Germany Hiromi Kurosawa, Tokyo, Japan

14:00 Unresolved controversies in repair of atrioventricular canal Giovanni Stellin, *Padova, Italy*

14:15 Two-patch repair for atrioventricular canal

Zohair Al-Halees, Riyadh, Saudi Arabia

14:30 Single-patch repair of atrioventricular canal

Richard A. Jonas, Washington, USA

14:45 Modified single patch repair of atrioventricular canal

Graham R. Nunn, Brisbane, Australia

15:00 Challenging AV valve in atrioventricular canal

Christian P.R. Brizard, Melbourne, Australia

15:15 Reoperation for left AV valve regurgitation

John J. Lamberti, San Diego, USA

15:30 BREAK 140 145

SESSION 4: 16:00 – 17:30

Chairmen: Zohair Al-Halees, Riyadh, Saudi Arabia Juan R. Leon-Wyss, Guatemala City, Guatemala

16:00 Anatomy of Common Atrioventricular Junction with Complex Associated Lesions Robert H. Anderson, London, United Kingdom

16:30 Repair of Atrioventricular Canal & Tetralogy of Fallot or Double Outlet Right Ventricle

François Lacour-Gayet, Denver, USA

16:45 Repair of Atrioventricular Canal with Double Outlet Right Ventricle, Transposition or Truncus Arteriosus

Christo I. Tchervenkov, Montreal, Canada

17:00 Severely Unbalanced Atrioventricular Canal

David M. Overman, Minneapolis, USA

17:15 Atrioventricular Canal & Aortic Arch Obstruction Henry L. Walters, *Detroit, USA*

Tuesday June 23, 2009 – 9:00 to 17:30

SESSION 5: 9:00 - 10:30

Chairmen: Sertac M. Cicek, Istanbul, Turkey Shunji Sano, Okayama, Japan

09:00 Late Presentation of Atrioventricular Canal and Role of Pulmonary Artery Banding

Howaida Al-Qethamy, Riyadh, Saudi Arabia

09:15 Challenges in late repair of atrioventricular canal Rajesh Sharma, *New Delhi, India*

09:30 Chronic Pulmonary Hypertension in atrioventricular canal Judith Therrien, *Montreal, Canada*

09:45 Reoperations in the adult with atrioventricular canal Joseph A. Dearani, *Rochester, USA*

10:00 Lessons Learned form the STS Database

Jeffrey P. Jacobs, St. Petersburg, USA

10:15 Lessons Learned form the EACTS Database
Bohdan Maruszewski, Warsaw, Poland

Tuesday June 23, 2009 – 9:00 to 17:30

PAPER SESSIONS

SESSION 6: 11:00 - 12:30

Chairmen: Giovanni Stellin, Padova, Italy Richard A. Jonas, Washington, USA

11:00 Oral Abstract 1

Long-Term Result of Anatomical Repair for Discordant Atrioventricular Connections: Comparison of Anatomical and Physiological Repair

Takeshi KONUMA, Yasuharu IMAI, Kohta AGEMATSU, Kiyotaka YANO, Masaki SASOH, Toshio NAKANISHI, Hiromi KUROSAWA Tokyo Women's Medical University, Tokyo, Japan

11:15 Oral Abstract 2

Morphologic Variation In Hypoplastic Left Heart Syndrome

Douglas A WALL, Oliver STUMPER, Zdenka REINHARDT, Timothy JONES,
David J BARRON, William J BRAWN

Birmingham Children's Hospital, Birmingham, United Kingdom

11:30 Introduction of the President

Giovanni Stellin, Padova, Italy

11:35 PRESIDENTIAL ADDRESS

World Society for Pediatric & Congenital Heart Surgery: Blueprint for the Future and a Call for Action

Christo I. Tchervenkov, Montreal, Canada

12:00 Introduction of Honoured Guest Speaker

Richard A. Jonas, Washington, USA

12:05 ALDO R. CASTANEDA LECTURE

Global Challenges in Education and Training for Congenital Heart Surgery
Roger B. Mee, Williamstown, Australia

12:30 LUNCH

SESSION 7: 14:00 – 15:30

Chairmen: E. Samuel Ramirez-Marroquin, Mexico City, Mexico Ayman Shoeb, Cairo, Egypt

14:00 Oral Abstract 3

Impairment in Brain Maturation on Magnetic Resonance Imaging is Common in Infants Undergoing Surgery for Congenital Heart Disease

Julia K GUNN, Rod HUNT, Lee COLEMAN, John BECA, Terrie INDER, Lara SHEKERDEMIAN Royal Children's Hospital, Melbourne, Australia

14:15 Oral Abstract 4

Analysis of Early Outcomes of Neonatal Congenital Heart Surgery in Eacts Congenital Database: Is Body Weight Below 2.5 Kg Still the Risk for Hospital Mortality?

Andrzej KANSY, Zdzislaw TOBOTA, Przemyslaw MARUSZEWSKI, Bohdan MARUSZEWSKI Children's Health Memorial Hospital, Warsaw, Poland

14:30 Oral Abstract 5

Hla-Sensitization in Infants After Repair of Hypoplastic Left Heart Syndrome (Hlhs) is Prevented by Use of Glutaraldehyde-Treated Homografts

Bryce J LAING, Steve R MEYER, Anne M HALPIN, Patricia M CAMPBELL, David B ROSS, Lori J WEST, Ivan M REBEYKA University of Alberta, Edmonton, Canada

14:45 Oral Abstract 6

The Effect of Granulocyte Colony-Stimulating Factor on Expression of Selected Regulatory Proteins Responsible For Cell Injury or Survival in The Brain of Newborn Piglets Following Cardiopulmonary Bypass and Circulatory Arrest

Peter PASTUSZKO, Afsaneh PIRZADEH, Erin READE, Johanna KUBIN, Alberto MENDOZZA, Gregory J SCHEARS, William J GREELEY, Anna PASTUSZKO Rady Children's Hospital, San Diego, USA

15:00 Oral Abstract 7

Homograft Performance in 84 Pediatric Ross Patients – Results from the German-Dutch Ross Registry

Jürgen HÖRER, Julie CLEZIOU, Thorsten HANKE, Johanna J M TAKKENBERG, Ulrich STIERLE, Hans H SIEVERS, Rüdiger LANGE German Heart Center, Munich, Germany

15:15 Oral Abstract 8

Experience of Anatomical Repair for Ebstein's Anomaly in 100 Patients

Qingyu WU, Guangyu PAN, Lianyi WANG, Xingpeng CHEN, Hongyin LI *First Hospital of Tsinghua University*, *Beijing*, *China*

15:30 BREAK

SESSION 8: 16:00 – 17:30

Chairmen: Christo I. Tchervenkov, Montreal, Canada Jeffrey P. Jacobs, St. Petersburg, USA



Wednesday June 24, 2009 – 9:00 to 17:30 (Joint Sessions World Society/World Congress)

SESSION 9: 9:00 – 10:30

Chairmen: Marshall L. Jacobs, *Philadelphia*, USA (WSPCHS) Yves D'Udekkem, *Melbourne*, *Australia* (WCPCCS)

09:00 Oral Abstract 9

Tee Guided Minimally Invasive Perventricular Device Occlusion of Ventricular Septal Defects Without Cardiopulmonary Bypass: Multi-Center Results And Experience

Q XING, S PAN *China*

09:15 Oral Abstract 10

An Optimal Surgical Technique of Congenital Aortic Arch Disease
Oingyu W.L. Xingneng CHEN, licheng XI, Rui

Qingyu WU, Xingpeng CHEN, Jicheng XI, Rui ZHU First Hospital of Tsinghua University, Beijing, China

09:30 Oral Abstract 11

Right Ventricle-to-Pulmonary Artery Shunt in Norwood Procedure for Children with Hypoplastic Left Heart Syndrome – 200 Cases Results

Katarzyna JANUSZEWSKA, Reiner KOZLIK-FELDMAN, Zbigniew KORDON, Marcus LOEFF, Sabine GREIL, Julia BIRNBAUM, Bruno REICHART, Edward MALEC Klinikum Grosshadem, Ludwig Maximilians University, Munich, Germany

09:45 Oral Abstract 12

Hard Choices for High-Risk Patients with Critical Left Ventricular Outflow Obstruction: Contemporary Comparison of Hybrid Versus Surgical Strategies

Christian PIZARRO, Jacek KOLCZ, Christopher D DERBY,
Dore KLENK, Gina BAFFA, Wolfgang A RADTKE

Alfred I duPont Hospital for Children, Wilmington, USA

10:00 Oral Abstract 13

Recoarctation after the Norwood Stage I Procedure

Douglas A WALL, John STICKLEY, Oliver STUMPER, Zdenka REINHARDT, Sara MELI, Timothy JONES, David J BARRON, William J BRAWN Birmingham Children's Hospital, Birmingham, United Kingdom

10:15 Oral Abstract 14 (1496)

Reconstruction of the Heart and Pericardium with Decellularized Porcine Extracellular Matrix Scaffold: Human Applications in Congenital Heart Disease

Frank SCHOLL, Richard PERRYMAN, Kak C CHAN, Llliam VALDES-CRUZ, Mark M BOUCEK Joe DiMaggio Children's Hospital, Hollywood, Florida, USA

10:30 BREAK

SESSION 10: 11:00 – 12:30

Chairmen: Jeff L. Myers, Boston, USA (WSPCHS)

David R. Andrews, Perth, Australia (WCPCCS)

11:00 Oral Abstract 15

Heterotaxy Congenital Heart Disease Patients with Ciliary Dysfunction: Possible Role In Morbidity

Nader J NAKHLEH, Linda LEATHERBURY, Richard A JONAS, Rachel A GIESE, Margaret W LEIGH, Michael R KNOWLES, Richard JB FRANCIS, Cecilia W LO Children's National Medical Center & National Institutes of Health, Washington, USA

11:15 Oral Abstract 16

Heterotaxy Patients with Congenital Heart Disease and Increased Postoperative Respiratory Respiratory Complications

Linda LEATHERBURY, Matthew W SWISHER, Richard A JONAS, Xin TIAN, Gearard R MARTIN, Cecilia W LO Children's National Medical Center & National Institutes of Health,

Children's National Medical Center & National Institutes of Health, Washington, USA

11:30 Oral Abstract 17

Pulmonary Venous Anatomy and Incidence of Obstruction in Total Anomalous Pulmonary Venous Connection(Tapvc) Associated with Heterotaxia Syndrome

> Makoto ANDO, Yukihiro TAKAHASHI, Naoki WADA Sakakibara Institute, Fuchu, Japan

11:45 Oral Abstract 18

Aortic Cusp Extension Valvuloplasty in Children and Adolescents: Long Term Results and Freedom from Aortic Valve Replacement

Anastasios C POLIMENAKOS, Shyam SATHANANDAM, Chawki F el ZEIN, David A ROBERSON, Mary J BARTH, Robert SD HIGGINS, Michel N ILBAWI The Heart Institute for Children at Advocate Hope Children's Hospital, Rush University Medical Center, Chicago, USA

12:00 Oral Abstract 19

Excellent Surgical Results of Extra-Cardiac Conduit Total Cavopulmonary Connection: Analysis of Consecutive 364 Cases

Toshihide NAKANO, Hideaki KADO, Kazuhiro HINOKIYAMA, Shin-ichiro ODA, Takahisa SAKURAI, Kunihiko JOO Fukuoka Children's Hospital, Fukuoka, Japan

12:15 Oral Abstract 20

Biointegration and Growth of Porcine Valved Pulmonary Conduits:

Experimental Model in a Sheep

Glaucio FURLANETTO, Carlos H PASSERINO, José M COSTA, Patricia M DODD, Rolland SIEGEL, David T CHUENG, Sidney LEVITSKY, Ivan S J CASSAGRANDE Instituto Furlanetto, São Paulo, Brazil

12:30 LUNCH

SESSION 11: 14:00 – 15:30

Chairmen: Jinfen Liu, Shanghai, China (WSPCHS)
Kirsten Finucune, Auckland, New Zealand (WCPCCS)

14:00 Oral Abstract 21

Mid-Term Results of Surgical Repair in Patients with Double Outlet Right Ventricle

Eun Young CHOI, Hong Gook LIM, So Ick JANG, Soo Jin KIM, Jin Young SONG, Woo Sub SHIM, Chang Ha LEE, Cheul LEE Sejong General Hospital, Democratic People's Republic of Korea

14:15 Oral Abstract 22

Ross-Konno Procedure in Children - Mid-Term Results

Viktor HRASKA, Christian LILLIE, Andrea KANTOROVA, Joachim PHOTIADIS, Christo FINK, Boulos ASFOUR, François LACOUR-GAYET, Christo HAUN German Pediatric Heart Center, Asklepios Clinic, Sankt Augustin, Germany

14:30 Oral Abstract 23

Long Term Outcome of Ventricular Septation for Single Left Ventricle

Yusuke IWATA, Yasuharu IMAI, Kazuaki ISHIHARA, Takeshi KONUMA, Yuji NAITOH, Masahide KOMAGAMINE, Toshio NAKANISHI, Hiromi KUROSAWA

Tokyo Women's Medical University, Tokyo, Japan

14:45 Oral Abstract 24

Transposition of the Great Arteries with Ventricular Septal Defect and Pulmonary Stenosis: Is the Rastelli Operation Still a Good Option

John W BROWN, Mark RUZMETOV, Daniel HUYNH, Mrak D RODEFELD, Mark W TURRENTINE, Andrew C FIORE

Indiana University School of Medicine, Indianapolis, USA St. Louis University School of Medicine, St. Louis, USA

15:00 Oral Abstract 25

Surgical Treatment of the Transposition of the Great Arteries with Pulmonary Stenosis: Mid-Term Results

Katrin WEYAND, Christoph HAUN, Hedwig-Christine BLASCHCZOK, Martin SCHNEIDER, Nicole TOUSSAINT-GOETZ, Boulos ASFOUR, Nicodeme SINZOBAHAMVYA, Viktor HRAŠKA German Pediatric Heart Center, Sankt Augustin, Germany

15:15 Oral Abstract 26

Does the Mitral Annulus Grow in Children Following Early Mechanical Valve Replacement?

Lucian A DURHAM, Harold M Burkhart, Joseph A Dearani, Francisco J Puga, Patrick W O'Leary, Hartzell V Schaff The Mayo Clinic, Rochester, Minnesota, USA

15:30 BREAK

SESSION 12: 16:00 – 17:30

Chairmen: John Hewitson, Cape Town, South Africa (WSPCHS)
Ian A. Nicholson, Sydney, Australia (WCPCCS)

16:00 Oral Abstract 27

Neoaortic Valve Function 10-18 Years After Arterial Switch Operation (Aso) for Transposition of the Great Arteries (Tga). One Centre Experience

Krzysztof W MICHALAK, Jadwiga A MOLL, Katarzyna MLUDZIK, Marek KOPALA, Andrzej SYSA, Jacek J MOLL

Department of Cardiosurgery, Polish Mother's Memorial Hospital, Lódz, Poland

16:15 Oral Abstract 28

Long Term Results of Modified Fontan Operation for Single Ventricular Patients Associated with Atrioventricular Valve Regurgitation

Yuji NAITO, Yasuharu IMAI, Kazuaki ISHIHARA, Takeshi HIRAMATSU, Kouta AGEMATSU, Masaki SASOH, Toshio NAKANISHI, Hiromi KUROSAWA Department of Cardiovascular Surgery, Heart Institute of Japan, Tokyo Women's Medical University, Tokyo, Japan

16:30 Oral Abstract 29

Surgical Repair for Congenital Mitral Valve Dysplasia: A Single Center 36 Years Experience

Giovanni STELLIN, Massimo A PADALINO, Giovanna BOCCUZZO, Vladimiro L VIDA, Roberta BIFFANTI, Ornella MILANESI Department of Paediatrics, University of Padua, Padova, Italy

16:45 Oral Abstract 30

Long-Term Survival and Freedom From Reintervention in Patients with Congenital Aortic Stenosis after Balloon Valvuloplasty vs Operative Commissurotomy

Boris A NASSERI, Peter EWERT, Hashim ABDUL-KHALIQ, Christof STAMM, Vladimir ALEXI-MESKISHVILI, Yu-Guo WENG, Felix BERGER, Roland HETZER Deutsche Herzzentrum, Berlin, Germany

17:00 Oral Abstract 31

Congenital Left-to-Right Shunts with Severe Pulmonary Artery Hypertension: Comparison of Outcomes of Surgical or Non-Surgical Treatment Adjusted by Propensity Score

Hui-li GAN, Jian-qun ZHANG, Qi-wen ZHOU, Ping BO Cardiac Surgery Department, Beijing Anzhen Hospital, Capital Medical University, Beijing, China

17:15 Oral Abstract 32

Tricuspid Valve Replacement in Ebstein Anomaly: Improved Outcomes with Bioprostheses

Morgan L BROWN, Joseph A DEARANI, Gordon K DANIELSON, Frank CETTA, Heidi M CONNOLLY, Carole A WARNES, David J DRISCOLL Mayo Clinic, Rochester, USA

