

***JOINT SCIENTIFIC MEETING  
SOCIEDAD LATINA DE CARDIOLOGÍA Y CIRURGÍA  
CARDIOVASCULAR PEDIÁTRICA***

***&***

***WORLD SOCIETY FOR PEDIATRIC AND  
CONGENITAL HEART SURGERY***

***CARTAGENA, COLOMBIA, FEBRUARY 26-28, 2015***

**PROGRAM**

**Local Hosts:** Gustavo Restrepo, Bogotá, Colombia  
Néstor Sandoval, Bogotá, Colombia

**Local Committee:** Chair: Néstor Sandoval, Bogotá, Colombia  
Gustavo Restrepo, Bogotá, Colombia  
Marisol Carreño, Bogotá, Colombia  
Víctor Caicedo, Bogotá, Colombia  
Juan G. Gallego, Bucaramanga, Colombia  
Walter Mosquera, Cali, Colombia.  
Juan Santiago Jaramillo, Medellin, Colombia

# Program Committee

**Chairs:** Nestor Sandoval, Bogota, Colombia  
Marisol Carreño, Bogotá, Colombia  
Christo I. Thervenkov, Montreal Canada

Raul Abella, Barcelona, Spain  
Hafil Abdulgani, Djakarta, Indonesia  
Zohair Al-Halees, Riyadh, Saudi Arabia  
Miguel Arboleda, Lima, Peru  
Edimar Atik, Sao Paulo, Brazil  
Pedro A. Becker, Santiago, Chile  
Jacek Bialkowsky, Warsaw, Poland  
Victor Caicedo, Bogotá, Colombia  
Horacio Capelli, Buenos Aires, Argentina  
Victor Castillo, Bucaramanga, Colombia  
Jorge Cervantes, México City, México  
Sertac M. Cicek, Istanbul, Turkey  
Gabriel Diaz, Bogota, Colombia  
Luis H. Diaz, Medellin, Colombia  
Jose Figueredo, Caracas, Venezuela  
Jose Fragata, Lisbon, Portugal  
Beatriz Furlanetto, Sao Paolo, Brazil  
Pablo Garcia Deluchi, Buenos Aires, Argentina  
Lucia Gordillo, Quito, Ecuador  
Alexandra Heath, Cochabamba, Bolivia  
Krishna S. Iyer, New Delhi, India  
Jeffrey P. Jacobs, St. Petersburg, USA  
Marshall L. Jacobs, Baltimore, USA  
Marcelo Jatene, Sao Pablo, Brazil  
Richard A. Jonas, Washington, USA  
James K. Kirklin, Birmingham, USA  
Jacqueline Kreutzer, Pittsburgh, USA  
Christian Kreutzer, Buenos Aires, Argentina  
Hiromi Kurosawa, Tokyo, Japan  
Rubén Leone, Montevideo, Uruguay  
Pablo Marantz, Buenos Aires, Argentina  
Gerardo Mora, San Jose, Costa Rica  
Victor Morell, Pittsburgh, USA

**Ricardo Muñoz, Pittsburgh, USA**  
**Alexis Palacios, , México City, México**  
**Erika Perez, Cochabamba, Bolivia**  
**Christian Pizarro, Wilmington ,USA**  
**Juan Ramirez, Santiago, Dominican Republic**  
**E. Samuel Ramirez, Mexico City, Mexico**  
**Miguel Ronderos, Bogota, Colombia**  
**Miguel de la Rosa, Panama City, Panama**  
**Miguel Ruz, Medellin, Colombia**  
**Eduardo Sancho, Campinas, Brazil**  
**Shunji Sano, Okayama, Japan**  
**Giovanni Stellan, Padova, Italy**  
**James St. Louis, Kansas City, USA**  
**James S. Tweddell, Milwaukee, USA**  
**Walter Vicente, Riverao Preto, Brazil**  
**Carlos Zabal, México City, México.**  
**Jorge Alberto Zapata, Medellin, Colombia**

**Wednesday February 25, 2015**

**Governing Council Meeting – 18:00 to 21:00**

**Room Kalamary, Hilton Hotel 1<sup>st</sup> Floor**

# **Postgraduate Course**

**SYMPOSIA ON PULMONARY ATRESIA,  
VENTRICULAR SEPTAL DEFECT &  
PULMONARY ATRESIA,  
INTACT VENTRICULAR SEPTUM: FROM A TO Z**

## **Postgraduate Course Committee**

**Co-Chairs: Nestor Sandoval, Bogotá, Colombia  
Christo I. Tchervenkov, Montreal, Canada  
Marisol Carreño, Bogotá, Colombia**

**Victor Caicedo, Bogotá, Colombia  
Horacio Capelli, Buenos Aires, Argentina  
Sertac M. Cicek, Istanbul, Turkey  
Jose Fragata, Lisbon Portugal  
Jeffrey Jacobs, St Peterburg , USA  
Marshall L. Jacobs, Baltimore, USA  
Marcelo B. Jatene, Sao Paulo, Brazil  
Richard A. Jonas, Washington, USA  
James K. Kirklin, Birmingham, USA  
Christian Kreutzer, Buenos Aires, Argentina  
Hiromi Kurosawa, Tokyo, Japan  
Ruben Leone, Montevideo, Uruguay  
Pablo Marantz, Buenos Aires, Argentina  
E. Samuel Ramirez-Marroquin, Mexico City, Mexico  
Giovanni Stellin, Padova, Italy**

**Thursday, February 26, 2014 – 8:00 to  
17:00**

**PULMONARY ATRESIA,  
VENTRICULAR SEPTAL DEFECT**

**Session 1: 8:00 – 10:30**

**Nomenclature, Morphology and Diagnosis**

**Chairmen: Nestor Sandoval, Bogota, Colombia  
Hiromi Kurosawa, Tokyo, Japan  
Christo I. Tchervenkov, Montreal, Canada**

8:00 Welcome from Local Host & Chairman, Program Committee  
President, Sociedad Latina

**Nestor Sandoval  
Bogota, Colombia**

8:05 Welcome from Local Host & President, Sociedad Colombiana

**Gustavo Restrepo  
Bogota, Colombia**

8:10 Welcome from President, World Society

**Hiromi Kurosawa  
Tokyo, Japan**

8:15 Nomenclature & Classification

**Christo I. Tchervenkov  
Montreal, Canada**

8:30 Embryology, Anatomy and Genetics

**Bruno Marino,  
Rome, Italy**

8:45 Fetal echo, pathophysiology and clinical presentation

**Tiscar Cavalle  
Montreal, Canada**

9:00 Imaging in Pulmonary Atresia, VSD: The Role of Echocardiography

**Tal Geva  
Boston, USA**

9:15 Imaging in Pulmonary Atresia, VSD: The Role of CT, MRI

**Francisco Castillo  
Mexico City, Mexico**

9:30 Imaging in Pulmonary Atresia, VSD: The Role of Angiography

**Diego Porras  
Boston, USA**

9:45 Role of interventional therapy pre- and post-repair

**Carlos Zabal Cerdeira  
Mexico City, Mexico**

### **Oral Presentation 1 (10:00 - 10:30)**

10:00 Descripción anatómica, clínica y sobrevida de los pacientes con atresia pulmonar que han sido llevados a angioplastia con stent en el ductus en el periodo 2009-2014.

**Garcia, Alberto; Caicedo, Mónica; Ronderos, Miguel; Reyes, Martha;  
Guerra, Alberto; Cárdenas, Ivonne; Stapper, Claudia; Huertas, Manuel.**

10:10 Unifocalización de arterias colaterales sistémico-pulmonares en la atresia pulmonar con comunicación interventricular en unico tiempo con circulación extracorpórea y mediana toracotomía.

**Furlanetto, Gláucio; Furlanetto, Beatriz; Henriques, Sandra Regina; Miranda Teixeira, Eduardo; Morasco Geraldini Porto, Carolina; Cristóvão, Salvador André.**

10:20 Manejo y evolución de la Atresia Valvular Pulmonar con Septum Intacto (Cardiología - 1048)

**Zapata Sánchez, Margarita María; Carvajal Kalil, Luis Fernando; Díaz Medina, Luis Horacio; Lince Varela, Rafael; Guzman**

**Break: 10:30 - 11:00**

**Session 2: 11:00 – 12:00**

### **Surgical Management I**

**Chairmen: Richard A. Jonas, Washington, USA**

**Beatriz Furlanetto, Sao Pablo, Brazil**

**Víctor Caicedo, Bogotá, Colombia**

11:00 Surgical management for PA, VSD without MAPCA's  
(Tetralogy, Pulmonary atresia)

**Richard A. Jonas  
Washington, USA**

11:15 20 Years Follow up of Unifocalization for MAPCAs

**Hiromi Kurosawa  
Tokyo, Japan**

11:30 Surgical Management for PA, VSD, MAPCA's: Single-stage bilateral pulmonary unifocalization & repair

**Victor Morell,  
Pittsburgh, USA**

11:45 Surgical management for PA, VSD without unifocalization of  
MAPCA's: Is there a role?

**Shunji Sano  
Okayama, Japan**

### **12:00-13:00 Poster Evaluation Exhibition Hall**

**Chairmen: Richard A. Jonas, Washington, USA**

**Beatriz Furlanetto, Sao Pablo, Brazil**

**Víctor Caicedo, Bogotá, Colombia**

### **Oral Presentation 2 (12:00-13:00 )**

12:00 Intervencionismo hemodinámico agudo en postquirúrgico temprano de  
cardiopatías congénitas (Hemodinamia - 1015)

**Gallego Giraldo, Juan Guillermo; Saaibi Solano, Federico; Duran,  
Alvaro; Castro, Javier; Florez, Claudia; Blanco, Leonardo; Karl,  
Gabriela.**

12:10 El uso de switch arterial en pacientes con transposición de grandes  
arteria es seguro aún en mayores de 30 días (Cirugía cardiovascular - 1066)

**Chalela, Tomas; Sandoval Reyes, Néstor Fernando; Obando, Carlos;  
Carreño Jaimes, Marisol.**

12:20 El Score de Vasoactivos – Inotrópicos es una herramienta útil para el  
cuidado de pacientes pediátricos críticos en postoperatorio de cirugía de  
cardiopatías congénitas (Cuidado Crítico - 1070)



**Reyes Casas, Martha Cecilia; Guerra Romero, Alberto Rafael;  
Manzanera, Luis Alberto.**

12:30 Simplified mitral valve repair in pediatric patients with connective tissue disorders (Hemodinamia - 1119)

**Vricella, LA; Cameron, DE; Mavroudis, C; Jaquiss, RJ; Arbustini, E;  
Ravekes, WA.**

12:40 Conocimiento y aplicación del tamizaje neonatal de cardiopatías congénitas críticas, mediante el uso de oximetría de pulso. Resultado de encuesta (Cardiología - 1012)

**Suarez, Diana Vanessa; Morcillo, Karen; Valencia, Angelo; Vallejo, Ernesto; Madrid, Antonio.**

12:50 Intervencionismo agudo en el postoperatorio cardiovascular de pacientes pediátricos con cardiopatías congénitas (Hemodinamia - 1016)

**Escobar Díaz, María Clara; Eraso Díaz del Castillo, Ana María; Díaz Medina, Luis Horacio; Lince Varela, Rafael**

**Lunch 13:00 - 14:00**

## **Session 3: 14:00 – 15:30**

### **Surgical Management II**

**Chairmen: Eduardo Sancho, Sao Pablo, Brazil**

**Sertac Cicek, Istanbul, Turkey**

**Miguel Ruz, Medellin, Colombia**

14:00 What is the Optimal Surgical Approach for PA, VSD, MAPCA's?

**Thomas L. Spray**

## Philadelphia, USA

14:15 Anesthesia and Intra-operative Management

**Juan Camilo Giraldo**  
**Bogota, Colombia**

### **Oral Presentation 3 (14:30 - 15:30)**

14:30 ¿Las reoperaciones en cirugía cardiovascular pediátrica son un factor de riesgo independiente de morbi-mortalidad? (Cirugía cardiovascular - 1067) **Villa Hincapié, Carlos Andrés; Sandoval Reyes, Néstor Fernando; Obando López, Carlos Eduardo.**

14:40 Detección precoz de hipertensión pulmonar severa en niños habitantes de moderada altura: Bogotá, ubicada a 2.640 mts sobre el nivel del mar (Cardiología - 1081)  
**Díaz Góngora, Gabriel; Márquez, Alicia.**

14:50 Relación entre el ancho de distribución eritrocitario y complicaciones posquirúrgicas en niños con cardiopatías congénitas (Cuidado Crítico - 1054)  
**Ruz Montes, Miguel; Zapata, Margarita; Guzmán, Mónica; Valencia, Angelo; Ramírez, Mónica; Donado Perna, Juan Roberto.**

15:00 Resultados del manejo en cardiopatías congénitas llevadas a procedimiento quirúrgico en un hospital universitario de Bogotá durante los años 2006-2014 (Cirugía cardiovascular - 1028)  
**Rios Dueñas, Edgar Giovanny; Casanova Bermeo, Lucía Fernanda; Correa Ortiz, Juan Rafaél.**

15:10 Impacto del síndrome de ventrículo izquierdo hipoplásico como predictor de morbimortalidad en cirugía de Fontan (Cirugía cardiovascular - 1023)

**González Menchén, Cristina; García-Cuenllas Alvarez, Luisa; Gil Juarena, Juan Miguel; Zunzunegui, José Luis; Ballesteros, Fernando; Pérez Caballero, Ramón; Medrano López, Constancio; Alvarez Martín, Teresa; Camino López, Manuela; Maroto Alvaro, Enrique.**

15:20 How pregnancy can modify functional class in patients operated for congenital heart disease (Cardiología - 984)

**Daliento, Luciano; Elettra, Pomiatto; Mazzotti, Elisa; Giulia, Meneguzzo; Barbara, Bauce**

**Break: 15:30 - 16:00**

# **Session 4: 16:00 – 17:00**

## **Miscellaneous Session**

**Chairmen: Thomas Spray, Philadelphia, USA  
Emilia Patiño, México City, México  
Victor Castillo, Bucaramanga, Colombia**

16:00 Reoperations after repair of PA, VSD

**Marcelo B. Jatene  
Sao Paulo, Brazil**

16:15 Role of Transplantation for PA, VSD and PA, IVS

**James K. Kirklin  
Birmingham, USA**

16:30 Role of Anticoagulation following the Fontan Operation

**Marshall L. Jacobs  
Baltimore, USA**

16:45 Disussion

**17:00 – 18:30 WSPCHS annual members meeting  
Room 302 B, Level 3, Convention Center**

**Welcome Reception 18:30 – 20:00**

**SCC, WSPCHS - Sociedad Latina faculty dinner (Pirate Ship)  
21:00-23:00**

**Friday February 27, 2015 – 8:30 to  
17:00**

**PULMONARY ATRESIA,  
INTACT VENTRICULAR SEPTUM**

**Session 5: 8:30 – 10:30**

**Nomenclature, Morphology, Diagnosis, Interventional**

**Chairmen: Marcelo Jatene, Sao Paulo, Brazil  
Raul Abella, Barcelona, Spain  
Gabriel Díaz, Bogotá, Colombia**

8:30 Nomenclature & Classification

**Jeffrey P. Jacobs  
St. Petersburg, USA**

8:45 Embryology, Anatomy and Genetics

**Bruno Marino  
Rome, Italy**

9:00 Fetal echo, pathophysiology and clinical presentation

**Tiscar Cavalle  
Montreal, Canada**

9:15 Imaging in Pulmonary Atresia, IVS: The Role of Echocardiography

**Edmar Atik  
Sao Paulo, Brazil**

9:30 Imaging in Pulmonary Atresia, IVS: The Role of CT, MRI

**Tal Geva**

**Boston, USA**

9:45 Role of Angiography and Radiofrequency

**Jacqueline Kreutzer**

**Pittsburgh, USA**

10:00 Long-Term Functional Outcome: CHSS Multiinstitutional Studies

**Tara Karamlou**

**San Francisco, USA**

**Break: 10:30 - 11:00**

# **Session 6: 11:00 – 12:00**

## **Surgical Management Approaches**

**Chairmen: Christian Kreutzer, Buenos Aires, Argentina  
Hafil Abdulgani, Jakarta, Indonesia  
Miguel Arboleda, Lima, Peru**

11:00 Two-ventricle Repair for PA, IVS

**Sertac Cicek  
Istanbul, Turkey**

11:15 One and a Half Ventricle Repair for PA, IVS

**Giovanni Stellan  
Padova, Italy**

11:30 Management of PA, IVS with Coronary Fistulae and RV- Dependent Coronary Circulation

**James St. Louis  
Kansas City, USA**

11:45 Stage Biventricular Repair for PA, IVS: the Okayama Experience

**Shunji Sano  
Okayama, Japan**

## **Oral Presentation 4 (12:00 - 12:30)**

12:00 Factores de riesgo de infección tras el uso de cierre esternal diferido en el tratamiento de cardiopatías congénitas complejas (Cirugía cardiovascular - 1080)

**Obando López, Carlos Eduardo; Sandoval Reyes, Néstor Fernando;  
Bresciani Buitrago, Gino Renato; Guerrero Becerra, Albert Franz;  
Carreño Jaimes, Marisol.**

12:10 Corazón de Taussig-Bing: corrección con procedimiento de Jatene.  
Experiencia en el Instituto Nacional de Cardiología Ignacio Chávez. (Cirugía  
cardiovascular - 1027)

**Morales Cruz, Margarito; Ramírez Marroquín, Edgar Samuel; Benita  
Bordes, Antonio; Calderón Colmenero, Juan; Patiño Baena, Emilia;  
Iturriaga Hernández, Alejandra Valeria; Cervantes Salazar, Jorge Luis.**

12:20 Use of new Extra - Large Cobalt-Chromium stents for the treatment of  
coarctation of the aorta in children and adults: immediate and midterm results.  
(Hemodinamia - 1034)

**Bialkowski, Jacek; Szkutnik, Malgorzata**

**Lunch: 12:00 – 14:00**

## **WSPCHS Database Committee Meeting**

**12:30 – 14:00**

**Room 302 B Level 3, Convention Center**

**Lunch box**

## **World Database for Pediatric and Congenital**

**Heart Surgery:**

**Defining the Future & the Needs in Latin America**

**Chairmen: James K. Kirklin, Birmingham, USA**

**Nestor Sandoval, Bogota, Colombia**

**Christo I. Tchervenkov, Montreal, Canada**



## **Session 7: 14:00 – 15:30**

### **Adult Congenital Heart Disease**

**Chairmen: Horacio Capelli, Buenos Aires, Argentina  
Walter Vicente, Riverao Preto, Brasil  
Jose Figueredo, Caracas Venezuela.**

14:00 Adults with Congenital Heart Disease: Present and Future

**Horacio Capelli  
Buenos Aires, Argentina**

14:15 Interventional Therapy in Adult With Congenital Heart Disease

**Diego Porras  
Boston, USA**

14:30 Arrhythmias in the Adult after Correction of Congenital Heart Disease:  
When and how to treat them?

**Pedro Iturralde  
Mexico City, Mexico**

14:45 Late Complications following repair of Transposition of the Great Arteries

**Marcelo Jatene**  
**Sao Paulo, Brazil**

**Oral Presentation 5: 15:00 – 15:30**

15:00 Reporte de éxito con cirugía de Fontan en un centro de referencia cardiovascular en Colombia. Experiencia de 20 años. (Cirugía cardiovascular - 1051)

**Guzmán, Mónica; Ruz Montes, Miguel; Lince Varela, Rafael; Díaz Medina, Luis Horacio; Siegert, Melissa; González, Nathalia.**

15:10 Application of new balloon catheters in the treatment of different valvular and vascular stenoses. (Hemodinamia - 1035)

**Szkutnik, Malgorzata; Bialkowski, Jacek**

15:20 Gender differences on ventricular function and Arrhythmias after surgical correction of Tetralogy of Fallot (Cardiología - 983)

**Daliento, Luciano; Mazzotti, Elisa; Pomiatto, Elettra; Dal Bianco, Lucía**

**Break 15:30-16:00**

**Session 8: 16:00 – 17:00**

**Miscellaneous: Diagnosis, Rare Lesions & Post-op Care**

**Chairmen: Edmar Atik, Sao Pablo, Brazil**  
**Martha Reyes, Bogotá, Colombia**  
**Alexandra Heath, Cochabamba, Bolivia.**

16:00 Future of Imaging Diagnostics in Congenital Heart Disease

**Tal Geva**  
**Boston, USA**

16:20 Arrhythmogenic Dysplasia of the Right Ventricle

**Luciano Daliento**

**Padova, Italy**

16:40 Innovations In Postoperative Care

**Ricardo Muñoz  
Pittsburg, USA**

**Sociedad Latina Annual Members Meeting**

**17:00- 18:00**

**Room 302 B , Level 3, Convention Center**

**18:00- 19:00 Annual members meeting, Sociedad Colombiana**

**Cardiología y Cirugía Cardiovascular**

**Barahona 3**

**20:00-24:00 Speakers, members of the board, Scientifics  
societies. Carriage city tour and dinner down town**

**Saturday, February 28, 2015 – 8:30 to**

**16:00**

**Session 9: 8:30 – 10:30**

**Univentricular Heart**

**Chairmen: Guillermo Kreutzer, Buenos Aires, Argentina  
Scarlet Sinisterra, Panama City, Panamá  
Juan Fernando Velez, Bogotá, Colombia**

8:30 Conduction Pathway in the Univentricular Heart

**Hiromi Kurosawa  
Tokyo, Japan**

8:45 One and a Half Ventricle Repair: Indications

**Christian Kreutzer**  
**Buenos Aires, Argentina**

9:00 Postoperative Care following the Fontan Operation

**Antonio Juanico**  
**Mexico City, México**

9:15 Transplantation for the Failing Fontan

**James Kirklin**  
**Birmingham, USA**

9:30 When is a Single Ventricle Repair is Better than Two Ventricle Repair?

**Richard Jonas**  
**Washington, USA**

**Oral Presentation 6: 9:50 – 10:30**

09:50 Arrhythmogenic cardiomyopathy: role of physical activity in the outcome of the disease (Cardiología - 985)

**Barbara, Bauce; Igor, Bertocci; Ilaria, Rigato; Alessandra, Rampazzo; Mazzotti, Elisa; Daliento, Luciano.**

10:00 Reemplazo de valvular pulmonar en postoperatorio tardío de Tetralogía de Fallot. ¿Podemos determinar el momento oportuno? (Cirugía cardiovascular - 1072)

**Sandoval Reyes, Néstor Fernando; Carreño Jaimes, Marisol; Obando López, Carlos Eduardo; Forero Melo, Julián F.; Bresciani, Gino Renato.**

10:10 Evaluación de resultados quirúrgicos en una serie de pacientes con canal auriculoventricular completo de una institución de cuarto nivel (Cirugía cardiovascular - 1030)

**Franco, Jaime; Caicedo, Lina María; Caicedo, Víctor; Cassalett, Gabriel; Núñez, Federico; Acosta, Carlos.**

10:20 Experiencia en estudios electrofisiológicos y ablación por radiofrecuencia en la población pediátrica en la Fundación Cardioinfantil (Electrofisiología - 1039)

**Arenas Auli, Alvaro; Sáenz, Luis Carlos; Rodríguez, Diego; Ronderos, Miguel; Stapper, Claudia; García, Alberto; Reyes, Marta; Guerra, Alberto; Huertas, Manuel; Cárdenas, Ivonne**

**BREAK 10:30 -11:00**

**Session 10: 11:00 – 12:20**

**Common Left and Right Heart Obstructive Lesions**

**Chairmen: Pablo Marantz, Buenos Aires Argentina  
Pedro Becker, Santiago, Chile  
Jacek Bialkowsky, Warsaw, Poland**

11:00 Tetralogy of Fallot: Should we do Early Repair?

**Beatriz Furlanetto  
Sao Paulo, Brazil**

11:20 Norwood Operation for HLHS: Present and Future

**Cristian Pizarro  
Wilmington, USA**

11:40 Aortic arch anomalies when and how to approach

Raul Abella  
Barcelona, Spain

**Lunch 12:00 - 14:00**

# **Session 11: 14:00 – 15:20**

## **Valvular Heart Disease**

**Chairmen: Samuel Ramirez, Mexico City, Mexico**  
**Christo Thervenkov, Montreal, Canada**  
**Ruben Leone, Montevideo, Uruguay**

14:00 Aortic Root Aneurism: Valve Sparing Operations  
**Luca Vricella**  
**Baltimore, USA**

14:20 Challenges in Congenital & Rheumatic Mitral Valve Disease  
**Jose Fragata**  
**Lisbon, Portugal**

14:40 Tricuspid Valve Disease: Surgical Indications  
**Christian Pizarro**  
**Wilmington, USA**

15:00 Tetralogy of Fallot in the Adult: Long-Term Post-Operative Evolution  
**Edmar Atik**  
**Sao Paulo, Brazil**

15:20 Percutaneous Intervention: When And Who?  
**Jacqueline Kreutzer**  
**Pittsburgh, USA**

## **AWARD PRESENTATIONS AND CLOSING REMARKS**

**15:40 – 16:00**

**Guillermo Kreutzer, Horacio Capelli, Nestor Sandoval, Marisol Carreño, Hiromi Kurosawa, Edmar Atik, Jose Fragata, Marshall L. Jacobs, Marcelo Jatene, Richard A. Jonas, E. Samuel Ramirez, Christo I. Tchervenkov.**