



## STS/EACTS Latin America Cardiovascular Surgery Conference

Cartagena, Colombia  
Hilton Cartagena  
November 15 – 17, 2018



### Program Directors

Juan P. Umaña, MD (Bogotá, Colombia)  
Vinod H. Thourani, MD (Washington, DC, USA)  
Nestor F. Sandoval, MD (Bogotá, Colombia)  
Jose L. Pomar, MD, PhD (Barcelona, Spain)  
Manuel Antunes, MD, PhD, DSc (Coimbra, Portugal)  
Joseph E. Bavaria, MD (Philadelphia, PA, USA)

### Day 1

#### Thursday November 15, 2018

8:00 a.m. – 8:10 a.m.	Opening Remarks
	<b>General Session: Mitral Valve</b>
	<b>Moderators:</b> Steven F. Bolling, MD, Michael J. Mack MD, and Juan P. Umaña, MD
8:10 a.m. – 8:22 a.m.	The Case for Watchful Waiting in Mitral Valve Regurgitation <i>Michael J. Mack, MD</i>
8:22 a.m. – 8:34 a.m.	Minimally Invasive Mitral Valve Repair: On vs Off Pump? Juan P. Umaña, MD and Vinod H. Thourani, MD
8:34 a.m. – 8:46 a.m.	Mitral Valve in Rheumatic Disease: Scenarios for Repairing versus Replacing <i>Steven F. Bolling, MD</i>
8:46 a.m. – 8:58 a.m.	Transcatheter Mitral Valve Replacement: Where Are We? <i>Vinod H. Thourani, MD</i>
8:58 a.m. – 9:10 a.m.	Mitral Valve Repair: Does Hospital Volume Matter? <i>Juan P. Umaña, MD</i>
9:10 a.m. – 9:20 a.m.	<b>Abstract I:</b> TBD Presenter
9:20 a.m. – 9:30 a.m.	<b>Abstract II:</b> TBD Presenter
9:30 a.m. – 10:00 a.m.	Panel Discussion
10:00 a.m. – 10:30 a.m.	<b>BREAK</b>

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<b>10:30 a.m. – 11: 00 a.m.</b>	<b>Antoni Gaudi and the Mitral Valve</b> Jose L. Pomar, MD, PhD
	<b>General Session: STS/EACTS and Latin America Quality and Outcomes Initiatives</b> <b>Moderators:</b> Daniel O. Navia, MD, Jeffrey P. Jacobs, MD, and Jose L. Pomar, MD, PhD
11:00 a.m. – 11:12 a.m.	International Databases/Their Role in Quality Improvement Worldwide <i>Orjan Friberg, MD, PhD</i>
11:12 a.m. – 11:24 a.m.	Bundled Payments in Cardiac Surgery <i>Jason Arora, MD</i>
11:24 a.m. – 11:36 a.m.	Does Volume in a Pediatric Cardiac Surgery Program Impact the Results? <i>Jeffrey P. Jacobs, MD</i>
11:36 a.m. – 11:48 a.m.	The Future of Randomized Trials: The Use of Registries <i>John C. Laschinger, MD</i>
11:48 a.m. – 12:00 p.m.	How the STS National Database Impacts a Cardiothoracic Surgery Division <i>Michael J. Mack, MD</i>
12:00 p.m. – 12:10 p.m.	<b>Abstract I:</b> TBD Presenter
12:10 p.m. – 12:20 p.m.	<b>Abstract II:</b> TBD Presenter
12:20 p.m. – 12:50 p.m.	Panel Discussion
<b>12:50 p.m. – 1:50 p.m.</b>	<b>LUNCH</b>

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## PARALLEL SESSIONS

	<b><u>Track I: How to Videos – Adult</u></b> <b>Moderators:</b> Jose L. Pomar, MD, PhD, Enrico Ferrari, MD, and Joseph E. Bavaria, MD	<b><u>Track II: How to Videos – Pediatric</u></b> <b>Moderators:</b> Nestor F. Sandoval, MD, David J. Barron, MD, and Marcelo B. Jatene, MD
1:50 p.m. – 2:00 p.m.	HOCM: The Midventricular Approach <i>Douglas Johnston, MD</i>	Mitral Valve Repair <i>Pedro J. del Nido, MD</i>
2:00 p.m. – 2:10 p.m.	Discussion	Discussion
2:10 p.m. – 2:20 p.m.	Rheumatic Mitral Valve Repair <i>Vinay Badhwar, MD</i>	Modified Konno Procedures <i>Christian Pizarro, MD</i>
2:20 p.m. – 2:30 p.m.	Discussion	Discussion
2:30 p.m. – 2:40 p.m.	Aortic Arch Replacement: The Elephant Trunk Technique <i>Malakh L. Shrestha, MD, PhD</i>	Aortic Valvuloplasty: Osaki Reconstruction of Aortic Valve in Children and Young Adults <i>Pedro del Nido, MD</i>
2:40 p.m. – 2:50 p.m.	Discussion	Discussion
2:50 p.m. – 3:00 p.m.	Transcatheter Valve in MAC <i>Enrico Ferrari, MD</i>	Double Switch Operation in LTGA: How I Do It <i>David J. Barron, MD</i>
3:00 p.m. – 3:10 p.m.	Discussion	Discussion

**3:10 p.m. – 3:30 p.m.**

**BREAK**

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## PARALLEL SESSIONS

	<b><u>Track III: Atrial Fibrillation</u></b> <b>Moderators:</b> Vinay Badhwar, MD, Filip P.A. Casselman, MD, PhD and Javier D. Maldonado, MD	<b><u>Track IV: Heart Failure / VADS</u></b> <b>Moderators:</b> Francis D. Pagani, MD, PhD, Christian A. Bermudez, MD, and Rodrigo Gonzalez, MD
3:30 p.m. – 3:42 p.m.	Does Ablation for AFIB Improve Long-Term Survival? <i>Vinay Badhwar, MD</i>	Update on Momentum 3 Trial: The Final Word? <i>Francis D. Pagani, MD, PhD</i>
3:42 p.m. – 3:54 p.m.	Concomitant AFIB Ablation: What Are the Right Lesion Set and Energy Source? <i>Javier D. Maldonado, MD</i>	How to Develop a Comprehensive Ventricular Assist Device Program <i>Rodrigo V. Gonzalez, MD</i>
3:54 p.m. – 4:06 p.m.	Should Hybrid Ablation Be the Standard of Care Instead of Transcatheter Ablation Techniques? <i>Christian C. Shults, MD</i>	What Is The Best Device for Post-Cardiotomy Short-Term Support? ECMO versus CentriMag versus Impella <i>Ezequiel J. Molina, MD</i>
4:06 p.m. – 4:18 p.m.	Minimally Invasive MV Surgery with Biatrial Maze Operation <i>Filip P.A. Casselman, MD, PhD</i>	ECMO as a Bridge to Heart Transplant in the Era of LVADs <i>Christian A. Bermudez, MD</i>
4:18 p.m. – 4:30 p.m.	The Left Atrial Appendage: Should it be Closed on Every Open Cardiac Surgery Case? <i>Nirav Patel, MD</i>	Mechanical Support in the Single Ventricle <i>Stephanie M. Fuller, MD</i>
4:30 p.m. – 4:40 p.m.	<b>Abstract I:</b> TBD Presenter	<b>Abstract I:</b> TBD Presenter
4:40 p.m. – 4:50 p.m.	<b>Abstract II:</b> TBD Presenter	<b>Abstract II:</b> TBD Presenter
4:50 p.m. – 5:20 p.m.	Panel Discussion	Panel Discussion

7:00 p.m.

Reception

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## Day 2

**Friday November 16, 2018**

7:00 a.m. – 8:00 a.m.

Resident Training – Breakfast

### **PARALLEL SESSION**

8:00 a.m. – 8:10 a.m.	Opening Remarks	Open Remarks
	<b><u>Track V: Aortic Valve</u></b> <b>Moderators:</b> Vinod H. Thourani, MD, Martin Grabenwöger, MD, and Vadim Kotowicz, MD	<b><u>Track VI: Congenital – Transposition of the Great Arteries</u></b> <b>Moderators:</b> Lorenzo Galletti, MD, PhD, David Barron, MD, and Marcelo B. Jatene, MD
8:10 a.m. – 8:22 a.m.	Minimally Invasive Aortic Valve Replacement Options <i>Douglas Johnston, MD</i>	Are There Indications for Atrial Switch (or Atrial Inversion Surgery) in the 21 <sup>st</sup> Century? <i>Marcelo B. Jatene, MD</i>
8:22 a.m. – 8:34 a.m.	Mechanical versus Bioprosthetic Aortic Valve Replacement: Time to Reconsider? <i>Christian Shults, MD</i>	Arterial Switch Operation and Complex Coronary Patterns <i>Lorenzo Galletti, MD, PhD</i>
8:34 a.m. – 8:46 a.m.	Are Heart Valve Referral Centers Feasible in Latin America? <i>Vadim Kotowicz, MD</i>	Surgical Options for TGA/LVOTO/PS <i>Mark G. Hazekamp, MD, PhD</i>
8:46 a.m. – 8:58 a.m.	TAVR or SAVR – A Glimpse into the Future <i>Orjan Friberg, MD, PhD</i>	Indications and Outcomes of Double Switch for Corrected Transposition of Great Arteries <i>David J. Barron, MD</i>
8:58 a.m. – 9:10 a.m.	The Role of Sutureless Valves in the Surgeon’s Armamentarium <i>Malakh L. Shrestha, MD, PhD</i>	Long-Term Follow-Up of the Arterial Switch Operation: Not as Good as It Gets? <i>Gil Wernovsky, MD</i>
9:10 a.m. - 9:20 a.m.	<b>Abstract I:</b> TBD Presenter	<b>Abstract I:</b> TBD Presenter
9:20 a.m. – 9:30 a.m.	<b>Abstract II:</b> TBD Presenter	<b>Abstract II:</b> TBD Presenter
9:30 a.m. – 10:00 a.m.	Panel Discussion	Panel Discussion

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<p>10:00 a.m. – 10:40 a.m.</p>	<p><b><u>Stump the Professor:</u></b>  <b><u>Aortic Valve/Mitral Valve/Heart Failure</u></b>  <b>Moderators:</b> Jose L. Pomar, MD, PhD and Joseph E. Bavaria, MD   <b>Panelists:</b> Steven F. Bolling, MD          Vinod H. Thourani, MD          Gebrine El Khoury, MD          Juan P. Umaña, MD</p>	<p><b><u>Stump the Professor:</u></b>  <b><u>Congenital</u></b>  <b>Moderators:</b> Pedro J. del Nido, MD and Nestor F. Sandoval, MD   <b>Panelists:</b> Christian Pizarro, MD          Stephanie M. Fuller, MD          Mark G. Hazekamp, MD, PhD          David J. Barron, MD</p>
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10:40 a.m. – 11:00 a.m.

BREAK

## PARALLEL SESSION

	<p><b><u>Track VII: Aorta/Aortic Arch/Neurologic Protections</u></b>  <b>Moderators:</b> Enrico Ferrari, MD, Joseph E. Bavaria, MD, and Eduardo Turner, MD</p>	<p><b><u>Track VIII: Congenital: Univentricular Heart</u></b>  <b>Moderators:</b> Stephanie M. Fuller, MD, Christian Kreutzer MD, and Jeffrey Jacobs, MD</p>
<p>11:00 a.m. – 11:12 a.m.</p>	<p>DEBATE: Aggressive Resection/Reconstruction of the Aortic Arch in Type A Dissection  <b>Pro:</b> <i>Martin Grabenwöger, MD</i></p>	<p>AV Valve Insufficiency in Univentricular Hearts: When and How I Fix It  <i>Pedro J. del Nido, MD</i></p>
<p>11:12 a.m. – 11:24 a.m.</p>	<p>DEBATE: Aggressive Resection/Reconstruction of the Aortic Arch in Type A Dissection  <b>Con:</b> <i>Thomas G. Gleason, MD</i></p>	<p>Surgical Options in Fontan Failure  <i>Stephanie M. Fuller, MD</i></p>
<p>11:24 a.m. – 11:36 a.m.</p>	<p>Debranching and Extended Endografting versus Total Surgical Reconstruction of the Arch – What Is the Evidence?  <i>Enrico Ferrari, MD</i></p>	<p>Is One and a Half Better than One?  <i>David Barron, MD</i></p>
<p>11:36 a.m. – 11:48 a.m.</p>	<p>Management of Malperfusion Syndrome in Type A Aortic Dissection  <i>Eduardo Turner, MD</i></p>	<p>Surgical and Interventional management of Lymphatic Complications After Univentricular Heart Repair  <i>Christian Kreutzer, MD</i></p>

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11:48 a.m. – 12:00 p.m.	Cannulation Strategy in Type A Dissection: Order Out of Chaos <i>Thomas G. Gleason, MD</i>	Is the Fenestration an Alternative to Reduce Complications Even at High Altitude? <i>Nestor F. Sandoval, MD</i>
12:00 p.m. – 12:20 p.m.	Is the Availability of New Aortic Devices Going to Change Our Index Operation for Type A Dissection? <i>Joseph E. Bavaria, MD</i>	<b>Abstract I:</b> TBD Presenter
12:20 p.m. – 12:30 p.m.	<b>Abstract I:</b> TBD Presenter	<b>Abstract II:</b> TBD Presenter
12:30 p.m. – 12:50 p.m.	Panel Discussion	Panel Discussion

**12:50 p.m. – 1:30 p.m.**

**LUNCH**

### PARALLEL SESSION

	<b><u>Track IX: Tricuspid Valve/Heart Failure</u></b> <b>Moderators:</b> Francis D. Pagani, MD, PhD, Alejandro Bertolotti, MD, and Ezequiel J. Molina, MD	<b><u>Track X: Aortic Root</u></b> <b>Moderators:</b> Malakh L. Shrestha, MD, PhD, Eduardo Turner, MD, and Francisco da Costa, MD
1:30 p.m. – 1:42 p.m.	Surgical Options to Prevent and Treat Tricuspid Valve Regurgitation in Heart Transplant Recipients <i>Alejandro M. Bertolotti, MD</i>	Options and Outcomes for Aortic Valve Plasty in Children and Young Adults <i>Mark G. Hazekamp, MD, PhD</i>
1:42 p.m. – 1:54 p.m.	Current Surgical Strategies in the Management of Tricuspid Valve Endocarditis <i>Vadim Kotowicz, MD</i>	Long-Term Results of Valve-Sparing Aortic Root Replacement: Reimplantation Technique <i>Gebrine El Khoury, MD</i>
1:54 p.m. – 2:06 p.m.	Right Heart Failure in LVAD Patients: Prevention and Management <i>Christian A. Bermudez, MD</i>	Decellularization of Aortic Homografts: South American and European Current Experience <i>Francisco da Costa, MD</i>

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2:06 p.m. – 2:18 p.m.	Percutaneous Technologies to Correct Tricuspid Regurgitation: Myth or Reality <i>Steven Bolling, MD</i>	To Do or Not to Do a Root in An Aortic Dissection <i>Joseph E. Bavaria, MD</i>
2:18 p.m. – 2:30 p.m.	Mitral Valve Surgery in the Low EF Patient Population: Is It Ever Too Late? <i>Francis D. Pagani, MD, PhD</i>	Aortic Root Replacement in Elderly Patients: VSRR, “Wheat Procedure,” or Bentall? <i>Eduardo Turner, MD</i>
2:30 p.m. – 2:40 p.m.	<b>Abstract I:</b> TBD Presenter	<b>Abstract I:</b> TBD Presenter
2:40 p.m. – 2:50 p.m.	<b>Abstract II:</b> TBD Presenter	<b>Abstract II:</b> TBD Presenter
2:50 p.m. – 3:20 p.m.	Panel Discussion	Panel Discussion

**3:20 p.m. – 3:40 p.m.    BREAK**

### PARALLEL SESSION

	<b><u>Track XI: Coronary Artery Disease</u></b> <b>Moderators:</b> Nirav Patel, MD, Daniel O. Navia, MD, and Jorge M. Balaguer, MD	<b><u>Track XII: Congenital – Neonatal and Early Surgery</u></b> <b>Moderators:</b> Christian Pizarro, MD, Mark G. Hazekamp, MD, PhD, and Christian Kreutzer, MD
3:40 p.m. – 3:52 p.m.	Incremental Value of Multiple Arterial Conduits in Coronary Artery Bypass Grafting <i>Nirav Patel, MD</i>	HLHS: How Far Have We Come? <i>Christian Pizarro, MD</i>
3:52 p.m. – 4:04 p.m.	Cardiac Artery Bypass Grafting in Diabetics: All Arterial or Hybrid? <i>Daniel O. Navia, MD</i>	New Strategies in the ICU: Management of Complex Neonatal Surgery <i>Gil Wernovsky, MD</i>

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4:04 p.m. – 4:16 p.m.	Optimal Management Strategies in Ischemic Ventricular Septal Rupture <i>Juan P. Umaña, MD</i>	Valve-Sparing Repair Techniques in Tetralogy of Fallot: Midterm Results and Therapeutic Implications <i>Pedro J. del Nido, MD</i>
4:16 p.m. – 4:28 p.m.	Radial Artery as the Second Arterial Graft: A New Appraisal <i>Marco Oliveira, MD</i>	Ross Procedure in Neonates and Infants: The European Experience <i>Mark G. Hazekamp, MD, PhD</i>
4:28 p.m. – 4:40 p.m.	Off-Pump Cardiac Artery Bypass Grafting: Perspectives After Two Decades <i>Jorge M. Balaguer, MD</i>	Neurodevelopmental Outcomes in Children with Complex CHD: How Can We Improve? <i>Gil Wernovsky, MD</i>
4:40 p.m. – 4:50 p.m.	<b>Abstract I:</b> TBD Presenter	<b>Abstract I:</b> TBD Presenter
4:50 p.m. – 5:00 p.m.	<b>Abstract II:</b> TBD Presenter	<b>Abstract II:</b> TBD Presenter
5:00 p.m. – 5:30 p.m.	Panel Discussion	Panel Discussion
5:30 p.m. – 5:45 p.m.	<b>Closing Comments</b>	<b>Closing comments</b>

### Day 3

#### Saturday November 17, 2018

8:00 a.m. – 9:00 a.m.

How Industry and Cardiothoracic Surgeons Work Together

**Moderators:** *Juan P. Umaña, MD and Vinod H. Thourani, MD*

**Panelist:** *Joseph E. Bavaria, MD, Michael J. Mack, MD, Jose L. Pomar, MD, PhD, and Steven F. Bolling, MD*

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