

STS/EACTS Latin America Cardiovascular Surgery Conference

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November 22 - 24, 2019 | ICC Cancun, Mexico

# Programme Guide



The Society  
of Thoracic  
Surgeons



**EACTS**  
European Association For Cardio-Thoracic Surgery

[CardiovascularSurgeryConference.org](http://CardiovascularSurgeryConference.org)



# STS/EACTS Latin America Cardiovascular Surgery Conference 2019



## Registration Opening Hours

Thursday, 21 November  
15:00 - 18:00

Friday, 22 November  
07:30 - 18:00

Saturday, 23 November  
07:00 - 18:00

Sunday, 24 November  
08:30 - 12:30



**The Society  
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# Welcome

Dear Colleagues,

Welcome to the third STS/EACTS Latin America Cardiovascular Surgery Conference, to Cancún and to the International Convention Center.

The Programme Directors and National Co-ordinators have put together an exciting programme featuring a world-class, international faculty who will address and explore the latest developments and best practices in coronary artery disease, valvular heart disease, congenital heart disease, thoracic aortic disease, atrial fibrillation, and the surgical management of heart failure.

In addition to the invited lectures and keynote presentations, the programme will feature original scientific abstracts in our oral and poster sessions, technical videos related to procedural expertise, trials and quality and outcomes sessions and interactive panel discussions. On Sunday morning you will also have the opportunity to practice your technical skills in our hands-on workshops – please ensure that you sign up in advance for these via the Registration Desk.

Whether you are a cardiothoracic surgeon, cardiologist, anaesthesiologist, perfusionist, physician assistant or affiliated health care professional, we offer you access to the highest level of education with the goal of improved patient management.

Thank you for joining us for this year's Conference. We trust that you will find it interactive, stimulating and inspiring.

## Programme Directors

José Luis Pomar, Spain

Joseph E. Bavaria, USA

Lorenzo Galletti, Italy

Patrick Perier, Germany

Nestor F. Sandoval, Colombia

Vinod H. Thourani, USA

Juan P. Umaña, Colombia

## National Co-ordinators

Alejandro Rey, Mexico

José Antonio Heredia Delgado, Mexico

# STS/EACTS Latin America Cardiovascular Surgery Conference 2019

Friday, 22 November 2019

## Plenary Sessions

General Session: Mitral Valve - COZUMEL ROOM

*Moderators: J L Pomar, Barcelona; A Rey, Mexico City*

08:00-08:10 Opening remarks *J Bavaria, Philadelphia; J L Pomar, Barcelona*

08:10-08:22 Mitral valve repair - when to resect and when to respect;

*P Perier, Bad Neustadt/Saale*

08:22-08:34 Rheumatic mitral valve repair: Should we persevere? *V Badhwar, Morgantown*

08:34-08:45 Off pump repair of mitral valve prolapse. Update of results; *S Livesey, London*

08:45-08:58 Minimally invasive vs. conventional mitral valve repair: Is there a real difference?  
*J P Umaña, Bogotá*

08:58-09:10 Transcatheter mitral valve repair and replacement; *V Thourani, Atlanta*

09:10-09:20 Abstract 036: Atrioventricular groove disruption: A surgical challenge in mitral valve surgery; *M Silva, Portugal*

09:20-09:30 Abstract 137: Percutaneous transeptal mitral valve implantation in failed surgical bioprosthetic valves. Early experience in Brazil; *M Oliveira, Brazil*

09:30-10:00 Panel discussion

10:00-10:30 Break

10:30-11:00 Keynote Address

Jump on the transcatheter train before it leaves the station

*M Mack, Dallas*

12:50-13:50 Lunch

General Session: STS/EACTS and Latin America Quality and Outcomes Initiatives - COZUMEL ROOM

*Moderators: O Garcia, Mexico City; J Heredia, Monterrey; V Thourani, Atlanta*

11:00-11:12 The Brazilian Registry - can it fill the gap? *O Mejia, São Paulo*

11:12-11:24 The European Quality Improvement Programme (QUIP); *D Pagano, Birmingham*

11:24-11:36 International STS database - ready for primetime? *M Mack, Dallas*

11:36-11:48 EUROMACS and Internacs databases for heart failure and left ventricular assist device; *D Pagano, Birmingham*

11:48-12:00 Public reporting: What does it mean for us? *S Fuller, Philadelphia*

12:00-12:10 Pay for performance in Latin America: Myth or reality? *J P Umaña, Bogotá*

12:10-12:20 Abstract 102: Outcomes of emergency re-sternotomy on the intensive care unit following cardiac surgery; *A M A Shafi, UK*

12:20-12:50 Panel discussion



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Friday, 22 November 2019

## Parallel Sessions

### How to Video Session I: Adult - COZUMEL ROOM

*Moderators: J Bavaria, Philadelphia; P Perier, Bad Neustadt/Saale; J L Pomar, Barcelona; E Turner, Santiago*

13:50-14:00 Aortic valve repair; *J Vojáček, Hradec Kralove*

14:00-14:06 Discussion

14:06-14:16 Minimally invasive aortic valve sparing root replacement; *M Shrestha, Hannover*

14:16-14:22 Discussion

14:22-14:32 Ross Procedure - how I do it; *I El-Hamamsy, Montreal*

14:32-14:38 Discussion

14:38-14:48 Dealing with excess tissue in mitral valve repair; *P Perier, Bad Neustadt/Saale*

14:48-14:54 Discussion

14:54-15:04 Bicuspid valve repair with the David V repair; *J Kelly, Philadelphia*

15:04-15:10 Discussion

15:10-15:40 **Break**

### How to Video Session II: Heart Failure - COBÁ ROOM

*Moderators: F Beyersdorf, Freiburg; F M Rincón, Bogotá*

13:50-14:00 Heart preservation for transplantation in 2020; *J L Pomar, Barcelona*

14:00-14:10 Discussion

14:10-14:20 Current strategies for extracorporeal membrane oxygenation cannulation; *N Brozzi, Miami*

14:20-14:30 Discussion

14:30-14:40 Minimally invasive ventricular assist device implant; *E Molina, Washington*

14:40-14:50 Discussion

14:50-15:00 Off pump left ventricular enhancement; *M Sitges, Barcelona*

15:00-15:10 Discussion

15:10-15:40 **Break**

### How to Video Session III: Congenital - TULUM ROOM

*Moderators: J Cervantes, Mexico City; N Sandoval, Bogotá; C Vazquez, Mexico City*

13:50-14:00 Transposition of the great arteries criss-cross heart with multiple ventricular septal defects and straddling of tricuspid valve; *V Hraska, Wisconsin*

14:00-14:10 Discussion

14:10-14:20 Repair of bicuspid aortic valve; *E Belli, Paris*

14:20-14:30 Discussion

14:30-14:40 Repair of truncus with severe truncal regurgitation; *C Pizarro, Wilmington*

14:40-14:50 Discussion

14:50-15:00 Left ventricular recruitment; *J Salazar, Houston*

15:00-15:10 Discussion

15:10-15:40 **Break**

# STS/EACTS Latin America Cardiovascular Surgery Conference 2019

Friday, 22 November 2019

## Parallel Sessions

### Parallel Session I: Myocardial Revascularization - COZUMEL ROOM

*Moderators: O Garcia, Mexico City; M Sousa Uva, Lisbon; V Thourani, Atlanta*

- 15:40-15:52 Arterial Graft Choices: Radial vs. BIMA; *J Grau, Ottawa*
- 15:52-16:10 Pedicled vs. Y-grafts: Which technique is optimal? *V Kotowicz, Buenos Aires*
- 16:10-16:22 How I do it: All arterial no-touch off-pump coronary artery bypass graft; *To be confirmed*
- 16:22-16:34 Minimally invasive coronary artery bypass graft: Techniques and outcomes; *J Sabik, Cleveland*
- 16:34-16:46 2nd graft choice in patients over 70 years of age; *N Brozzi, Miami*
- 16:46-16:58 Abstract 085: Coronary bypass 10-year follow-up in Colombia: clinical outcomes in off-pump vs on-pump; *F M Rincón, Colombia*
- 16:58-17:30 Panel discussion

### Parallel Session II: Atrial Fibrillation - COBÁ ROOM

*Moderators: A Berrebi, Paris; J P Umaña, Bogotá*

- 15:40-15:52 Mitral repair and left atrial appendage in all patients? Is this warranted? *P Perier, Bad Neustadt/Saale*
- 15:52-16:10 New approaches to atrial fibrillation through minimally invasive cardiac surgery; *V Badhwar, Morgantown*
- 16:10-16:22 How I do my biatrial maze operations; *M Moon, St Louis*
- 16:22-16:34 Is right side ablation mandatory in surgery? *S Livesey, London*
- 16:34-16:46 Anti-coagulation management of new post-op atrial fibrillation; *C Riera, Mexico City*
- 16:46-16:58 Abstract 053: Concomitant atrial fibrillation ablation during cardiac surgery: a single centre current practice and short-term outcomes; *A A Mistrian, UK*
- 16:58-17:10 Abstract 031: Relative risk for thrombus formation according to the left atrial appendage morphology in atrial fibrillation; *O. A. Garcia-Villarreal, Mexico*
- 17:10-17:30 Panel discussion

### Parallel Session III: Congenital Left Ventricular Obstruction - TULUM ROOM

*Moderators: V Hraska, Wisconsin; A Palacios, Mexico City; C Pizzaro, Wilmington*

- 15:40-15:52 Echocardiographic guidance; *C Vazquez, Mexico City*
- 15:52-16:10 Surgical management of sub-aortic obstruction with aortic valve resuscitation; *J Salazar, Houston*
- 16:10-16:22 Left ventricular outflow tract after repair: Sub-aortic membrane and patching; *S Fuller, Philadelphia*
- 16:22-16:34 The role of Ross and Ross Konno operation in complex left ventricular outflow tract obstruction; *L Galletti, Rome*
- 16:34-16:46 Left ventricular outflow tract after conotruncal anomalies repair; *To be confirmed*
- 16:46-16:58 Abstract 056: Surgical correction of aortic coarctation in neonates and infants: a single center analysis of the last 20 Years; *C Rodrigues, Portugal*
- 16:58-17:10 Abstract 014: Repair of complete atrio-ventricular septal defect: Is pre-operative admission for cardiac or respiratory failure associated with worse outcome? *M Hebal, UK*
- 17:10-17:30 Panel discussion

## Plenary Session

- 17:30-17:50 **Keynote Address - COZUMEL ROOM**  
Research is crucial in cardiac surgery  
*F Beyersdorf, Freiburg*
- 18:30-20:30 Reception at the El Mortero Restaurant



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Saturday, 23 November 2019

## Plenary Session

- 07:00-08:00 Recent trial data that will change your practice: A surgeon's discussion - COZUMEL ROOM  
*Moderator: J Bavaria, Philadelphia*  
*Panellists: S Bolling, Ann Arbor; A Rey, Mexico City; V Thourani, Atlanta*
- 08:00-08:10 Opening remarks; *V Thourani, Atlanta*
- General Session: Aortic Valve - COZUMEL ROOM  
*Moderators: A Berrebi, Paris; V Thourani, Atlanta; J Vojákček, Hradec Kralove*
- 08:10-08:22 Aortic valve repair - best first option? *C Villa, Bogotá*
- 08:22-08:34 Aortic valve repair in children and young adults; *V Hraska, Wisconsin*
- 08:34-08:46 Is reoperation with a tissue or mechanical aortic valve replacement still a valid option in the era of transcatheter aortic valve replacement? *T Nguyen, Houston*
- 08:46-08:58 New tissue valves: How promising are they? *R de Paulis, Rome*
- 08:58-09:10 Will transcatheter aortic valve replacement replace surgical aortic valve replacement across the spectrum, and when? *M Mack, Dallas*
- 09:10-09:20 Abstract 093: Minimally invasive thoracotomy approach to valvular procedures results in reduced operative, ventilator, and intensive care unit time during hospitalization versus sternotomy: A single-center retrospective review; *R J Vela, USA*
- 09:20-09:30 Abstract 108: Single-center experience of aortic valve replacement with a sutureless bioprosthesis: Prospective observation study; *S Hong, South Korea*
- 09:30-10:00 Panel discussion

## Parallel Sessions

- 10:00-10:40 Stump the Professor I: Aortic Valve, Mitral Valve - COZUMEL ROOM  
*Moderators: J Bavaria, Philadelphia; M Moon, St Louis; J L Pomar, Barcelona*  
*Panellists: A Berrebi, Paris; J Castillo, New York; V Thourani, Atlanta; E Turner, Santiago*
- 10:00-10:40 Stump the Professor II: Heart Failure and Treatment - COBÁ ROOM  
*Moderator: M Sitges, Barcelona*  
*Panellists: C Bermudez, Philadelphia; F Beyersdorf, Freiburg; E Molina, Washington*
- 10:00-10:40 Stump the Professor III: Congenital - TULUM ROOM  
*Moderators: S Fuller, Philadelphia; L Galletti, Rome; N Sandoval, Bogota*  
*Panellists: E Belli, Paris; V Hraska, Wisconsin; C Pizzaro, Wilmington; J Salazar, Houston*
- 10:40-11:00 Break

# STS/EACTS Latin America Cardiovascular Surgery Conference 2019

Saturday, 23 November 2019

## Parallel Sessions

Parallel Session IV: Heart Failure, Transplantation and Left Ventricular Assist Device - COZUMEL ROOM

*Moderators: J DeLaRosa, Pocatello; E. Molina, Washington; J L Pomar, Barcelona*

11:00-11:12 Carl Project on full body reperfusion after cardiac arrest; *F Beyersdorf, Freiburg*

11:12-11:24 Future technology: From hemo to bio compatible smart pumps;  
*E Molina, Washington*

11:24-11:36 Optimizing heart transplantation donors in 2020. What's new and validated?  
*C Bermudez, Philadelphia*

11:36-11:48 Heart transplantation in Latin America: Recent advances and future challenges;  
*Panel discussion*

11:48-12:00 From short to long-term mechanical support: When weaning is an option;  
*C Bermudez, Philadelphia*

12:00-12:12 Are transplant coordination models exportable? *J L Pomar, Barcelona*

12:12-12:22 Abstract 040: Comprehensive treatment of patient with chronic thromboembolic pulmonary hypertension in the Czech Republic; *J Lindner, Czech Republic*

12:22-12:32 Abstract 018: Extracorporeal membrane oxygenation for acute catastrophic hanta virus cardiopulmonary syndrome in an epidemic region in southern Chile. Is this support as good as ELSO reports?; *J C Bahamondes, Chile*  
12:32-12:50 Panel discussion

Parallel Session V: Aortic Arch/Descending Aorta - COBÁ ROOM

*Moderators: J Bavaria, Philadelphia; J Camacho, Bogotá; M Shrestha, Hannover*

11:00-11:12 Type A dissection, keeping it simple: The ascending/hemi-arch reign continues;  
*M Moon, St Louis*

11:12-11:24 Type A dissection, simple is stupid: The best arch procedure is Frozen Elephant Trunk (FET); *R de Paulis, Rome*

11:24-11:36 Type A dissection keeping it simple, but not too simple: The Zone 2 arch with sequential thoracic endovascular aortic repair concept; *N Desai, Philadelphia*

11:36-11:48 Acute Type B dissection: Is there enough data to support thoracic endovascular aortic repair for all cases? Or just those with high risk features?  
*B Leshnowar, Atlanta*

11:48-12:00 Is descending thoracic endovascular aortic repair for chronic Type B dissection really ready for prime time? Or is it just a "Failure of Concept"? *N Desai, Philadelphia*

12:00-12:12 Is complete ascending resection/replacement (open distal anastomosis or hemi-arch) necessary for bicuspid aortic valve aortopathy? A fair and balanced review;  
*A Della Corte, Naples*

12:12-12:22 Abstract 120: Characteristics and treatment status of aortic dissection in Chinese population – single center's experiences; *Q Zhou, China*

12:22-12:32 Abstract 087: The Bentall procedure: Clinical outcome and quality of life: 10-year experience in Latin-America; *F M Rincón, Colombia*

12:32-12:50 Panel discussion

Parallel Session VI: Congenital Controversies in Univentricular Heart - TULUM ROOM

*Moderators: J Cervantes, Mexico City; C Kreutzer, Buenos Aires; C Vazquez, Mexico City*

11:00-11:12 Conversion to biventricular repair; *J Salazar, Houston*

11:12-11:24 Surgical strategies for re-routing the lymphatic system; *V Hraska, Wisconsin*

11:24-11:36 Atrioventricular valve repair in single ventricle: Keeping it simple; *J Salazar, Houston*

11:36-11:48 Hypoplastic left heart syndrome lessons from 40 years of treatment;  
*C Pizarro, Wilmington*

11:48-12:00 Falling Fontan: Is there any future? *L Galletti, Rome*

12:00-12:12 Fontan operation at high altitude: Myth or reality; *N Sandoval, Bogotá*

12:12-12:22 Abstract 071: Post repair tetralogy of fallot reinterventions; *M Ahmed, Egypt*

12:22-12:32 Abstract 047: Pulmonary endarterectomy at high altitude; *A F Guerrero, Colombia*

12:32-12:50 Panel discussion

12:50-13:30 Lunch





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Saturday, 23 November 2019

## Parallel Sessions

Parallel Session VII: Cardiovascular Medicine: Surgery vs Transcatheter Approach - COZUMEL ROOM

*Moderators: I El Hamamsy, Montreal; M Moon, St Louis; J L Pomar, Barcelona*

- 13:30-13:42 Transcatheter aortic valve replacement vs. surgical aortic valve replacement trials. A last perspective for young surgeons from a cardiologist; *A Berrebi, Paris*
- 13:42-13:54 Lessons from paediatric transcatheter approaches; *L Galletti, Rome*
- 13:54-14:06 The tricuspid valve gets unexpected attention right now; *M Sitges, Barcelona*
- 14:06-14:18 Mitral surgery vs. transcatheter approach: Same results? *J Castillo, New York*
- 14:18-14:30 How to merge teaching programmes; *M Mack, Dallas*
- 14:30-14:40 Abstract 088: Transcatheter aortic valve replacement in patients with concomitant Heyde's syndrome: A case series; *A Iyengar, USA*
- 14:40-14:50 Abstract 066: Initial experience with the intuitive aortic valve rapid-deployment prosthesis in Argentina. First 30 cases; *R M Estrada Mendoza, Argentina*
- 14:50-15:20 Panel discussion
- 15:20-15:40 Break

Parallel Session VIII: Acute Problems and Surgery - COBÁ ROOM

*Moderators: J Grau, Ottawa; V Thourani, Atlanta; J P Umaña, Bogotá*

- 13:30-13:42 Acute mechanical complications of myocardial infarction: How to improve results; *M Sousa Uva, Lisbon*
- 13:42-13:54 Surgical management of acute pulmonary embolus; *To be confirmed*
- 13:54-14:06 My patient has a deep vasoplegia: What can I do? *J DeLaRosa, Pocatello*
- 14:06-14:18 The cardiogenic shock treatment. The team role of the surgeon; *E Molina, Washington*
- 14:18-14:30 Ventricular septal rupture: Not so deadly? *J Sabik, Cleveland*
- 14:30-14:40 Abstract 073: Can the intraaortic balloon pump be an efficient mechanical unloader of the left ventricle in veno-arterial extracorporeal membrane oxygenation therapy in cardiogenic shock. A strategy in the absence of IMPELLA; *J Parra, Columbia*
- 14:40-14:50 Abstract 038: Aorta type B dissection and petticoat technique. Experience a single center in follow up after 5 years; *Á Flores, Spain*
- 14:50-15:20 Panel discussion
- 15:20-15:40 Break

Parallel Session IX: Congenital Controversies in Transposition of the Great Arteries and Double Outlet Right Ventricle - TULUM ROOM

*Moderators: E Belli, Paris; S Fuller, Philadelphia; A Palacios, Mexico City*

- 13:30-13:42 Surgical management of double outlet right ventricle; *E Belli, Paris*
- 13:42-13:54 Nikaidoh, Rastelli, Réparation à l'étage ventriculaire, arterial switch operation?: What and when; *S Fuller, Philadelphia*
- 13:54-14:06 Expanding the limits of posterior aortic translocation; *V Hraska, Wisconsin*
- 14:06-14:18 Left side reoperation after arterial switch; *C Pizarro, Wilmington*
- 14:18-14:30 Surgical management of congenitally corrected transposition of the great arteries; *V Hraska, Wisconsin*
- 14:30-14:40 Abstract 076: Pediatric congenital heart disease treated via subaxillary mini thoracotomy: A single center experience; *W. Xing, China*
- 14:40-14:50 Abstract 077: Spectrum of anomalous aortic origin of right coronary arteries: Report of seven cases; *A M Palacio, Colombia*
- 14:50-15:20 Panel discussion
- 15:20-15:40 Break

# STS/EACTS Latin America Cardiovascular Surgery Conference 2019

Saturday, 23 November 2019

## Plenary Session

General Session: Aortic Root - COZUMEL ROOM

*Moderators: M Moon, St Louis; M Sousa Uva, Lisbon*

15:40-15:52 Aortic valve sparing root replacement in bicuspid aortic valve - The Gold Standard; *J Vojáček, Hradec Kralove*

15:52-16:04 Should we lower the threshold to replace the aortic root in bicuspid aortic valve? *E Roselli, Cleveland*

16:04-16:16 How to deal with the small aortic root; *M Shrestha, Hannover*

16:16-16:28 The Ross Procedure reborn; *I El-Hamamsy, Montreal*

16:28-16:40 Valve retention during Type A dissection: Is the root stable? *J Bavaria, Philadelphia*

16:40-16:50 Abstract 122: Can we call the modified Bentall according "Tirana 1" the new golden standard technique? *E Prifti, Albania*

16:50-17:00 Abstract 024: Surgical treatment of the aneurysm of the ascending aorta and aortic valve disease: Contemporary outcomes; *L R Jimenez-Hernandez, Mexico*

17:00-17:30 Panel discussion

17:30-17:50 **Keynote Address**

The busy surgeon innovation: Do they go hand in hand?

*S Bolling, Ann Arbor*

17:50-18:10 Closing remarks and abstract awards presentation *J Bavaria, Philadelphia; J L Pomar, Barcelona*

Sunday, 24 November 2019

## Workshops 09:00 - 12:30

Mitral & Tricuspid Valve Repair

*Facilitators: J Castillo, New York; P Perier, Bad Neustadt/Saale*

*Faculty: V Kotowicz, Buenos Aires; S Livesey, London; J L Pomar, Barcelona; A Rey, Mexico City; M Sitges, Barcelona; V Thourani, Atlanta; J P Umaña, Bogotá*

Surgery of the Aortic Valve & Root

*Facilitators: J Bavaria, Philadelphia; E Turner, Santiago; J Vojáček, Hradec Kralove*

*Faculty: A Berrebi, Paris; R de Paulis, Rome; I El-Hamamsy, Montreal; N Sandoval, Bogotá; M Shrestha, Hannover*

**SIGN UP FOR WORKSHOPS** Places on the workshops are limited. It is therefore essential that you sign up in advance via the Registration Desk.



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## Sponsors

The Society of Thoracic Surgeons and the European Association for Cardio-Thoracic Surgery is grateful to the following organisations for their support of this year's conference.



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## The Thoracic Surgery Foundation Travel Award Scholarships

Educational scholarships provided for this meeting through STS's charitable arm – The Thoracic Surgery Foundation – were made possible by the generosity of Edwards Lifesciences Foundation and W.L. Gore & Associates, Inc.



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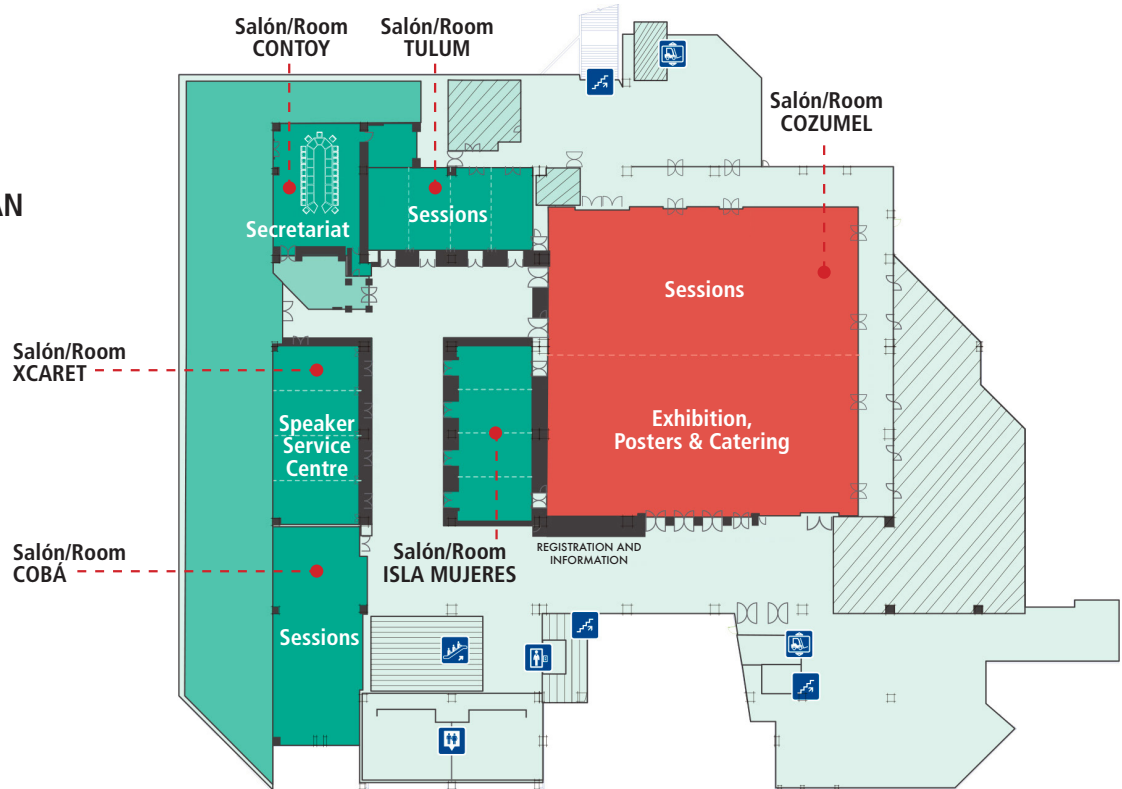
Creative Technologies  
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# STS/EACTS Latin America Cardiovascular Surgery Conference 2019



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International Convention Center

## LEVEL 2 CONFERENCE PLAN





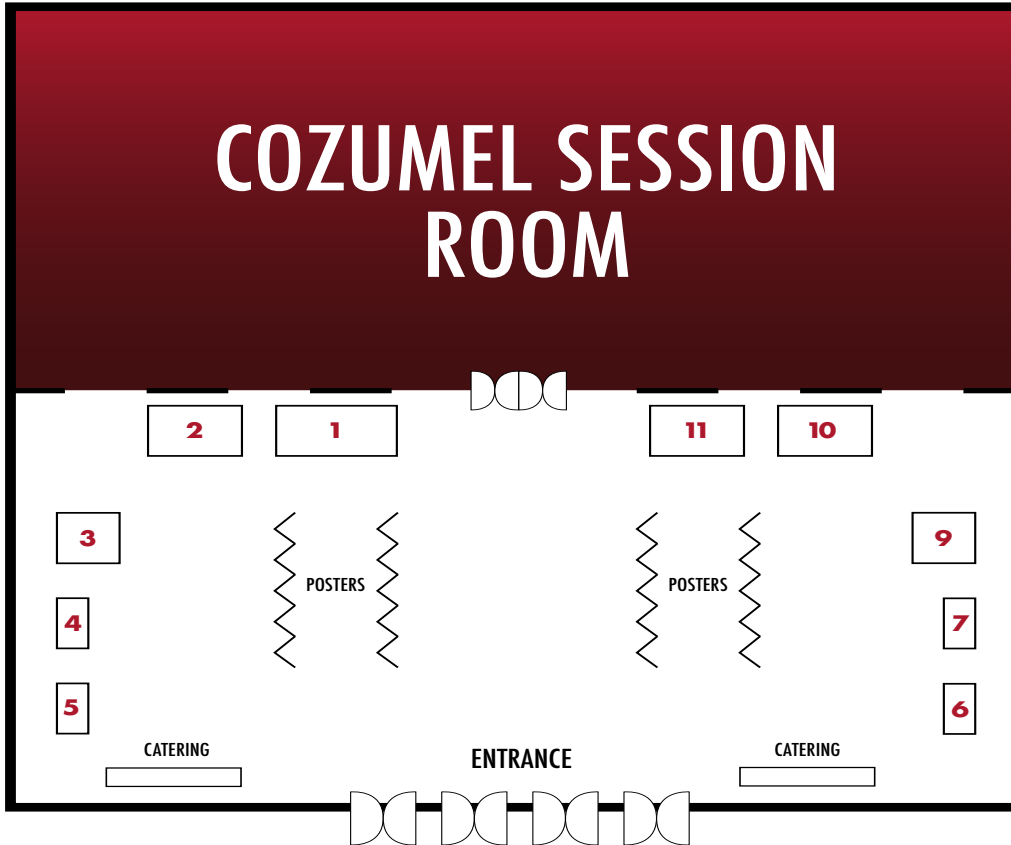
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# COZUMEL SESSION ROOM



1. Abbott
2. Terumo Aortic
3. CryoLife
4. The Society of Thoracic Surgeons
5. Medistim
6. LSI Solutions / CPS Cool
7. The Heart Valve Society
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Save the Date

# STS/EACTS Latin America Cardiovascular Surgery Conference

November 19-21, 2020

Santiago, Chile



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