



PICS Society

Pediatric and Congenital Interventional Cardiovascular Society



Symposium 2021

ARIA CONVENTION CENTER, LAS VEGAS • SEPT 1-4, 2021

Wednesday September 1

6:45am-6pm

Registration Open
Registration Desk, 3rd Floor Convention Center

7:00-8:30am

Breakfast Available

8:00-8:15am

Welcome – Ziyad M Hijazi

Morning Live Cases:

8:15-10:30am

Live Case Session #1 – General Session, Ironwood 4 & 5

Moderators: Damien Kenny, Ziyad M Hijazi

Panelists: Hesham Al-Saloos, Olivier Ghez,

Lynn Peng, Seong-Ho Kim, Dan Aguirre

Digital Moderator: Alejandro Torres

Dante Pazzanese Instituto de Cardiology, Sao Paulo, Brazil

Toronto General Hospital, Toronto, Canada

King Faisal Cardiac Center, King Abdulaziz Medical City for National Guard, Jeddah, Saudi Arabia

10:30-10:45am

Coffee Break

10:45am-12:45pm

Live Case Session #2 – General Session, Ironwood 4 & 5

Moderators: John Carroll, John Cheatham

Panelists: Levent Saltik, Howard Weber, Brian Boe, Olivier Ghez,

Horacio Faella

Digital Moderator: Vivian Dimas

Dante Pazzanese Instituto de Cardiology, Sao Paulo, Brazil

Toronto General Hospital, Toronto, Canada

King Faisal Cardiac Center, King Abdulaziz Medical City for National Guard, Jeddah, Saudi Arabia

12:45-1:45pm

Lunch Available – Ironwood Foyer

12:45-1:20pm

Live Case Presentation – General Session, Ironwood 4 & 5

Hospital Universitario Austral, Buenos Aires, Argentina

1:25-1:45pm **Lunchtime Taped Case - General Session, Ironwood 4 & 5**
Moderators: *John Moore, Alan Nugent*
1:25-1:40pm Pediatric MitraClip - *Scott Lim*

Afternoon Session

2:00 – 4pm Pulmonary Valve Session – General Session, Ironwood 4 & 5
Moderators: *Shakeel Qureshi, Ahmet Celebi*

The Impact of tPVR – What is the data?
2:00-2:10 What has been the real benefit of tPVR?
John Cheatham
2:11-2:21 Putting the Impact of Melody into Perspective
Thomas Jones
2:22-2:32 What Do We Really Know About the SAPIEN Valve Outcomes
Shabana Shahanavaz
2:33-2:43 What's Your Current Algorithm For The Fully-grown Patient With a Large, Patched RVOT? *Dan Levi*
2:44-2:54 3D Imaging of the RVOT and Tools for Analysis
Shelby Kutty
2:55-3:05 How I use Computer Cased Simulation Prior to tPVR Cases
Mario Carminati

Self-Expanding Valves and Platforms:

3:06-3:11 Med Zenith Valve - *John Cheatham*
3:12-3:17 Pulsta Valve - *Mario Carminati*
3:18-3:23 Venus P Valve - *Worakan Promphan*
3:24-3:29 Harmony - *Matt Gillespie*
3:30-3:35 Alterra - *Evan Zahn*

3:35-4:00 Discussion/Q & A

2:00-4:00pm **Tips and Tricks Session – Breakout Session, Ironwood 2 & 3**
Moderators: *Phil Moore, Terry King*

2:00-2:10pm Dealing With Curvatures, Angles, and Vascular Tortuosity During Interventions in CHD- *Frank Ing*
2:11-2:21pm A Structured Protocol for Transhepatic Interventions - *Makram Ebeid*
2:22-2:32pm Dealing with Porto-systemic Shunts – *Elchanan Bruckheimer*
2:33-2:43pm Options for the Embolized Stent – *Henri Justino*
2:44-2:54pm When to Push and When to Fold –
Complex Decision Making in CHD Interventions – *David Nykanen*
2:55-3:05pm Establishing an Advanced 3D Imaging Program for the Cath Lab –
10 Tips on How to Get Started – *Sebastian Goreczny*
Debate: Technological Advances Have Improved Outcomes in the last 10 years.
3:06-3:16pm **Pro:** *Dan Gruenstein*
3:17-3:27pm **Con:** *Zahid Amin*
3:28-3:38pm Debate Discussion
3:40-4:00pm Q/A

2:00-4:00pm

PICES Breakout Session – Ironwood 7 & 8

Theme: *Expanding the Interventional Quiver: Available Equipment for the Congenital Interventional Cardiologist*

PICES Business Meeting: 25 min

PICES Case presenter 1: 15 min

(10 min presentation, 5 min questions)

PICES Case presenter 2: 15 min

(10 min presentation, 5 min questions)

PICES Case presenter 3: 15 min

(10 min presentation, 5 min questions)

Invited Talk: Keeping up with the Jones: How I Manage and Adjust the Equipment in my Lab: 20 min

(15 mins presentation, 5 min questions) **Tom Jones**

3:30-4:00pm

Coffee Available

4:00-6:00pm

Oral Abstract Presentations

Room 1: Ironwood 2 & 3

Moderators

David Balzer, ??????

Room 2: Ironwood 7 & 8

Moderators:

Alex Javois, Masood Sadiq

6-8pm

Welcome Reception – Juniper Ballroom

Exhibit Hall Open

Thursday September 2

- 6:45am-6pm** **Registration Open**
Registration Desk, 3rd Floor Convention Center
- 7:00am-6:00pm** **POSTER Abstracts Displayed, Juniper Ballroom**
- 6:45-8:15am** **Breakfast Available – Exhibit Hall, Juniper Ballroom**
- 7:00-8:00AM** **Venus MedTech Breakfast Symposium – Ironwood 2 & 3**
Moderator: Ziyad M. Hijazi, MD
Panelists: **Gejun Zhang, Shakeel Qureshi**
Scope of the problem: **Lee Benson, MD**
A visit to the guidelines: Daniel Levi, MD
MRI assessment: **Gurdeep Man, MD**
The Venus P Valve results of the CE trial: **Shakeel Qureshi, MD**
Results of Chines FDA trial: **Gejun Zhang, MD**
Q&A
- 8:00-8:15am** **Update on Live Cases 2020 – General Session, Ironwood 4 & 5**
Guru Hiremath
- 8:15-10:30am** **Live Case Session #1 – General Session, Ironwood 4 & 5**
Moderators: *John Cheatham, Jacqueline Kreutzer*
Panelists: *Ralf Holzer, Brian Boe,*
Alain Fraisse, Emile Bacha
Digital Moderator: *Guru Hiremath*
Rush University Medical Center, Chicago, IL
New Orleans Children's Hospital, New Orleans, LA
Children's Hospital of Philadelphia, Philadelphia, PA
- 10:30-10:45am** **Coffee Available – Exhibit Hall, Juniper Ballroom**
- 10:45am-12:45pm** **Live Case Session #2 – General Session, Ironwood 4 & 5**
Moderators: *Allison Cabalka, Thomas Jones*
Panelists: *Teiji Akagi, Maiy El-Sayed, Hasri Samion, Tom Fagan,*
Michel Ilbawi
Digital Moderator: *Brent Gordon*
New Orleans Children's Hospital, New Orleans, LA
Rush University Medical Center, Chicago, IL
Children's Hospital of Philadelphia, Philadelphia, PA
- 12:45-1:45pm** **Lunch Available – Exhibit Hall- Juniper Ballroom**

1:00-2:00pm

Lunchtime Session – Ironwood 4 & 5
How to Post-process 3DRA: 4 Different Perspectives
Moderators: *Gregor Krings, Damien Kenny*

GE – Gregory Fleming
Canon – Darren Berman
Philips – Jenny Zablah
Siemens – Nathan Taggart

*Please visit the 3DRA Hands-on rooms for Individualized instruction in 3D Rotational Angiography Post-processing.
The rooms will be open for instruction:
Wednesday 12:45-2:00pm
Thursday 2:00-2:30pm
Friday 12:45-2:00pm

Starvine 3 – Canon
Starvine 4 – Siemens
Starvine 5 – GE Healthcare
Starvine 6 - Philips

Afternoon Sessions

2:00-5:30pm Lymphatic Session - General Session, Ironwood 4 & 5
Moderators: *Elchanan Bruckheimer, Yoav Dori*

- 2:00-2:12 Demystifying the Lymphatic System – *Anna Lillis*
2:13-2:25 Stratifying Fontan Risk by Pre-Op Lymphatic Imaging – *Suren Reddy*
2:26-2:38 Techniques for Accessing the Thoracic Duct: What are the Options?
Petru Liuba
2:39-2:51 Defining the Optimum Target – Periportal Lymphatic vs
THEThoracicDuct - *Marc Gewillig*
2:52-3:04 Redirecting Venous Flow for Lymphatic Decompression – *Chris Smith*
3:05-3:17 My Lymphatic Intervention Algorithm: How I Improve Outcomes
Yoav Dori
3:30-5:15 Case Based Learning
Expert Panel: Dori, Gewillig, *Liuba, Bruckheimer*
Case presentations: (inperson)
Sanjay Sinha (non-faculty)
Cat Tomasulo (non-faculty)
Suren Reddy
Allen Ligon (non-faculty)

2:00-3:30pm

Vascular Obstruction – Breakout Session, Ironwood 2 & 3

Moderators: *Frank Ing, Evan Zahn*

2:00-2:12

Options for Thrombolysis and Thrombectomy – *Bryan Goldstein*

2:13-2:25

Options for Systemic Venous Obstruction in Pediatric Practice
Henri Justino

2:26-2:38

Dealing with Complete Pulmonary Artery Occlusion - *Athar Qureshi*

2:39-2:51

Recanalizing the Atretic Aorta - *Kevin Walsh*

2:52-3:04

Returning Flow Through Occluded Shunts - *Alex Javois*

3:05-3:17

Recanalizing Occluded Vessels in non-CHD: Technical Lessons
Learned - *Evan Zahn*

3:20-3:30

Q/A Discussion

3:30-4:00pm

Coffee Available – Juniper Ballroom/Exhibit Hall

4:00-5:30pm

Taped Cases and Debates – Breakout Session, Ironwood 2 & 3

Moderators: *Robert Pass, Mark Galantowicz*

Taped Cases:

4:00-4:15

Mayo – Potts Shunt – *Allison Cabalka*

4:20-4:35

Memphis – Pulmonary Flow Regulator in a Patient With Truncus
Arteriosus– *Shyam Sathanandam*

Debates:

1. Interventionalists are Working in a Surgical Environment and
Should Undergo Surgical Training

4:40-4:50

Pro: *Olivier Ghez*

4:51-5:01

Con: *Joaquim Miro*

2. Patient Volume Contributes to Outcomes in the Cath Lab

5:05-5:15

Pro: *Gareth Morgan*

5:16-5:26

Con: *Martin Bocks*

**Friday September 3
Morning Session**

- 6:45am-6pm** **Registration Open**
Registration Desk, 3rd Floor Convention Center
- 7:00am-6:00pm** **POSTER Abstracts Displayed, Juniper Ballroom**
- 7:00-8:30am** **Breakfast Available – Exhibit Hall, Juniper Ballroom**
- 8:00:8:15am** **Introducing the PICS Society – *Norm Linsky***
General Session, Ironwood 4 & 5
- 8:15-10:30am** **Live Case Session #1 – General Session, Ironwood 4 & 5**
Moderators: *Evan Zahn, Francisco Garay*
Panelists: *Carlos Zabal, Dietmar Schranz, Ali El-Halabi, Michel Ilbawi*
Digital Moderator: *TBD*
Nationwide Children’s Hospital, Columbus, OH
Cincinnati Children’s Hospital, Cincinnati, OH
Boston Children’s Hospital, Boston, MA
- 10:30-10:45am** **Coffee Available – Exhibit Hall Juniper Ballroom**
- 10:45am-12:45pm** **Live Case Session #2 – General Session, Ironwood 4 & 5**
Moderators: *Ralf Holzer, Gregor Krings, Bharat Dalvi*
Panelists: *Reda Ibrahim, Howaida El-Said, Laith Alshawabkeh, Olivier Ghez, Jeff Zampi*
Digital Moderator: *Gareth Morgan*
Nationwide Children’s Hospital, Columbus, OH
Cincinnati Children’s Hospital, Cincinnati, OH
Boston Children’s Hospital, Boston, MA
- 12:45-1:45pm** **Lunch Available – Exhibit Hall – Juniper Ballroom**

1:00-2:00pm

Industry Sponsored Lunch Symposiums

Medtronic – Ironwood 2 & 3

Medtronic Lunch Symposium at PICS

“My Experience with the Harmony™ TPV System”

Moderators:

Dr. David Balzer and Dr. John Cheatham & Medtronic Rep

Presenters:

Dr. David Balzer, Dr. Jeffrey Zampi, Dr. Athar Qureshi

Abbott – Ironwood 7 & 8

Title: Consensus Guidelines for Optimal Outcomes Performing Transcatheter PDA Closure with Amplatzer Piccolo

Moderator: Darren Berman, MD

Presenters: *Patrick McNamara, MD, Brian Morray, MD, Shyam Sathanandam, MD*

Description: Drs. Patrick McNamara, Brian Morray and Shyam Sathanandam will discuss the selection of patients for intervention, techniques for treating complex cases and review post-procedural management best practices. The symposium will help individuals understand how to most effectively partner with their neonatologists and additionally provide guidance on how to protect outcomes for these patients.

Afternoon Sessions

2:00-3:30pm

PDA Stenting – General Session, Ironwood 4 & 5

Moderators: *Athar Qureshi, Damien Kenny*

2:00-2:12

An Algorithmic Approach to PDA Stenting – *Marc Gewillig*

2:13-2:25

Optimal Pre-procedural Imaging Modalities – *Greg Fleming*

2:26-2:38

Impact of Ductal Morphology on Outcomes – *Chris Petit*

2:39-2:51

Is Airway Compression a Real Concern? – *Howaida El-Said*

2:52-3:04

PDA Stenting in Infants < 2.5 kgs – *Damien Kenny*

3:05-3:17

DES vs BMS – What does the Data Tell Us? – *Bryan Goldstein*

3:20-3:30

Discussion

2:00-3:30pm

Pulmonary Artery Stenting – Breakout Session, Ironwood 2 & 3

Moderators: *Tom Fagan, Henri Justino*

2:00-2:12

Stent Modifications for PA Stenting – *Frank Ing*

2:13-2:25

Algorithm for Unzipping Small Diameter Stents – *Howaida El-Said*

2:26-2:38

3-D Imaging to Guide Complex Bifurcation Stenting - *Gregor Krings*

2:39-2:51

PA Stenting in the Context of tPVR – Planning For The Future
Ziyad Hijazi

2:52-3:04

Strategic Approach to Diffuse Branch PA Stenoses – *Tom Forbes*

3:05-3:17

Long Term Strategy for PA Rehabilitation and Decision Making-
Case Based Presentations – *Darren Berman*

- 3:30-4:00pm** **Coffee Available – Juniper Ballroom/Exhibit Hall**
- 4:00-5:30pm** **Interventional Treatment of SVASD – General Session, Ironwood 4 & 5**
Moderators: *Ziyad M Hijazi, Francois Godart*
4:00-4:12 Preprocedural Imaging to Guide Patient Selection – *Craig Fleishman*
DEBATE:
All Anatomical Subtypes Can Be Treated with Covered Stents
4:13-4:23 **Pro** *K. Sivakumar*
4:24-4:34 **Con** *Michel Ilbawi*
4:36-4:48 Intraprocedural Imaging Modalities – *Haytham Ibrahim*
4:49-5:01 Procedural Techniques to Facilitate Stent Stability
Hesham Al-Saloos
5:02-5:14 Outcomes – *Evan Zahn*
5:15-5:27 Complications – *Shakeel Qureshi*
- 4:00-5:30pm** **Bioresorbable Technology – Breakout Session, Ironwood 2 & 3**
Moderators: *Dan Levi, Suren Reddy, Nicole Ibrahim*
4:00-4:12 Is there a role for PLLA or Magnesium Coronary Stents in Children?
Suren Reddy
4:13-4:25 Advantages and Challenges of Zinc Alloys for Pediatric Stents
Tim Moran
4:26-4:38pm Options for Minimal Footprint Atrial Device
Horst Sievert
4:39-4:51 Use of PLLA Septal Occluders in China
Zhiwei Zhang (recorded)
4:52-5:04 Possibilities For the Future: Iron Alloys and Nanoparticles? - *Dan Levi*
5:05-5:17 Regulatory and Commercialization Pathway for a Biodegradable
Device in Pediatrics – *Rachel Neubrandner*
- 4:00-5:30pm** **Nursing and Associated Professionals Breakout Session, Ironwood 7 & 8**
Moderators: *Sharon Cheatham, Emily Kish*
4:00-4:12pm Transcatheter Pulmonary Valves: A Historical Perspective
John Cheatham
4:14-4:26pm Cardiac Anesthesia in the Cath Lab
Ileen Cronin
4:28-4:40pm Are the Risks Higher in Today’s Cath Lab?
Heidi Terwey PA
4:42-4:54pm How do we Manage inventory with the High Cost of Technology?
Karen Iacono
4:56-5:08pm New Cath Lab Guidelines
Emily Kish
5:10-5:22pm Bioabsorbable Devices: Where are we at?
Darren Berman
5:22-5:30pm Questions/Discussion
- 6:30-9:30pm** **PICS Dinner Event**
Aria Palms Pool

Saturday September 4

- 6:45am-1:00pm** **Registration Open**
- 7:00-8:30am** **Breakfast Available – Exhibit Hall, Juniper Ballroom**
- 8:00-9:30am** **ACHD/Structural Session - General Session, Ironwood 4 & 5**
Moderators: *Nathan Taggart, Alejandro Peirone*
- 8:00-8:12 Update on TV Repair and Potential Application to CHD Patients
Scott Lim
- 8:13-8:25 Interventions for Atrial Hypertension – *K. Sivakumar*
- 8:26-8:38 Complex Coronary Artery Fistula in the Adult – Indications and
Techniques for Closure – *Eric Horlick*
- 8:39-8:51 The Adult with ASD and Atrial Arrhythmia –
Decision making Algorithm – *Jae Young Choi*
- 8:52-9:04 Transapical Techniques for Mitral PVL – *Cliff Kavinsky*
- 9:05-9:17 Mitral Valve In Valve – How Far can we push? – *Allison Cabalka*
- 8:00-9:30am** **Pulmonary Vein Stenosis – Breakout Session, Ironwood 2 & 3**
Moderators: *Marc Gewillig?, Robert Vincent*
- 8:00-8:12 Understanding Congenital Pulmonary Vein Stenosis – *Ryan Callahan*
- 8:13-8:25 Surgery Is A Better Primary Option – *Emile Bacha*
- 8:26-8:38 Transcatheter Intervention is a Better Option – *Henri Justino*
- 8:39-8:51 Multimodality Approach to Treat Pulmonary Vein Stenosis
Chris Petit
- 8:52-9:04 Treating PVS – Should this be restricted to Specialized Centers?
Matt Crystal
- 9:05-9:17 Considerations Between Hope and Frustration:
When To Treat and Not to Treat PVS – *Audrey Marshall*
- 9:30-10:00am** **Coffee Break – Juniper Ballroom, Exhibit Hall**
- 10:00-11:30am** **Interventions in Infants < 2.5 kgs - General Session,
Ironwood 4 & 5**
Moderators: *Joaquim Miro, Brian Morray*
- 10:00-10:12 It Starts Before Birth: Update on Transcatheter Fetal Transcatheter
Interventions. *Simone Pedra*
- 10:13-10:25 Challenges, Risks and Risks Adjustments for Interventions
Performed in Small Infants - *Brian Quinn*
- 10:26-10:38 Percutaneous Vascular Access in Small Infants.
Shyam Sathanandam
- 10:39-10:51 Hybrid Procedures In Low Weight Infants - *Ralf Holzer*
- 10:52-11:04 Limitations and Challenges of Circulatory Support and
Surgical Bailout in Small Infants - *Mark Galantowicz*
- 11:05-11:17 Pulmonary Flow Regulators in Small Infants –
Technical Approach and Outcomes - *Dietmar Schranz*

- 10:00-11:30am** **Aortic Interventions – Breakout Session, Ironwood 2 & 3**
Moderators: *Giafranco Butera, Francisco Garay*
- 10:00-10:12 Balloon Angioplasty for Coarctation in Infancy – Is it a Good Option?
Lee Benson
- 10:13-10:25 Neonatal Balloon Aortic Valvuloplasty – What Has IMPACT
Taught Us? *Brian Boe*
- 10:26-10:38 Treating Coarctation of the Aorta in the Adult...A Different Kind of
Beast – *Nathan Taggart*
- 10:39-10:51 Covered Stents Beyond Coarctation – *Gareth Morgan*
- 10:52-11:04 Interventional Therapy for Middle Aortic Syndrome: *Masood Sadiq*
- 11:05-11:17 How to Close Sinus Valsalva Rupture? **Dr Tin**

11:30am-1:00pm **My Nightmare Case In The Cath Lab –**
General Session, Ironwood 4 & 5
Moderators: *Damien Kenny, Alan Nugent*

11:30-11:45am (non-faculty)
***Cath lab-Retrieval of Embolized ASD from LA Using Innovative
Techniques***
Amjad Mahmood
AFIC, Rawalpindi, Pakistan
****LIVE VIRTUAL**

11:55am-12:10pm (non-faculty)
You Are Not Done Until You Are Really Done
Osamah Aldoss, MD, FSCAI
University of Iowa Children’s Hospital, Iowa City, IA

12:20-12:35pm (non-faculty)
My Nightmare Case
Mike Seckeler, MD, MSc, FACC, FSCAI
Banner University Medical Center - Tucson
University of Arizona

12:40-12:55pm (non-faculty)
***Left Atrial Appendage Perforation During Watchman Device
Implantation***
Nidhi Madan, MD, MPH
Rush University Medical Center

1:00pm **Exhibit Hall Closes**

1:00pm **Closing Remarks – General Session, Ironwood 4 & 5**
Ziyad M. Hijazi & Damien Kenny

