



## PICS Day 3 Recap

*Karim Diab, MD, FACC & Kamel Shibbani, MD*

The second day of PICS began with a flurry of posters being hung by our eager attendees in preparation for the first day of poster presentations. There was a breakfast Symposium held by Venus Medtech that looked at the experience with the Venus P valve and the results of the CE trial, an update on the results of the FDA trial, and a detailed discussion about guidelines and the role that the MRI plays with the use of the Venus P valve.

We then shifted gears and started our live cases for the day, starting with an update about yesterday's cases. Then we were off to Philadelphia for a case led by Dr. Gillespie of a 16-year-old with TOF requiring TPVR, with a Harmony Transcatheter TPV25 valve chosen for the case! Next, we went to Chicago where Dr. Kavinsky and his team introduced a very interesting Adult Congenital Heart Disease case of a 73-year-old female with a history of Rheumatic Heart Disease and a prosthetic mitral and aortic valve. Dr. Kavinsky expertly guided the audience through a transcatheter mitral valve in valve placement with excellent results! We took a small break from live cases to watch a taped case from Dublin of a 6.5 kg child with left atrial hypertension in the setting of previous arch repair needing decompression of the LA. Dr. Kenny and his team were able to place an AFR across the atrial septum to help decompress the LA.

After some snacks, we traveled back to CHOP where Dr. Rome and his team showcased a fantastic lymphatic decompression case, where they worked on decompressing the thoracic duct by creating an extra vascular pathway from the innominate vein to the LA appendage. Dr. Rome was able to navigate a difficult case, with plenty of discussion and learning opportunities! It highlighted the importance of these live cases and the benefit of learning from such difficult cases.

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**PICS Society**

Pediatric and Congenital Interventional Cardiovascular Society



**Symposium 2021**



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Next, we traveled over to Rush medical center where Dr. Kavinsky had a great case for us - a patient who previously had transcatheter aortic valve replacement who has developed significant para-valvular leak! We traveled back to CHOP for a case with Dr. Gillespie, where he and his team successfully performed a TPVR via jugular venous access using a TPV25 Harmony valve.

Over lunch, we enjoyed a talk about imaging modalities and a discussion on 3DRA, highlighting the differences between 3 different systems: Philips, Canon, and Siemens. The talks highlighted the utility of the various systems and the flexibility and unique characteristics of each.



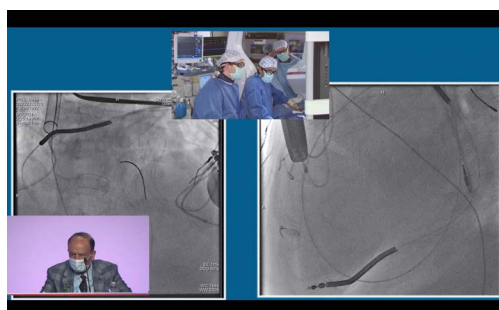
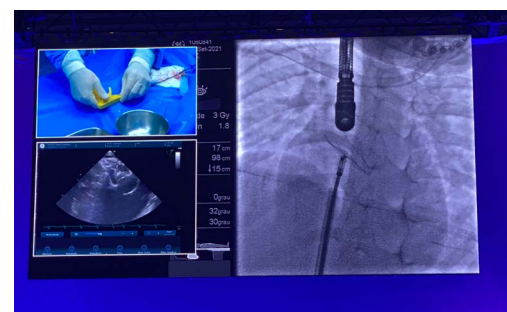
We then proceeded into the afternoon lymphatic main session, which included great talks by Dr. Anna Lilis, who gave us a fantastic overview of lymphatic system, as well as talks by Dr. Reddy about the use of pre-op lymphatic imaging to stratify Fontan patients, and Dr. Sinha who enlightened us about techniques for accessing the thoracic duct. Other talks followed as we worked our way towards a wonderful session of case-based learning revolving around the lymphatic system!

At the same time, participants who chose to check out our breakout session were treated to a wonderful array of talks about vascular obstruction, dealing with topics like thrombolysis and thrombectomy, systemic venous obstruction, complete PA occlusion, and occluded shunts. This was followed by taped cases from Mayo Clinic and Memphis, and 2 subsequent debates: the fittest about the need for interventionalists to undergo surgical training, and the other about the impact of patient volume on outcomes in the cath lab.

## Don't Miss These Sessions- Sneak Peek at Friday's events!

On Friday, make sure not to miss more of the live cases, the highlight and backbone of the PICS meeting. After an update on the PICS Society from Norm Linsky, Executive Secretary of the PICS Society, the live case transmissions will continue in the morning and will be transmitted live from Columbus, Cincinnati and Boston and will include the following:

- From Nationwide Children's Hospital, Columbus, OH, Drs. Brian Boe, Arash Salavitarbar and Jacqueline Kreutzer will present two interventional cases
- From Cincinnati Children's Hospital, Cincinnati, OH, Drs. Shabana Shahanavaz, Russel Hirsch, Eimear McGovern, Jonathan Hagel, Shawn Bativalva will present two cases of TPVR using the Sapien S3 valve
- From Boston Children's Hospital, Boston, MA, Drs. Diego Porras, Nicola Maschietto, Ryan Callahan and Jesse Esch will perform stenting of the superior and inferior Mustard baffles in an adult patient with D-TGA s/p Mustard and case of TPVR in a patient with severe PR s/p surgical Mosaic valve





The lunch time sessions will feature two industry sponsored events including a Medtronic Lunch Symposium that will focus on *My Experience with the Harmony™ TPV System*, and an Abbott sponsored session on *Consensus Guidelines for Optimal Outcomes Performing Transcatheter PDA Closure with Amplatzer Piccolo Device*.

The afternoon will be busy with quite interesting topics. One session will focus on **PDA Stenting**. Dr. M. Gewillig will walk us through an *Algorithmic Approach to PDA Stenting*, Dr. G. Fleming will go over *Optimal Pre-procedural Imaging Modalities for PDA Stenting*, Dr. C. Petit will discuss the *Impact of Ductal Morphology on Outcomes*, Dr. H. El-Said will talk about the concern of *Airway Compression during PDA Stenting*, Dr. D. Kenny will discuss *PDA Stenting in Infants < 2.5 kgs* and Dr. B. Goldstein will go over the *Data from DES and BMS*.

Another simultaneous breakout session in the afternoon will focus on **Pulmonary Artery Stenting**. This will discuss topics such as *Stent Modifications for PA Stenting* by Dr. F. Ing, an *Algorithm for Unzipping Small Diameter Stents* (by Dr. H. El-Said), *3-D Imaging to Guide Complex Bifurcation Stenting* by Dr. G. Krings), *PA Stenting in the Context of tPVR – Planning For The Future* by Dr. Z. Hijazi, *Strategic Approach to Diffuse Branch PA Stenoses* by Dr. T. Forbes, and *Long Term Strategy for PA Rehabilitation and Decision Making with Case Based Presentations* by Dr. D. Berman.

The afternoon will continue with a busy schedule with three simultaneous breakout sessions.

The main session will discuss **Interventional Treatment of SVASD**. This will include discussing *Preprocedural Imaging to Guide Patient Selection*, a hot debate on whether *All Anatomical Subtypes Can Be Treated with Covered Stents or Not* (Pro by Dr. K. Sivakumar, and

Con by Dr. M. Ilbawi), *Intraprocedural Imaging Modalities, Procedural Techniques to Facilitate Stent Stability and Outcomes and Complications in such procedure*.

A breakout session will discuss **Bioresorbable Technology** including the Role for PLLA or Magnesium Coronary Stents in Children, Advantages and Challenges of Zinc Alloys for Pediatric Stents, Options for Minimal Footprint Atrial Device and the use of PLLA Septal Occluders in China, Possibilities for the Future with Iron Alloys and Nanoparticles, as well as Regulatory and Commercialization Pathway for a Biodegradable Device in Pediatrics.

The famous **Nursing and Associated Professionals Breakout Session** will also take place in the afternoon and will discuss topics such as Historical Perspective on Transcatheter Pulmonary Valves, Cardiac Anesthesia in the Cath Lab, How Do We Manage Inventory with the High Cost of Technology, New Cath Lab Guidelines and others.

Hence the day promises to have a busy schedule with a range of hot topics to learn from with ample opportunity to ask questions and learn from the best operators in the field.

**The day will end with the PICS Gala dinner at the Aria Palms Pool with live entertainment. See you there for a fun evening!**

