



Recap of Friday and a Sneak Peak into the Last Day of PICS 2021!

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Friday kicked off with a fantastic talk by Mr. Norm Linky, the Executive Director of the Pediatric Interventional Cardiac and Congenital Interventional Cardiovascular Society (PICS Society). He updated the audience on the growth of the PICS Society in time since its inception, exactly one year ago. More importantly, he informed the attendees about the potential power of PICS society to help advance the field and help us better serve our patients. The benefits are numerous, and include educational opportunities, networking, advocacy for our patients and ourselves, and learning leadership skills, among many others. **On that note, please make sure to join the PICS Society before PICS ends! Everyone that joins before the end of PICS 2021 will become a founding member!** We need everyone to help us grow the society into one that can effectively speak on our behalf and advance our patients' interests!

After Mr. Linky's talk, we promptly jumped into the live cases with the first one being at Nationwide in Ohio where we were presented with a fantastic case of coarctation in a patient with a PDA stent, which Dr. Boe and his team successfully stented. We then went to Cincinnati where Dr. Shahanavaz and her team took on a TPVR using a 29mm Sapien S3! The case was a fantastic opportunity for the panelists and the audience to discuss the invariable complications of these challenging cath cases and the best approach when such complications happen. Next, we moved to Boston where Drs. Porras and Maschietto reviewed a case they had just finished, unfortunately they could not wait for live streaming due to the critical condition of the patient, though the audience was still able to learn from the case via a PowerPoint presentation that they had created! The case itself, a fantastic and unique case, was a Mitral Valve in Valve replacement using a 20 mm Sapein Valve in a 3-year-old child and was completed with an excellent result. The team also demonstrated their use of an embolic protection device, in this case a Sentinel device!

Join the PICS Society

Before PICS 2021 ends....

Join the PICS Society and become a Founding Member!



PICS Society

Pediatric and Congenital Interventional Cardiovascular Society

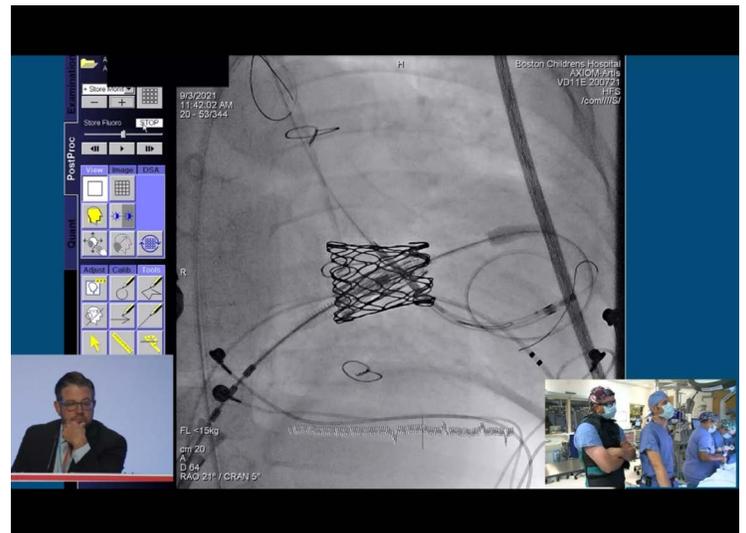


Symposium 2021



@PICS_Society

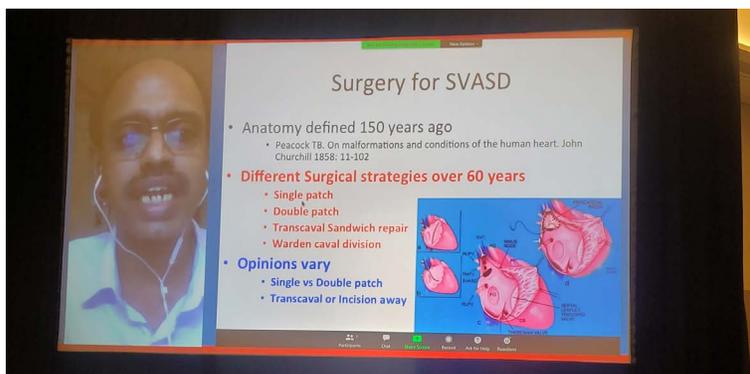
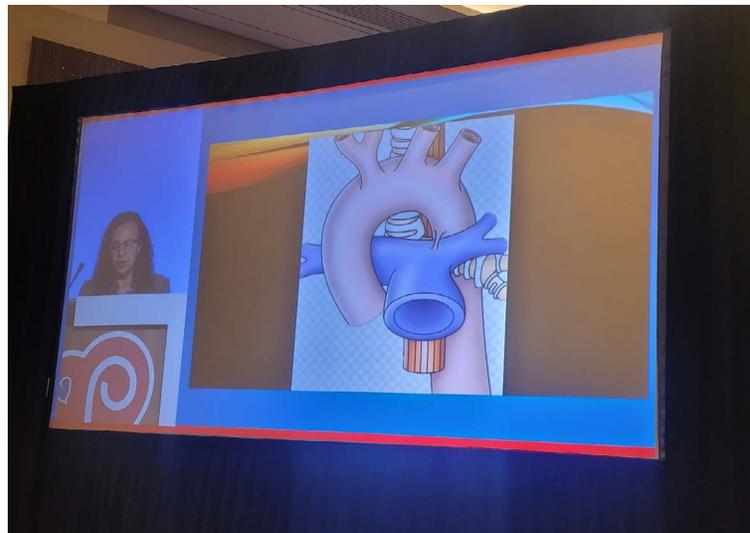
#picsymposium2021





A quick coffee break energized attendees for the second set of live cases, which started in Ohio at Nationwide Children's hospital where Dr. Boe and his team performed a PDA device closure in a 6-month-old premature infant. Next, we moved to Cincinnati once more, where Dr. Shahanavaz and her team introduced a 14-year-old patient requiring TPVR (Sapien S3 29mm valve). From there it was back to Boston for another great case, this time a 44-year-old male with TGA and surgical correction, now requiring stenting of both IVC and SVC!

After a couple of fantastic live case sessions, the participants took a lunch break over an industry sponsored lunch, made possible by two of our sponsors – Medtronic and Abbott.



The lunch was followed by a session about PDA stenting and another about pulmonary artery stenting! In the late afternoon, our participants had a choice to attend one of 2 sessions, either a session about Bioresorbable Technology, or one about the interventional treatment of SVASD.

During the special session on **Interventional Treatment of sinus venosus ASD**, Dr. C. Fleishman went over the Preprocedural Imaging to Guide Patient Selection for such cases and highlighted that factors associated with good success in these cases include an adequate length of the SVC, inflated covered stent predicting to eliminate the left to right shunt and the ability to make sure the RPV drain is unobstructed back into the LA. A hot debate took place during the session on whether all Anatomical Subtypes of SVASD can be treated with Covered Stents or not. Dr. K. Sivakumar argued that instead it should be carefully selected anatomical subtypes of SVASD that can be treated with

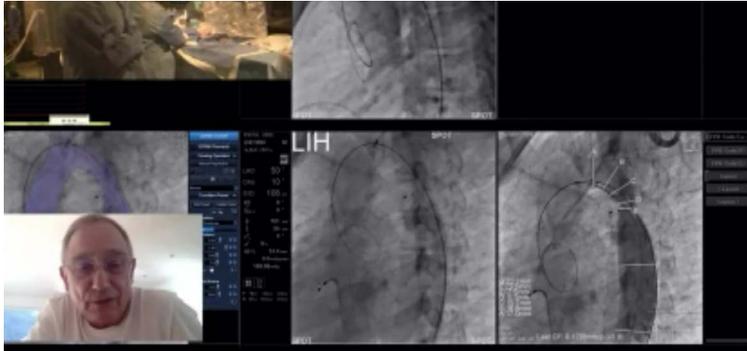
covered stents especially if experience in pediatric cases is limited and in cases where there is high PV drainage into the SVC or there is obstruction to the PV drainage. He highlighted that in carefully selected patients, interventional closure of SVASD is simpler than surgery but is not universally applicable. Dr. M. Ilbawi took the opposite side of the debate. He went over the anatomy of SVASD, highlighting that the distance of the anomalous vein drainage into the SVC is variable. He also noted that the patency of the azygous vein is difficult to maintain once a stent is placed in that area and that would be important in case of an SVC obstruction. We went over the surgical outcomes with some complications such as sinus node dysfunction and SVC/PV obstruction (5-7%) with lower incidence with the two-patch technique. He argued that the interventional approach has several issues: it assumes that the SVC/RA junction diameter is larger than the SVC diameter at the entry of the pulmonary vein and this could lead to obstruction once a stent is placed; the stent could compress the SA node and the SN artery which are in proximity; it assumes that the absence of PV obstruction under anesthesia means no hemodynamic obstruction; manipulation in or around the PV is harmless while it could actually cause scarring once a stent is being manipulated in that area; and similarly there could be hemodynamically significant PV obstruction even if it is not anatomic. He also listed some complications such as residual shunts, stent instability/thrombosis and the unclear management with anticoagulation after the procedure.





The PICS Society: Announcement at PICS 2021 and Affiliation with Springer Nature/ Pediatric Cardiology Journal

This 25th anniversary of PICS is an important date to those who specialize in the treatment of congenital heart disease as it marks a new development, with the transition of PICS, which was established in 1997, from a Foundation to a full-blown Society, as announced by Dr. Hijazi on the first day of the meeting. The PICS Society is entering its second year and is now officially the professional society devoted solely to specialists in minimally invasive treatment of congenital heart disease (CHD) with its vision that anyone who can benefit from minimally invasive techniques to treat CHD can access safe and effective care. The society hopes to represent a collective voice for physicians, nurses and technologists who work in the field. Its mission is to promote the highest quality care globally for infants, children and adults with CHD through minimally invasive techniques.



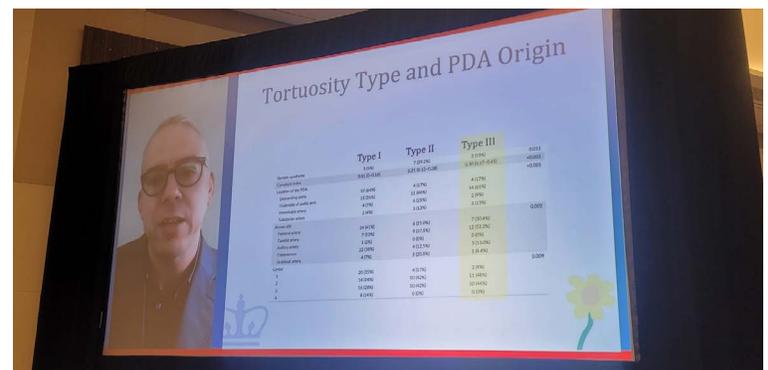
Dr. Ibrahim went over the intraprocedural imaging during SVASD closure in the cath lab with the use of TEE, and the imaging during as well as after stent placement specially to check on the lower end of the stent in order to avoid residual shunting which could require additional stent placement. Dr. ALSaloos went over procedural techniques to facilitate stent stability during SVASD interventional closure including sequential securization of the stent and simultaneous SVC and ASD stents deployment. Dr. S. Qureshi discussed outcomes of the procedure which have been reported in the last seven years. He also discussed potential complications including residual shunting, stent shortening, and he went over the advantages of the zig CP stent for this procedure (less shortening, etc.). He went over the International registry for SVASD interventional closure with the results from 12 centers that included 75 patients, with 17 patients having bilateral SVC: mild residual leak occurred in 4, trivial in 32 and none in 34; complications included: 2 stents embolized, 1 tamponade due to the transeptal puncture, and 1 PV occlusion after 3 months from the procedure.

The afternoon on Friday also included a session geared towards our Nursing and associated professionals, which took place at the same time!

A break allowed our attendees to relax and get ready for the ever-popular PICS Dinner event, which provided a superb opportunity to meet friends and network over great food and drinks.

Please make sure to join us for Saturday's sessions which promise to be as exciting as ever! The morning will be split between a session about Pulmonary Vein Stenosis and another about ACHD/Structural heart disease. Make sure to stick around after the coffee break to participate in the late morning sessions of aortic interventions and interventions in infants <2.5 kg. These will be followed shortly thereafter by the always anticipated "My Nightmare Case in the Cath Lab". Finally, Dr. Hijazi will close the 25th PICS meeting with closing remarks at 1pm!

In 2020, as many practitioners in the field have reached out to the PICS symposium organizers recommending that this profession needs its own medical professional society devoted solely to this maturing discipline, and in line to establish such a new organization that carries on and



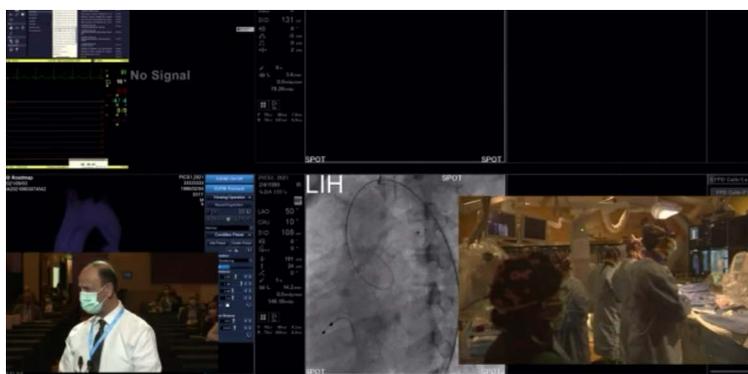


supports core values important to those who work in the field of CHD interventions, the PICS Society was indeed established.

PICS Society core values are:

- Perspective that is International
- Leadership that comes from many nations
- Commitment to the highest quality of care
- Rigorous, high standards for membership
- Education that is year-round, available anytime to its members
- Leadership in developing guidelines in the field of CHD interventions
- Pursuing universal advocacy principles
- Partnership that is respectful of national societies
- Pride in working with industry partners in the field
- Commitment to mentoring the “next generation”
- Supporting the PICS Symposium to continue as the best educational meeting in the field and as its flagship event
- Be VERY affordable to all who wish to join

As a result, at this 25th anniversary year of the PICS Foundation, PICS has been formally transformed into the PICS Society, the professional global “home” for those dedicated to the field of CHD interventions. The society is equally dedicated to partnering with national societies to ensure their continued growth. This signifies transformation of the global profession into a recognized, unified community of dedicated medical providers. The PICS Society will continue to offer the annual PICS Symposium as its flagship event.



PICS Society and Springer Nature Affiliation

As the PICS Society established itself as a professional global society in the field, it became essential to have an academic platform that will help advance the educational and academic work of its members. As such, **Springer Nature** and **PICS Society** recently announced an affiliation agreement that will confirm that **Pediatric Cardiology** is now the Official Journal of the **Pediatric and Congenital Interventional Cardiovascular Society**. The highlights of the agreement are:

1. Pediatric Cardiology Journal is the “official” journal of the PICS Society
2. Complimentary online subscriptions to the PICS Society and its members
3. Publication of abstracts from the society and its PICS meeting annually in Pediatric Cardiology
4. Representation of the PICS Society on the Editorial Board of Pediatric Cardiology with Dr. Damien Kenny serving as the editor for interventional manuscripts
5. Five review articles to be published by the PICS Society in Pediatric Cardiology annually

PICS Society Representative Activities

The PICS society has established several activities and representatives to support its missions within each domain. These include:

Adult Congenital Heart Disease: Since this profession now treats adults of all ages who have CHD, this Committee coordinates educational



programs, guidelines, advocacy, early career, quality & industry engagement in Adult CHD (led by Drs. Jamil Aboulhosn, Eric Horlick and Lars Sondergaard).

Advocacy: Patients who can be helped should not be barred from treatment due to non-medical issues. The society will engage relentlessly with policymakers and payors in pursuit of that goal (Drs. John Cheatham, Hideshi Tomita and Cliff Kavinsky.)

Evidence/Documents/Guidelines: While other societies have produced excellent documents that address this in part, until now no international organization has focused solely on standards of care in our field. The society aims at changing that (Drs. Doff McElhinney, Peter Ewert and Athar Qureshi).

Early Career Development: Fellows & Early Career Course already took place this year (August 2021 pre-PICS in Las Vegas), the first global program for next generation CHD interventionalists. The society will be engaging future leaders to learn, grow & lead (Drs. Aimee Armstrong, Darren Berman, Gianfranco Butera, Vivian Dimas and Dan Gruenstein).

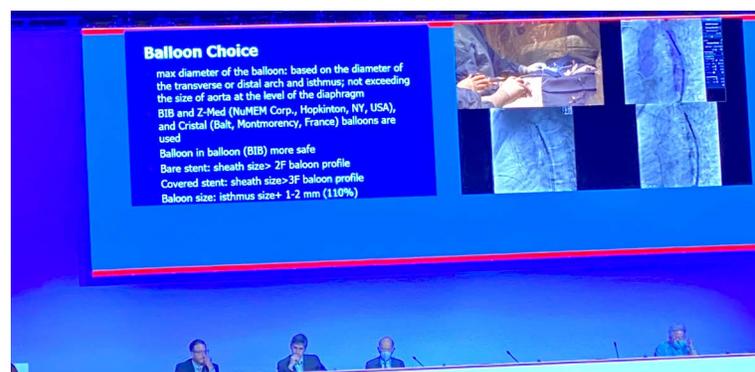
Industry Relations: Thanks to decades of partnership between physicians and innovative companies, our ability to treat those with CHD has advanced exponentially. The PICS Society is proud of those partnerships and actively partners with industry on behalf of the patients we all serve (Drs. Evan Zahn, Tom Forbes and Gregor Krings).

Membership: Members of the PICS Society believe it is a privilege to care for patients of all ages with CHD. The Society is THE professional home for CHD Interventional professionals globally. It welcomes all physicians, nurses, and technologists who commit to the highest standards of patient care (Drs. Shakeel Qureshi, Jae Yong Choi and Allison Cabalka).

Nurses, Technologists & Other Medical Professionals: The society's commitment to engaging the care team into all the practice. It will engage with professional societies in allied disciplines. (Dr. Sharon Cheatham and Ms. Kathleen Nolan).

PICS Annual Scientific Symposium: Sixteen course directors will continue to work on advancing the PICS symposium.

Professional Education: With the evolution of the Foundation to become the PICS Society, educational offerings now include Master Class webinars and fellows-in-training courses, with much more planned (Drs. Dan Levi, Teiji Akagi and Tom Jones).



Quality Improvement: The society will be leading development of a major clinical document, "Standards for Cardiac Catheterization of Pediatric Patients & Patients with CHD" partnering with six other societies, the first global comprehensive guideline for quality in our field. Other Q.I. initiatives are in the queue (Drs. Ralf Holzer, Lisa Bergersen and John Thomson).

As a professional society of global colleagues, the PICS society encourages you to join as a member. Those who join before the end of the year would be considered as founding members of the society. With much more to come and be achieved in the field of intervention for CHD.... **Join The PICS Society Today!**

For more information on the society, please go to www.CHDinterventions.org (click on "PICS Society") or email nlinsky@CHDinterventions.org.

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