



## **SPCHS NEWSLETTER**

**Society of Pediatric and Congenital Heart Surgeons ( SPCHS)**

***VOL.2 APRIL 2024***

### **Contents:**

**1.CASE REPORT:** ALCAPA masked by Severe Pulmonary hypertension: Aaditya Sirohi, Amita Sharma

**2. GLIMPSES FROM SPCHS NATIONAL SUMMIT ON TETRALOGY OF FALLOT**

### **Editorial Board SPCHS**

**[editor.spchs@gmail.com](mailto:editor.spchs@gmail.com)**

**[www.spchs.in](http://www.spchs.in)**

***Dr Palleti Rajashekar. Dr Debasis Das. Dr Ashutosh Singh.  
Dr Ganapathy Subramaniam. Dr Vijay Sadasivam. Dr Nikhil Tiwari***

## **CASE REPORT:**

### **ALCAPA masked by Severe Pulmonary hypertension**

***Aaditya Sirohi MBBS MD DrNB FPCS, Amita Sharma MBBS MD DNB DM DrNB***

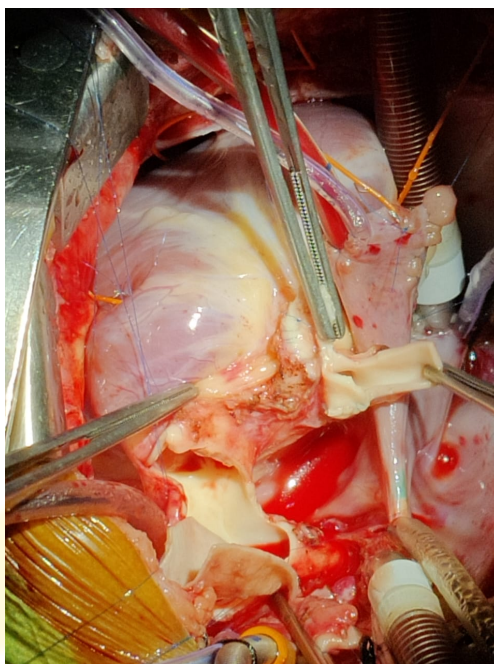
***Sri Sathya Sai Sanjeevani Hospital ,Palwal***

This is a case report of a rare finding of ALCAPA discovered on table in a case of DORV with multiple VSDs and severe PAH.

Patient was a 3 year 10-month-old female patient, 11.8 Kgs, diagnosed with DORV with large inlet VSD left to right shunt and a large additional posterior muscular VSD. On table we found one large inlet VSD and multiple VSDs in posterior muscular septum.

Intraventricular Tunnel Repair (IVTR) was done for large inlet VSD, using treated autologous pericardial patch, and VSDs in posterior muscular septum were also closed with treated pericardial patch. After releasing cross clamp patient had complete heart block, hence epicardial pacing started, even with pacing even after multiple attempts we were not able to come off CPB. Patient was not maintaining adequate pressures and LV contractility was very poor, LVOTO was suspected but during IVTR VSD was already enlarged anteriorly. TEE showed no evidence of LVOTO too. Hence Anomalous origin of coronary was suspected.

We again arrested the heart and opened aorta which showed normal origin of RCA and LMCA origin could not be found. I opened PA and found ALCAPA from facing sinus. Coronary button transfer was performed by flipping the button by 180 degrees. Defect in PA repaired by non-treated autologous pericardial patch. Aorta closed and cross clamp released, patient came off with good pressures with minimal support and normal sinus rhythm. TEE showed small residual VSD in posterior muscular septum, good flow in LMCA and LVEF of 25 percent. Patient was shifted to ICU with open sternum , sternum was closed on POD 1, patient was extubated on POD 4, once LVEF improved to 35 percent. Patient was discharged on POD 9.



**Image shows harvested coronary button transferred to aorta with defect in PA visible.**

.....

## **GLIMPSES FROM SPCHS NATIONAL SUMMIT ON TETRALOGY OF FALLOT**



### **Highlights from the National Summit on Tetralogy of Fallot held at Jupiter Hospital, Thane**

The first physical meeting of SPCHS after the Covid pandemic was organised by Dr Ashutosh Singh and team at Jupiter Hospital, Thane. The National Summit on Tetralogy of Fallot (TOF) convened experts from all over India and with an enthusiastic participation of young surgeons and trainees. A hugely popular hands on workshop was the highlight of the meeting with a training session on 3D printed models where the experts took the participants through the nuances of surgery for TOF.

Presentations and discussions underscored the importance of a multidisciplinary approach involving cardiologists, surgeons, anaesthesiologists, intensivists, and other specialists in delivering comprehensive care for TOF patients. A detailed list of topics covered each aspect of management of TOF from pre-operative planning, intra-operative challenges to post-operative care. Discussions also emphasized the importance of long-term follow-up and smooth transition of care from pediatric to adult cardiology services for TOF patients. The summit recognized the pivotal role of shaping research priorities, treatment decisions, and healthcare policies related to TOF. Lively debates on controversial topics made the meeting very interesting. Congratulations to the organising team for a successful event!



INDIA



[www.spchs.in](http://www.spchs.in)

## SPCHS WEBSITE TALKS & ORATIONS VIDEOS LIST

1. IYER, K.S. (2023) *Dr. Sadasivam Oration IACTSCON 2012*, YouTube. Available at: <https://youtu.be/o3TjLMDgHOU> DOI :<https://doi.org/10.5281/zenodo.8127773>
2. SHARMA, R. (2022) *Straight from the heart*, Available at <https://youtu.be/8ApEgqXNFVc> DOI: <https://doi.org/10.5281/zenodo.8127863>

3. IYER, K.S. (2023) *AATS MEETING PRESENTATION 2 patch AVSD repair, YouTube.* Available at: [https://youtu.be/IrRgzO\\_gZHM](https://youtu.be/IrRgzO_gZHM) DOI: <https://doi.org/10.5281/zenodo.8127741>
4. IYER, K.S. (2023) *DEFINING LIMITS OF BIVENTRICULAR REPAIR: A REALITY CHECK, YouTube.* Available at: <https://youtu.be/OEeCMI1R7O8> DOI: <https://doi.org/10.5281/zenodo.8127779>
5. IYER, K.S. (2023) *The late TGA IVS what strategy and when,* Available at: <https://youtu.be/JuVqY6NuSVo> DOI: <https://doi.org/10.5281/zenodo.8127854>

### SPCHS WEBSITE SURGICAL VIDEO LIST

1. KAUSHAL, S. (2023) *MITRAL ARCADE REPAIR,* Available at: <https://youtu.be/IB81OKJrbY8> <https://doi.org/10.5281/zenodo.8138137>
2. SADASIVAM, V (2023) *TWO PATCH REPAIR OF COMPLETE AVSD,* Available at: <https://www.youtube.com/watch?v=rkIGzbw-9Cc> <https://doi.org/10.5281/zenodo.10369298>

