

## Conference Abstract

DAY 2 16<sup>th</sup> September 2023 (Saturday)

POSTER

11.00 am-12.00 pm

Scientific Session 6

**Absent Pulmonary Valve Syndrome****Dhanush M, Padmalatha K, Nishaa P**

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APVS is a rare congenital heart defect characterized by absence or Underdevelopment of Pulmonary valve, along with abnormal enlargement of Pulmonary artery. APVS is of 2 types Fallot type (along with VSD) and Non Fallot type (with intact Ventricular Septum). There is incidence 3-6% in case of TOF & 0.2-0.4% of live Born infant with Congenital heart disease. Three cases were reported in our hospital at 21 weeks, 22 weeks, & 24 weeks of gestation, It was detected based on dilatation of Pulmonary artery, absent pulmonary valve, aliasing at pulmonary artery. This condition typically results in significant respiratory and cardiovascular complications due to unrestricted backflow of blood from main pulmonary artery into right ventricle. APVS is often diagnosed prenatally, frequently associated with other cardiac anomalies Such as VSD, overriding aorta, Right ventricular outflow tract obstruction. The exact cause of APVS remains unknown although genetic factors and environmental influences are believed to play a role. Diagnostic evaluation includes foetal echocardiography. Management of APVS depends on the severity of the condition and associated abnormalities. In severe cases, surgical intervention is typically required to repair the cardiac defects and alleviate the pulmonary artery enlargement. Early diagnosis and appropriate management are essential for improving outcomes and minimizing Complications associated with this condition. The particulars of the same will be mentioned in detail during the presentation.

**Keywords:** Absent pulmonary valve syndrome, Ventricular septal defect, Main pulmonary artery, Tetralogy of Fallot.