

Pulmonary Stenosis (PS)

Valvular with Hypoplastic Annulus

A narrowing occurs at the valve that connects the bottom right heart chamber (ventricle) to the main artery going to the lungs (pulmonary artery). There is also a narrowing of the ring-like tissue around the valve. This narrowing is called hypoplasia. The ring-like tissue around the valve is called the annulus.

The narrowing makes it hard for the blood to leave the bottom right heart chamber and go to the lungs for oxygen. The amount of oxygen-rich red blood to the body is reduced. The bottom right heart chamber becomes enlarged.

Surgery is done to open up the narrowed artery by using a large football shaped patch (transannular patch). This allows better blood flow from the bottom right heart chamber to the lungs for oxygen. The type of surgery depends on where the narrowing is located and how well the valve itself functions.

The surgery is done through a median sternotomy (chest) incision.

