

Fig 1:A and B: Transthoracic echocardiograph revealed contained aortic annulus rupture from the annulus of right sinus of Valsalva to the ventricular septum, right aortic cusp prolapsing with aortic regurgitation, and a pouch-like structure on the left ventricular outflow tract(3.4*2.8cm).

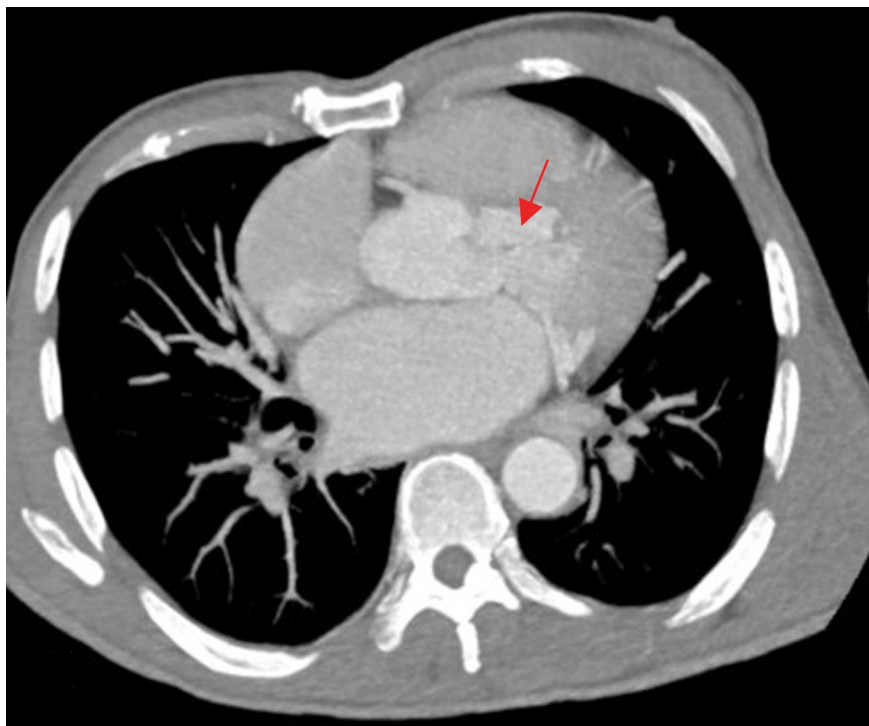


Fig 2: Computed tomography demonstrated abnormal IVS cavities and confirmed the diagnosis.

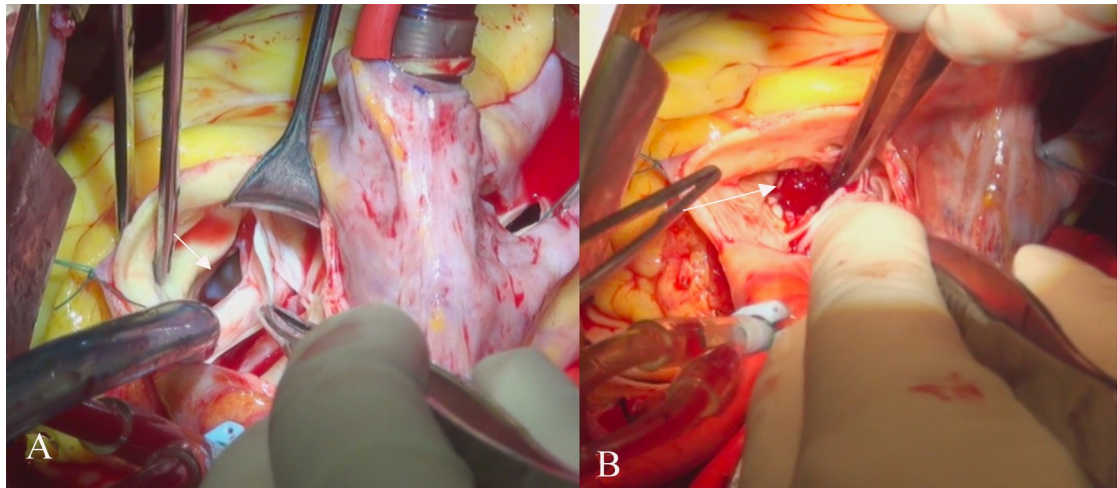


Fig3: A. During the procedure, an contained avulsion was identified external to aortic annulus about 12 mm in length along right coronary cusp, extending downward into interventricular septum forming a pouch-like structure.

Fig 3:B. A patch of fresh pericardium was tailored to reconstruct right coronary cusp for the shortened and diminished cusp.

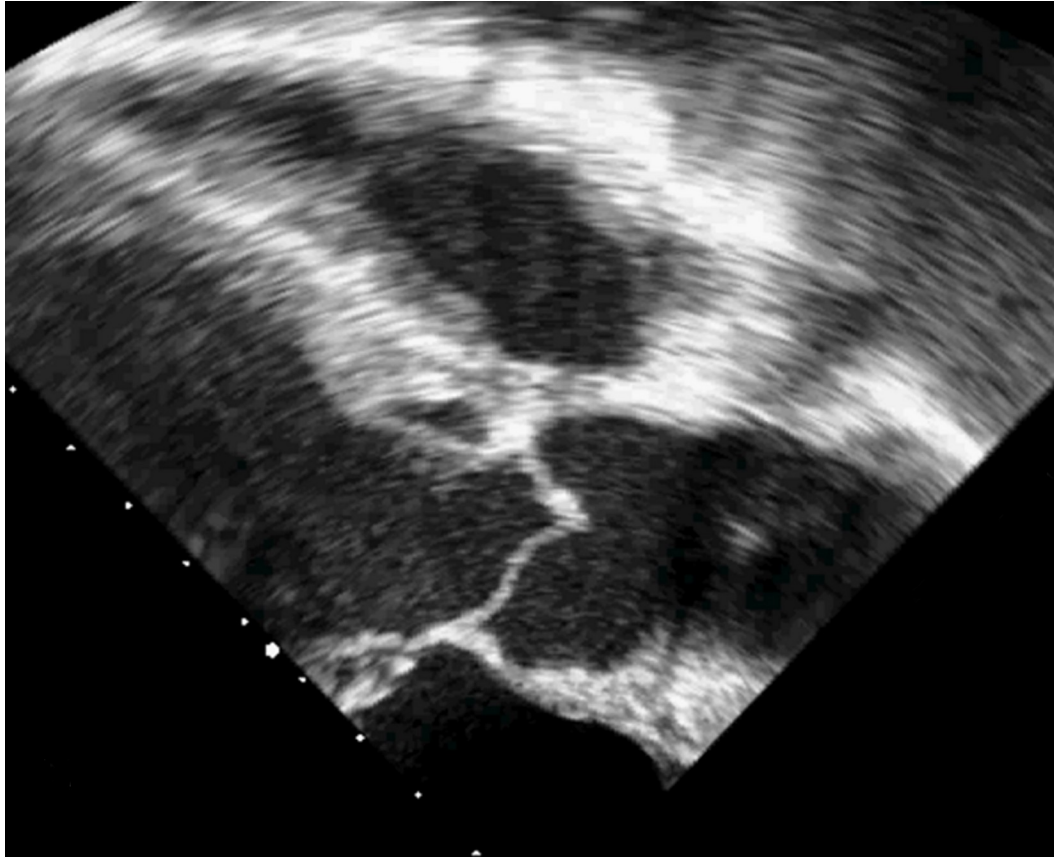


Fig 4: Aortic valve was normal without regurgitation with post-operative TEE.