

INTRAOPERATIVE RUPTURE OF THE RECONSTRUCTED AORTIC VALVE LEAFLET: A CASE REPORT

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The autologous pericardium is often used for the reconstruction of aortic valve, due to its easy accessibility and adequate strength. Reconstruction of insufficient bicuspid aortic valve was performed by resecting the leaflet and reconstructing it by using autologous pericardium. Initial perioperative transesophageal echo registered a sudden increase in regurgitation up to 2+. The rupture of the autologous pericardium used for leaflet reconstruction was noted. Although accompanied with a small number of early and late failures, the reconstruction of aortic valve with autologous pericardium still presents a good choice of treatment of aortic valve insufficiency. The development of new materials is needed for achieving better results.

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