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New Replacement of a Thrombosed Mitral Valve via Right Anterolateral Thoracotomy in a Patient with Coronary Artery By-Pass Graft and Functioning Internal Mammary Artery Graft

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Abstract: A 49-year-old male, who had undergone mitral valve replacement with mechanical cardiac valve and coronary arterial by-pass grafting six years previously, was admitted to our hospital with acute dyspnea. Transesophageal echocardiography revealed that one of the leaflets of the prosthetic valve was entirely immobilized in the closed position, and an immobile soft tissue mass was detected on the ventricular side of the obstructed leaflet. We performed re-replacement using a 29-mm mechanical prosthetic St. Jude valve under deep hypothermic circulatory arrest via right atrial thoracotomy. Postoperative course was uneventful, and the patient was discharged with oral anticoagulant therapy on day 7 postoperatively.

Key Words: Valvular heart diseases, thrombosed mechanical mitral valve, right thoracotomy, deep hypothermic circulatory arrest

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