

Surgical management of extensive aortic root endocarditis with ventricular septal rupture: A case report

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Abstract

A 79-year-old man was referred for severe cardiac decompensation. Chest radiography showed severe pulmonary edema, and transesophageal echocardiography revealed a large quantity of vegetation on all aortic valve leaflets with severe aortic valve regurgitation, heterogeneous cavities adjacent to the aortic annulus, and ventricular septal rupture. We performed thorough and extensive debridement of the aortic root; including the infected ventricular septum, reconstructed the ventricular septum and aortic root using autologous and bovine pericardial patches; and placed a bioprosthetic stented valve. The patient was discharged without any complications, and without recurrence of the endocarditis in the four years post-surgery.

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Running title: Extensive aortic root endocarditis

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