A left ventricular pseudoaneurysm due to mitral valve replacement

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A posterior left ventricular pseudoaneurysm was detected in a 80-year-old female patient during echocardiographic examination 3 years after mitral valve replacement with bioprosthesis. Cardiac MRI confirmed the diagnosis (Figs. 1 and 2). The patient, who is in NYHA class II, refused to be reoperated and is under follow-up with medical treatment.

Fig. 1. Oblique multiplanary reformation image: big arrow shows posterior pseudoaneurysm of left ventricle (5.5\times4\,cm) and small arrow shows the horn of the bioprosthesis which was thought as the possible cause of the pseudoaneurysm.

Fig. 2. Oblique truefisp cine sequence image shows posterior pseudoaneurysm of left ventricle (white arrow).