A 19-year-old male was referred to us for evaluation of heart murmur. The patient was asymptomatic and in good physical condition. On examination, his blood pressure was 126/80 mmHg, and pulse rate was 80 beats/min. Grade IV/VI systolic murmur was heard at the left sternal border.

His electrocardiogram (ECG) showed a normal sinus rhythm. A two-dimensional transthoracic echocardiogram was performed in the usual manner with a Vivid S5 General Electric (Milwaukee, WI, USA) ultrasound system and a 3 MHz transducer. The result showed situs solitus and normal arrangement of atria and ventricles with no atrioventricular or ventricular-arterial discordance. Transthoracic echocardiography showed a large perimembranous ventricular septal defect (VSD) partially obstructed by a septal leaflet of the tricuspid valve (Figure 1, Movies 1, 2, 3). A mobile filamentous structure was also seen attached to the ventricular side of the base of the anterior mitral valve leaflet with chordal attachment from anterior papillary muscles. This structure was moving in systole into the left ventricular outflow tract (LVOT) (Figure 1, 2, Movies 1, 4, 5). No relevant subaortic obstruction was demonstrated with a 14.16 mmHg maximum gradient across the LVOT (Figure 3).
The patient underwent elective surgery for a diagnosis of perimembranous VSD and non-obstructive accessory mitral valve tissue. The operation showed successfully closure of the VSD and excision of accessory mitral tissue in the LVOT.

**SUPPLEMENTARY MATERIALS**

**Movie 1**
Apical five-chamber view showing filamentous AMVT moving in the LV outflow tract with a perimembranous VSD. AMVT: accessory mitral valve tissue, Ao: aorta, LA: left atrium, LV: left ventricle, RA: right atrium, RV: right ventricle, VSD: ventricular septal defect.

[Click here to view](https://e-jcvi.org)

**Movie 2**
Parasternal long-axis view showing colored flow through the VSD. Ao: aorta, LA: left atrium, LV: left ventricle, RV: right ventricle, VSD: ventricular septal defect.

[Click here to view](https://doi.org/10.4250/jcvi.2019.0095)
Movie 3
Apical five-chamber view showing turbulent colored flow through the perimembranous VSD partially obstructed by a septal leaflet of the tricuspid valve. Ao: aorta, LA: left atrium, LV: left ventricle, RA: right atrium, RV: right ventricle, VSD: ventricular septal defect.

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Movie 4
Parasternal long-axis view showing filamentous AMVT moving in the LV outflow tract. AMVT: accessory mitral valve tissue, Ao: aorta, LA: left atrium, LV: left ventricle, RV: right ventricle.

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Movie 5
Parasternal long-axis view showing filamentous accessory mitral valve tissue attached to the chordae.

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