**Introduction**

In this report we describe a case of prenatal diagnosis of isolated left ventricular aneurysm (LVA) at 34 weeks gestation. 3-dimensional (3D) echocardiography showed a dyskinetic region with a large outpouching structure connected to left ventricle (Figure 1A). Postabortion examination confirmed the previous diagnosis (Figure 1B). Pathologic appearance revealed the 0.4 mm-thin aneurysm wall (Figure 1C) composed of unorganized muscular fibers, and plenty of red blood cells were found inside the tissues of aneurysm when compared with non-aneurysm ventricular wall (Figure 2).

**Figure 1** 3D echocardiography (A) and histological aspects (B, C) showing the left ventricular aneurysm. LA, left atrium; LV, left ventricle; RA, right atrium; RV, right ventricle.

**Conclusion**

Our case provides a clue for the ischemia theory: the possibility of rupture of small coronary artery branches leading to regional myocardial ischemia.