According to our observations of 300 cadaver hearts, we can conclude that valves covering more than 100% of the CSO are present in 2.5% of individuals and can make conventional CS cannulation difficult or even impossible (Fig. 2, 3).

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Echocardiographic diagnosis of an asymptomatic giant right atrial appendage aneurysm

A 36-year-old man with exertional fatigue was referred to the outpatient department of our hospital for assessment. Transthoracic echocardiogram revealed a large cystic mass close to the right chambers, which compressed the entire right ventricle. The lateral side of the tricuspid valve annulus was displaced because of compression (Fig. 1, 2, Video 1). Additionally, transesophageal echocardiography revealed a thin-walled outpouching cavity (85 x 45 mm) with dense echocardiographic contrast in continuity with the right atrium; this was confirmed as a giant right atrial appendage aneurysm (Fig. 3-5, Video 2, 3). Giant right atrial appendage aneurysm is extremely rare. Because of the risk

Figure 1. Transthoracic echocardiogram in the apical four-chamber view revealed a large cystic mass close to the right chambers, compressing the entire right ventricle
of rupture and thrombosis, aneurysmectomy was required; thus, the patient received surgical treatment. The postoperative course was uneventful.

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Video 1. Transthoracic echocardiogram in the apical four-chamber view revealed a large cystic mass, which compressed the entire right ventricle.
Video 2 and 3. Transesophageal echocardiography in the 94° view revealed an 85 x 45-mm thin-walled cavity in continuity with the right atrium.

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Figure 2. Transthoracic echocardiogram in the off-axis parasternal view revealed a larger cystic mass

Figure 3. Transesophageal echocardiography in the 46° view revealed a large thin-walled cavity in continuity with the right atrium

Figure 4. Transesophageal echocardiography in the 94° view revealed an 85 x 45-mm right atrial appendage aneurysm

Figure 5. Transesophageal echocardiography in the 113° view revealed a giant right atrial appendage aneurysm

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DOI:10.5152/akd.2015.5990

Supported in part by a grant from the National Research Foundation of Nature Science, China (Grant No. 81370413).