Infective Endocarditis in Aortic Bicuspid Valve and at Aorta Coarctation

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A 21-year-old patient presented weight loss, shivering and dyspnea on mild exertion. Upper-limb and lower-limb systemic arterial pressure was 160x 60 mmHg and 110x40 mmHg, respectively. Presence of aortic ejective systolic murmur 4+/6+, aspiration diastolic murmur 2+/6+ on the left sternal border. The echocardiogram showed motile echogenic images in the aortic bicuspid valve (figure 1) with important failure and mobile vegetating lesion at the initial portion of the descending aorta at the coarctation level (figure 2), which presented a gradient of 70 mmHg. We draw attention to the uncommon association between mobile vegetation inside the aortic lumen and at the coarctation.

Potential Conflict of Interest
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Study Association
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Figure 1 - Echocardiogram showing vegetation at the aortic bicuspid valve.

Figure 2 - Echocardiogram demonstrating vegetation at the aortic coarctation level.

Key Words
Infectious endocarditis; aortic valve; aortic coarctation.