Images in Cardiovascular Disease

Large Thrombosed Right Coronary Artery Aneurysm Mimicking Right Atrial Mass

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Conflict of Interest

The authors have no financial conflicts of interest.

An 80-year-old gentleman with history of coronary artery bypass surgery, repaired abdominal artery aneurysm and repaired bilateral iliac arteries aneurysms was admitted for subacute right lower limb ischemia from partially thrombosed right popliteal artery aneurysm. Before his scheduled surgery an echocardiogram was ordered to complete work-up for possible cardiac cause of thromboembolism. Echocardiogram showed a big rounded atrial mass just proximal to the tricuspid valve at the right atrioventricular junction (**Movie 1** and **Figure 1**). The mass was non-obstructive but appeared to be mobile. This finding triggered a CT angiogram of the thorax. It revealed a large calcified and thrombosed right coronary artery aneurysm compressing the right atrium externally (**Movie 2** and **Figure 2**). He underwent a successful femoral-popliteal bypass surgery and recovered well post-operatively.

SUPPLEMENTARY MATERIALS

Movie 1

Echocardiogram in four-chamber views showing relationship of the right atrial mass at the level of the right atrioventricular junction and tricuspid valve.

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Figure 1. Echocardiogram still image showing calcified and rounded right atrial mass.

Figure 2. CT angiogram showing coronal images of the heavily calcified and thrombosed right coronary aneurysm.

Movie 2

CT angiogram showing a large calcified and thrombosed right coronary artery aneurysm mimicking right atrial mass that we saw from transthoracic echocardiogram.

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