



Case Report

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A Giant Caseous Calcification of the Mitral Annulus with Uncommon Presentation



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Case Report

We described the case of a 73 years old woman who underwent an abdomen CT for a renal problem and a giant cardiac calcification was detected. The patient had no cardiac symptoms except for occasional palpitations. The ECG showed sinus rhythm with right bundle block.

The echocardiography showed a mild mitral regurgitation without stenosis and a not well defined “enlargement of the mitral annulus and of myocardium in the posterior inter-ventricular sept” with an increased hyperechogenicity but not a clear calcification.



Figure 1:

Patient underwent a cardiac CT with and without contrast medium that revealed a hyperdense mass located at the anterior and posterior mitral ring, highly suggestive of caseous calcification of the mitral annulus (see Figures 1 and 2). The mass extended circumferentially for about 75 mm with a maximum thickness of 19 mm. In contrast with other cases of mitral calcification there was not an important involvement of valve apparatus. It showed also coronary calcifications with a stenosis

around 50% in the second segment of the anterior descendant artery. The patient was asymptomatic for angor or dyspnea, so she was prescribed an ECG-holter and treated conservatively and followed with echocardiography.

Despite its benign prognosis this uncommon finding generated a lot of anxiety for the patient until the correct diagnosis was formulated because it could mimics different diseases and cardiologist and radiologist should become used to recognize it.

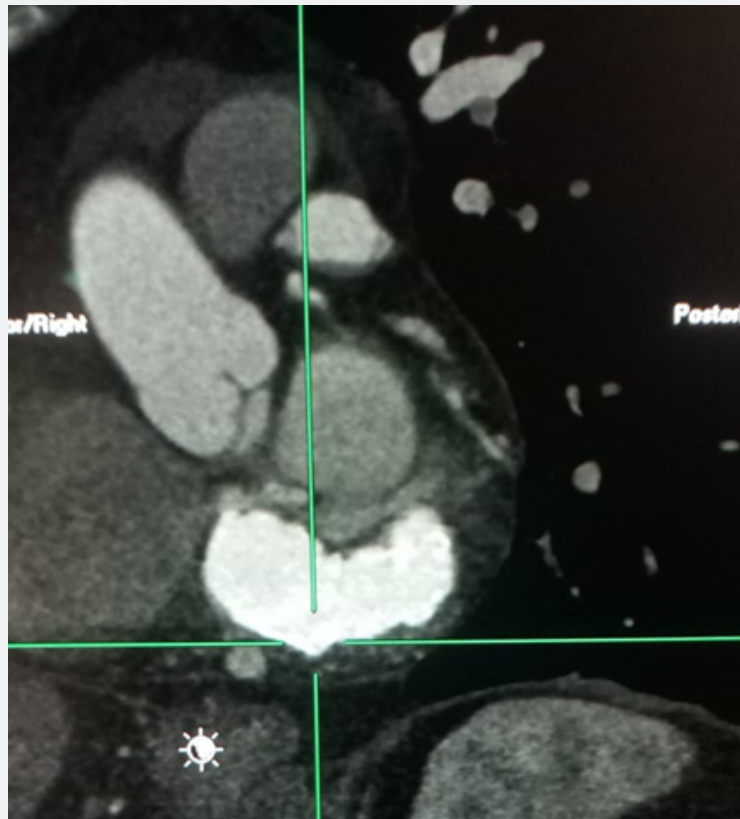


Figure 2:



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