

## Late Presentation of an Unruptured and Calcified Pseudoaneurysm of The Atrioventricular Groove

Ali Ayaon Albarrán , José Antonio Blázquez González , Ulises Ramírez Valdiris , José María Mesa García 



*Cite this article as: Albarrán AA, Blázquez González JA, Valdiris UR, Mesa García JM. Late presentation of an unruptured and calcified pseudoaneurysm of the atrioventricular groove. Eurasian J Med 2018; 59.*

**ORCID IDs of the authors:**

A.A.A. 0000-0003-4879-077X;

J.A.B.G. 0000-0002-8502-660X;

U.R.V. MD: 0000 0003 3343 7711;

J.M.M.G. 0000-0002-1785-7313.

Department of Adult Cardiac Surgery, La Paz University Hospital, Madrid, Spain

Received: December 22, 2017

Accepted: January 1, 2018

Correspondence to: Ali Ayaon Albarrán

E-mail: ali.ayaon@salud.madrid.org

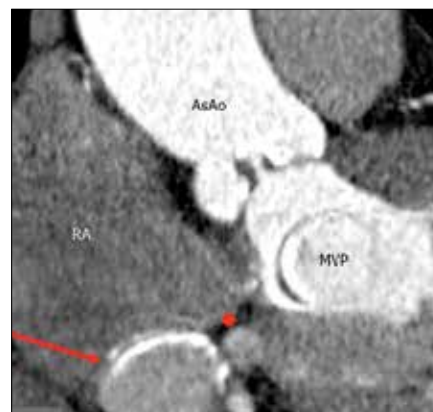
DOI 10.5152/eurasianjmed.2018.18407

©Copyright 2018 by the Atatürk University School of Medicine - Available online at [www.eurasianjmed.com](http://www.eurasianjmed.com)

A 68-year-old woman who had undergone mitral valve replacement 7 years ago developed severe aortic stenosis. Coronal contrast-enhanced chest computed tomography (Figure 1) and 3D volume-rendered magnetic resonance imaging (Figure 2) revealed an unruptured and calcified pseudoaneurysm of the atrioventricular groove. The red arrow shows the pseudoaneurysm, and the red star shows fistulae between the left ventricle and the pseudoaneurysm. The patient underwent transcatheter aortic valve replacement; the procedure was uneventful, and the patient showed successful outcomes.



**Figure 1.** Three-dimensional volume-rendered magnetic resonance image shows the unruptured pseudoaneurysm of the atrioventricular groove (red arrow). The red star shows fistulae between the left ventricle and the pseudoaneurysm. AsAo: ascending aorta LV: left ventricle



**Figure 2.** Coronal contrast-enhanced chest computed tomography; the red arrow shows the calcified and unruptured pseudoaneurysm of the atrioventricular groove. The red star shows fistulae between the left ventricle and the pseudoaneurysm. AsAo: ascending aorta; RA: right atrium; MVP: mitral valve prosthesis; LV: left ventricle

**Informed Consent:** Written informed consent was obtained from the patients who participated in this study.

**Peer-review:** Externally peer-reviewed.

**Author Contributions:** Concept - A.A.A., J.A.B.G., J.M.M.G.; Design - A.A.A.; Supervision J.A.B.G., J.M.M.G.; Resources - A.A.A., J.A.B.G., J.M.M.G.; Materials - A.A.A., U.R.V.; Data Collection and/or Processing - U.R.V., A.A.A.; Analysis and/or Interpretation - A.A.A.; Literature Search - A.A.A.; Writing Manuscript - A.A.A.; Critical Review - A.A.A.; Other - A.A.A., U.R.V.

**Conflict of Interest:** No conflict of interest was declared by the authors.

**Financial Disclosure:** The authors declared that this study has received no financial support.