



Image 1:018

Giant Floating Right Atrial Thrombus Following Balloon Mitral Valvuloplasty

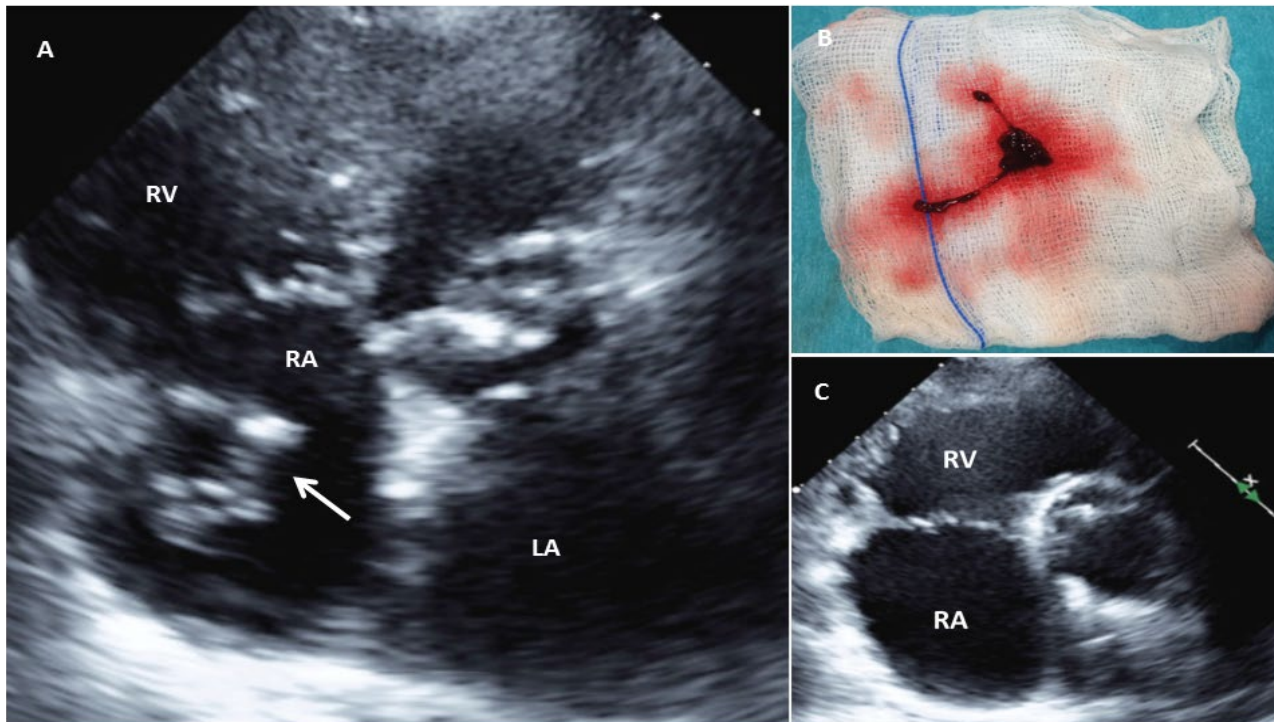


Figure 1: A) Transthoracic Echocardiography (TTE) showing the large mass/thrombus floating in the right atrium (arrow); (B) Fresh thrombus removed using transcatheter aspiration technique. (C) TTE showing no evidence of residual thrombus in the right atrium. RA: Right atrium, LA: left atrium, RV: right ventricle

Keywords

Thrombus, Balloon mitral valvuloplasty

Case Report

An 83 years-old woman underwent percutaneous balloon mitral valvuloplasty (PBMV) due to symptomatic rheumatic mitral stenosis. The transesophageal echocardiogram before PBMV revealed no atrial thrombus. PBMV was performed under fluoroscopic guidance. Following PBMV, an obstruction of the catheter lumen was detected. The transthoracic echocardiogram (TTE) showed a giant mass in the right atrium (Figure 1A), free mobile and eventually prolapsing into the right ventricle (Video). The large thrombus was completely removed percutaneously (Figure 1B), confirmed by TTE (Figure 1C). Despite the use of unfractionated heparin, thrombus formation during PBMV can occur. Echocardiographic imaging is crucial for the detection of thrombus, which cannot be identified by fluoroscopy.

Information

Georgina Fuertes Ferre^{1*}, María Carmen Aured Guallar², Esther Sánchez Insa¹ and Jose Gabriel Galache Osuna¹

¹Interventional Cardiology Unit, Miguel Servet University Hospital, Zaragoza, Spain

²Echocardiography Department, Miguel Servet University Hospital, Zaragoza, Spain

*Correspondence: Georgina Fuertes Ferre, Paseo de Isabel La Católica, 1-3, 50009, Zaragoza, Spain, Tel: +34 976765500, Fax: +34 976562565, E-mail: georginaff@hotmail.com

Citation: Fuertes-Ferre G, Guallar MCA, Insa ES, Osuna JGG (2015) Giant Floating Right Atrial Thrombus Following Balloon Mitral Valvuloplasty. Clin Med Img Lib 1:018

Published: December 06, 2015

Copyright: © 2015 Fuertes-Ferre G, et al. This is an open-access content distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.