

Porcelain Heart: “Echocardiographic Findings in Patients with Massive Calcification of the Heart”

Gill R.S.D¹, Koencoro A.S.^{1,2}, Sugiharto N.A¹, Khairunnisa A.¹, Diansari R.¹, Sukmawan R.^{1,2}

¹ Department of Cardiology and Vascular Medicine, Faculty of Medicine, Universitas Indonesia, Jakarta, Indonesia.

² National Cardiovascular Heart Center Hospital, Jakarta, Indonesia



Abstract

Background: Echocardiography plays a major role in determining diagnosis, etiology and severity of cardiac calcification. It also adds benefits in analysis of valve anatomy and decision-making for intervention. This technique has also a crucial role to assess consequences of valvular stenosis.

Aim: To review the role of transthoracic echocardiography (TTE) in diagnosing massive cardiac calcification.

Case Illustration: A 32 year old man came with signs of heart failure. The laboratory shows high calcium level indicating hyperparathyroidism state. TTE was done and there are multiple patchy calcifications at myocardium, chordae, and pericardium suspected dystrophic cardiac calcification. There are multiple patchy calcification at both LV and RV myocardium, chordae, and pericardium. Calcification are seen in aortic, tricuspid and pulmonic valves. Patient has severe MS, mild MR due to extensive calcium deposit and rheumatic process with small mobile calcified structure attached to mitral valve leaflet and chordae.

Summary: Echocardiography plays an important role in diagnosing cardiac calcification.

Keywords: TTE, porcelain heart, calcification.

[2nd World Cardiology and Cardiac Rehabilitation Meeting;](#)
Webinar- July 01-02, 2020.

Abstract Citation:

Ratna Sari Dewi Gill, Porcelain Heart: “Echocardiographic Findings in Patients with Massive Calcification of the Heart”, World Cardiology 2020, 2nd World Cardiology and Cardiac Rehabilitation Meeting; July 01-02, 2020-Webinar (<https://worldcardiology.cardiologymeeting.com/abstract/2020/porcelain-heart-echocardiographic-findings-in-patients-with-massive-calcification-of-the-heart>)

