

Septal Artery Viewed on Transthoracic Echocardiography in Patient with Hypertrophic Cardiomyopathy

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We present the case of a female patient, 40, black, under follow-up for 15 years for non-obstructive hypertrophic cardiomyopathy. She is asymptomatic. The patient's routine transthoracic echocardiography showed left atrium of 28 mL/m², ejection fraction of 69% (Simpson) and severe asymmetric septal hypertrophy with posterior wall measuring 8 mm and septum measuring 34 mm (ratio 4.8) and peak gradient at the left ventricular outflow tract of 14 mmHg. Severe septal thickening allowed the unusual view of a septal artery from the anterior descending artery on apical 4-chamber view using color Doppler.

Authors' contributions

Data acquisition: Barroso CM, Dondici Filho J, Giesta LPP, Baião LPA; Manuscript drafting: Barroso CM, Dondici Filho J,

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Potential Conflicts of Interest

There are no relevant conflicts of interest.

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Academic Association

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Keywords

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Image Article



Figure 1 – A. Septal: septal artery; LV:left ventricle; LA: left atrium.