

# A challenging case of infiltrative cardiomyopathy in a young man with syncope

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## Case Report

- Man, 43 years
- Mild smoker
- Family history of myocardial infarction and sudden death in young age.

He reported that during the last month when performing moderate-to-intense sport activity his heart rate suddenly halved, a finding that he never observed before.

## Echocardiography

The echocardiogram showed an increased thickness of the interventricular septum – IVS (15 mm), a preserved left ventricular contractility (left ventricular ejection fraction – EF: 0.55), a mildly increased right ventricular basal diameter (RVD1: 42 mm).

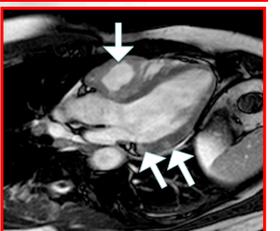


## Cardiac Magnetic Resonance

PSIR 4 chamber view- Biventricular foci of delayed enhancement of lateral wall, septum and right ventricular wall (arrows) as a result of accumulation of gadolinium chelates in the tissue



End diastolic frame of a 4-chamber view cine MRI showing areas of dyskinesia and myocardial thickening on right ventricular anterior wall, interventricular septal and lateral wall.



Sarcoid infiltrates are visible on MRI as intramyocardial focal zones with increased signal intensity on black blood T2-weighted images (white arrow).

