This infographic is intended to provide background and basic education to US medical professionals related to hypertrophic cardiomyopathy and its diagnostic considerations. It is not intended to provide a blueprint on how to treat patients. You must use your clinical judgment in analyzing and diagnosing your patients.

## THE MASQUERADER | Could It Be Hypertrophic Cardiomyopathy (HCM)?

1. Investigate for HCM and conduct further diagnostic workup based on the presence of symptoms, abnormal ECG result indicating LV hypertrophy, and/or systolic ejection murmur<sup>1-3</sup>

2. Identify and characterize LV hypertrophy using 2D echocardiography (echo) or M-mode imaging<sup>4,5</sup>

3. Assess for systolic anterior motion (SAM) of the mitral valve and left ventricular outflow tract (LVOT) obstruction using 2D and Doppler echo<sup>3,5</sup>

4. Evaluate LVOT obstruction both at rest AND with provocation (stress echo preferred over Valsalva . maneuver in certain instances) 5,6

5. Consider CMR imaging when echo results are inconclusive or for prognostic purposes<sup>3,5,7</sup>



Use if echo findings are inconclusive, if ECG and echo results do not match, or if risk stratification is needed3,5,7

NOTE: Even though CMR imaging is helpful in identifying HCM in instances when echo may be lacking, it is more helpful in some instances (eg, detection of LV apical and anterolateral hypertrophy) than others (eg, Doppler echo is preferred over CMR imaging for the quantification of LVOT obstruction)

As patients subtly adapt their lifestyles, subjective assessment of worsening

symptoms and function may be complicated.12 Therefore, objective monitoring over a patient's lifetime is crucial.

Test <sup>6</sup>	Frequency <sup>6</sup>
12-Lead ECG or TTE	Every 1-2 years
24- to 48-hour ambulatory ECG monitoring	Every 1-2 years
Cardiopulmonary exercise testing	Every 2-3 years for patients whose functional capacity or symptom status is uncertain
CMR imaging	Every 3-5 years

 2D, 2-dimensional; CMR, cardiac magnetic resonance; ECG, electrocardiogram; LV, left ventricular; MR, mitral regurgitation.
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