

ECG Contest

Response to ECG, February 2015



Respuesta al ECG de febrero de 2015

Tomás Ripoll Vera

Servicio de Cardiología, Hospital Son Llàtzer, Instituto de Investigación Sanitaria de Palma (IdISPa), Palma de Mallorca, Balearic Islands, Spain

The patient showed signs of left ventricular hypertrophy only on the ECG of 2013, according to the Cornell criteria (more reliable for the diagnosis of left ventricular hypertrophy, mainly in women).

The gradient on stress echocardiography was 32 mmHg (30% of patients with hypertrophic cardiomyopathy show obstruction only on exertion).

On both ECGs there is a long QT interval (515 and 500 ms). The family history of sudden death in both parents also suggests a possible associated long QT syndrome. We found two *KCNQ1* mutations (long QT syndrome) and an *MHY7* mutation (hypertrophic cardiomyopathy).

SEE RELATED ARTICLE:

<http://dx.doi.org/10.1016/j.rec.2014.06.028>

E-mail address: tripoll@hsl.es

<http://dx.doi.org/10.1016/j.rec.2014.06.029>

1885-5857/© 2014 Sociedad Española de Cardiología. Published by Elsevier España, S.L.U. All rights reserved.