ECG Contest

Response to ECG, February 2015

Respuesta al ECG de febrero de 2015

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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).