A 56-year-old asymptomatic man was identified in 1984 with an abnormal 12-lead ECG during a routine examination for a recreational pilot license. An ECG 2 years earlier was normal (Figure 1). Extensive work-up in 1984, including stress testing and coronary arteriography, showed no significant abnormality. In addition, an echocardiogram was within normal limits (Figure 2). In 1994, at 66 years of age, he underwent stress echocardiography, and the diagnosis of nonobstructive hypertrophic cardiomyopathy with ventricular hypertrophy confined to the cardiac apex (apical hypertrophic cardiomyopathy) was made. The abnormal ECG and echocardiographic findings have persisted without significant change to the present time. The patient remains asymptomatic.

This case demonstrates de novo development of apical hypertrophic cardiomyopathy at a relatively advanced age. Note that the ECG abnormalities evolved before the echocardiogram demonstrated left ventricular hypertrophy.
Apical Hypertrophic Cardiomyopathy Developing at a Relatively Advanced Age
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Circulation. 2001;103:1605
doi: 10.1161/01.CIR.103.11.1605
Circulation is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
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Print ISSN: 0009-7322. Online ISSN: 1524-4539

The online version of this article, along with updated information and services, is located on the World Wide Web at:
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