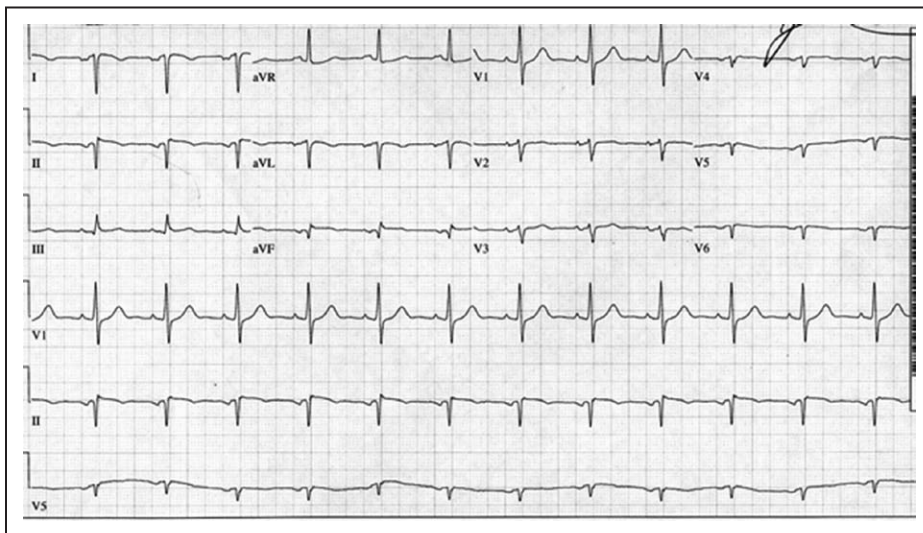


# ECG Challenge: Can You Make the Correct Morphology, Pathology, and Rhythm Diagnoses?

James A. Reiffel, MD

The patient is a 52-year-old male corporate executive who comes to the office as a new patient, having just been relocated by his company. He gives a history of smoking (1 pack per day for 25 years), hyperlipidemia, and hypertension, and he currently is taking a statin, an angiotensin receptor blocker, a  $\beta$ -blocker, and a daily aspirin. He denies any history of chest pain or dyspnea, other than 2 days of mild chest fullness with slight shortness of breath 2 months earlier during a vacation to Vail, Colorado, after a particularly stressful period at work. On return home, he saw his internist who told him, after obtaining a confirmatory echocardiogram, that he had experienced a myocardial infarction, but that his heart function was near normal. At that time, his medications were adjusted to his current regimen. He has no previous medical records with him, but denies any other recent or remote illnesses. An ECG is obtained and is shown (Figure 1: ECG #1). What is your interpretation?



To submit your diagnosis, go to <http://circ.ahajournals.org/content/134/6/499/tab-e-letters>. The diagnosis will follow in next week's issue (August 16).

*Circulation* is available at <http://circ.ahajournals.org>.

**Correspondence to:** James A. Reiffel, MD, Columbia University, c/o 202 Birkdale Lane, Jupiter, FL 33458. E-mail [jar2@columbia.edu](mailto:jar2@columbia.edu)

© 2016 American Heart Association, Inc.

## ECG Challenge: Can You Make the Correct Morphology, Pathology, and Rhythm Diagnoses?

James A. Reiffel

*Circulation*. 2016;134:499

doi: 10.1161/CIRCULATIONAHA.116.023662

*Circulation* is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231

Copyright © 2016 American Heart Association, Inc. All rights reserved.

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:

<http://circ.ahajournals.org/content/134/6/499>

**Permissions:** Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Circulation* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the [Permissions and Rights Question and Answer](#) document.

**Reprints:** Information about reprints can be found online at:  
<http://www.lww.com/reprints>

**Subscriptions:** Information about subscribing to *Circulation* is online at:  
<http://circ.ahajournals.org/subscriptions/>