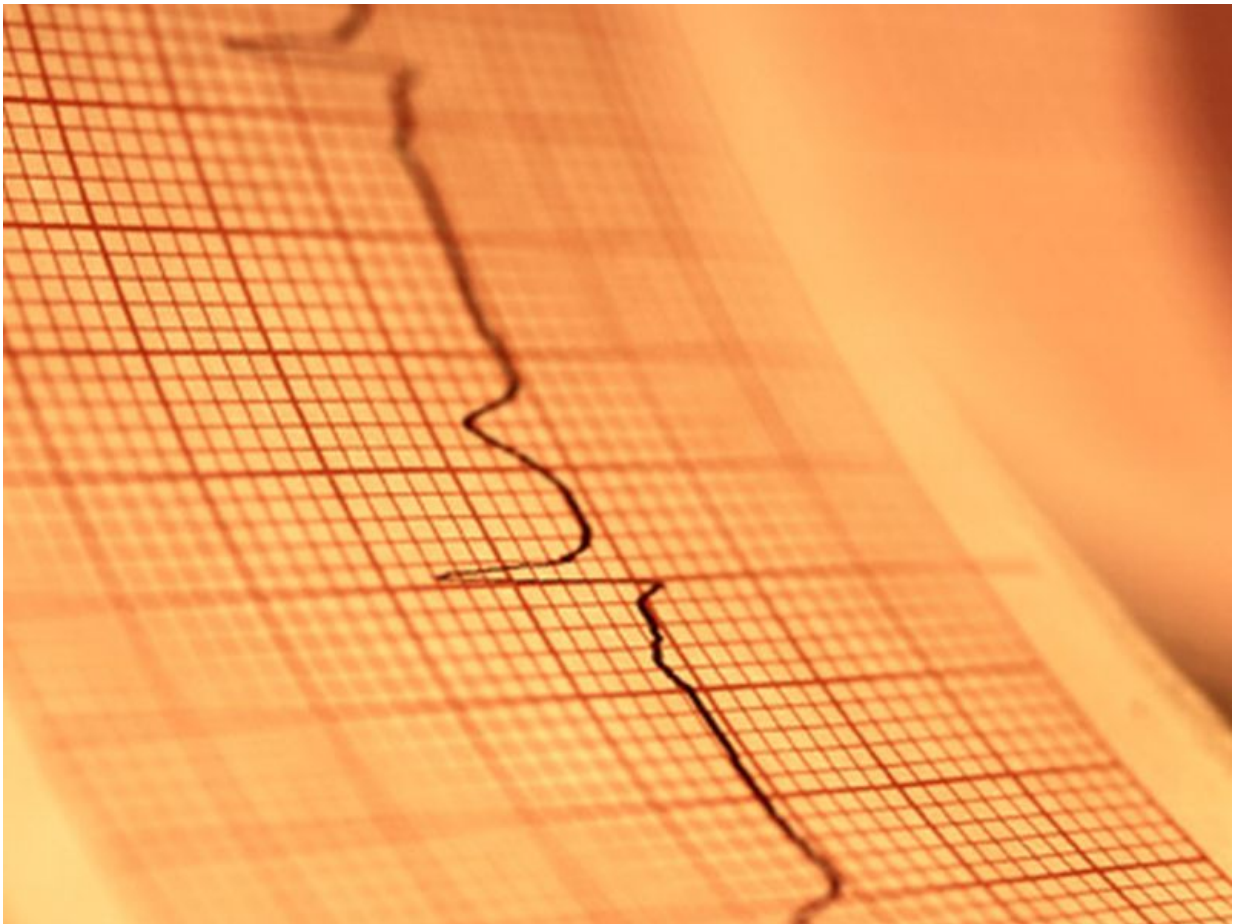


Ventricular ectopic QRS interval may be useful post-MI marker

June 6 2016



(HealthDay)—The ventricular ectopic QRS interval (VEQSI) can

identify post-myocardial infarction (MI) patients with prior serious ventricular arrhythmia, according to a study published online June 1 in *JACC: Clinical Electrophysiology*.

Rachel Bastiaenen, Ph.D., from St. George's University Hospitals NHS Foundation Trust in London, and colleagues analyzed 12-lead Holter recordings from 189 [patients](#) with previous MI: 38 with prior life threatening events (MI-VT/VF) and 151 without prior significant ventricular arrhythmia (MI-no VT/VF). Results were compared with those from 60 healthy controls. All ventricular ectopic beats (VEB) were reviewed; the duration of the longest VEB was recorded as VEQSI max.

The researchers found that VEQSI max was longer in post-MI patients than healthy controls, and in MI-VT/VF patients with prior life threatening events than in MI-no VT/VF patients without prior life threatening events (both P ventricular arrhythmia in multivariate analysis. For identifying patients with prior life threatening events, VEQSI max >198 ms had 86 percent sensitivity, 85 percent specificity, 62 percent positive predictive value, and 96 percent negative predictive value (odds ratio, 37.4).

"This may be a useful additional index for risk stratification in [ischemic heart disease](#)," the authors write.

One author disclosed financial ties to Boston Scientific and Medtronic; Boston Scientific partially funded the study.

More information: [Full Text \(subscription or payment may be required\)](#)

Copyright © 2016 [HealthDay](#). All rights reserved.

Citation: Ventricular ectopic QRS interval may be useful post-MI marker (2016, June 6)
retrieved 4 May 2024 from

<https://medicalxpress.com/news/2016-06-ventricular-ectopic-qrs-interval-post-mi.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.