

# Mortality up with spontaneous bleeding after PCI

April 13 2015

---



(HealthDay)—For patients undergoing percutaneous coronary intervention (PCI), spontaneous bleeding is associated with increased risk of death, comparable to that associated with myocardial infarction (MI), according to a study published in the April 14 issue of the *Journal of the American College of Cardiology*.

Dhruv S. Kazi, M.D., from the San Francisco General Hospital, and colleagues examined data for 32,906 patients who had a PCI and survived the index hospitalization. The authors assessed the correlations between spontaneous bleeding and MI after PCI and all-cause mortality.

The researchers found that between seven and 365 days after discharge, 530 of the patients had bleeds and 991 had MIs. Over a mean follow-up of 4.42 years, there were 4,048 deaths. The crude annual death rate was

elevated after patients experienced a spontaneous bleed or MI compared with patients who experienced neither event (9.5 and 7.6 percent, respectively, versus 2.6 percent). There was an increased rate of death in association with bleeding (adjusted hazard ratio, 1.61) which was comparable to that seen with MI (adjusted hazard ratio, 1.91). After additional adjustment for longitudinal use of antiplatelet agents, the association of bleeding with death remained significant.

"This trade-off between efficacy and safety bolsters the argument for personalizing antiplatelet therapy after PCI on the basis of the patient's long-term risk of both thrombotic and bleeding events," the authors write.

One author disclosed financial ties to Genentech.

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

[Editorial \(subscription or payment may be required\)](#)

Copyright © 2015 [HealthDay](#). All rights reserved.

Citation: Mortality up with spontaneous bleeding after PCI (2015, April 13) retrieved 24 April 2024 from <https://medicalxpress.com/news/2015-04-mortality-spontaneous-pci.html>

<p>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.</p>
--