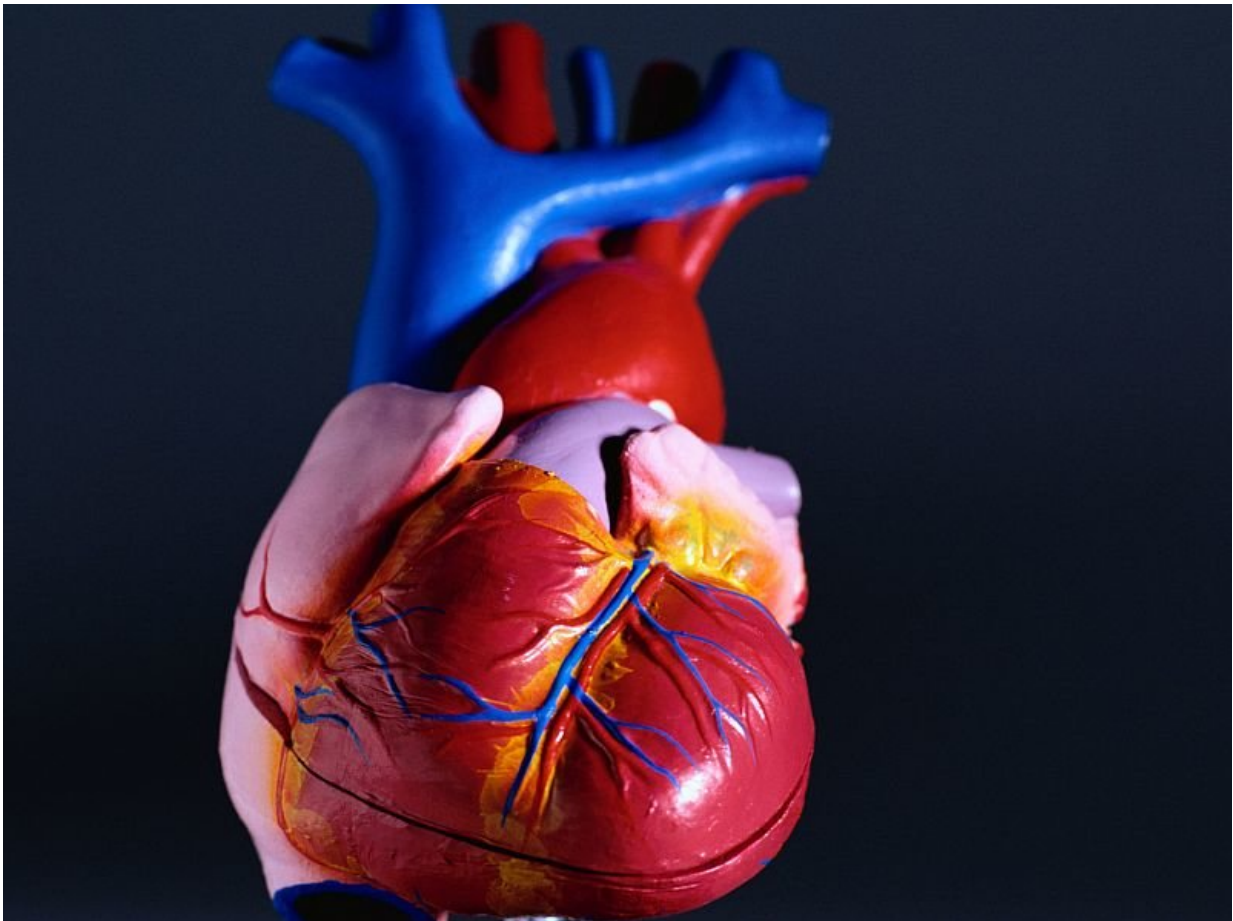


Thrombosis odds up with bioresorbable vascular scaffolds

October 17 2017



(HealthDay)—Everolimus-eluting bioresorbable vascular scaffolds

(BVSs) are associated with increased odds of scaffold thrombosis and other thrombotic events compared with everolimus-eluting metallic stents (EESs), according to a review published online Oct. 16 in the *Annals of Internal Medicine*.

Xin-Lin Zhang, M.D., from the Nanjing University School of Medicine in China, and colleagues compared the safety and efficacy of everolimus-eluting BVSs with that of EESs using data from seven randomized trials and 38 observational studies involving adults with [coronary artery disease](#) who underwent [percutaneous coronary intervention](#).

The researchers found that at a median follow-up of one year and beyond one year, the pooled incidence of definite or probable [scaffold thrombosis](#) after BVS implantation was 1.8 and 0.8 percent, respectively. In seven trials involving 5,578 patients that directly compared BVSs with EESs, the risk of definite or probable scaffold thrombosis was increased with BVSs at a median follow-up of 25 months (odds ratio, 3.4). Increased risks were seen at early, late, and very late stages; the odds were almost double for beyond one year versus within one year. BVSs were correlated with increased risks for myocardial infarction, target lesion revascularization, and target lesion failure (odds ratios, 1.63, 1.31, and 1.37, respectively); over time, there were increases in the odds for these end points.

"Compared with EESs, BVSs increased the risks for scaffold thrombosis and other thrombotic events at mid- and long-term follow-up, and risks increased over time," the authors write.

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

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

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Thrombosis odds up with bioresorbable vascular scaffolds (2017, October 17) retrieved 6 March 2023 from

<https://medicalxpress.com/news/2017-10-thrombosis-odds-bioresorbable-vascular-scaffolds.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.