

# ASBMR: Romosozumab reduces fracture rate in osteoporosis

September 12 2017

---



(HealthDay)—Romosozumab treatment followed by alendronate is

linked to reduced risk of fractures versus alendronate alone for postmenopausal women with osteoporosis, according to a study published online Sept. 11 in the *New England Journal of Medicine*. The research was published to coincide with the annual meeting of the American Society for Bone and Mineral Research, held from Sept. 8 to 11 in Denver.

Kenneth G. Saag, M.D., from the University of Alabama in Birmingham, and colleagues randomized 4,093 postmenopausal women with osteoporosis and a fragility fracture to receive monthly subcutaneous romosozumab or weekly oral alendronate for 12 months, followed by open-label alendronate in both groups.

The researchers found that the [risk](#) of new vertebral fracture was 48 percent lower in the romosozumab-to-alendronate versus the alendronate-to-alendronate group (6.2 versus 11.9 percent; P fractures occurred in 9.7 and 13.0 percent of patients in the romosozumab-to-alendronate and the alendronate-to-alendronate groups, respectively (27 percent lower risk with romosozumab; P hip fracture was 38 percent lower (2.0 versus 3.2 percent; P = 0.02).

"In [postmenopausal women](#) with osteoporosis who were at high risk for fracture, romosozumab treatment for 12 months followed by alendronate resulted in a significantly lower risk of fracture than alendronate alone," the authors write.

The study was partially funded by Amgen, the manufacturer of romosozumab.

**More information:** [Abstract](#)

[Full Text](#)

[Editorial](#)

[More Information](#)

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

Citation: ASBMR: Romosozumab reduces fracture rate in osteoporosis (2017, September 12)  
retrieved 27 April 2024 from  
<https://medicalxpress.com/news/2017-09-asbmr-romosozumab-fracture-osteoporosis.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.