

Exercise may protect older women from irregular heartbeat

20 August 2014

Increasing the amount or intensity of physical activity can cut the chances of older women developing a life-threatening irregular heartbeat, according to new research in the *Journal of the American Heart Association (JAHA)*.

Researchers found that post-menopausal women, enrolled in the Women's Health Initiative, who were the most [physically active](#) had a 10 percent lower risk of developing atrial fibrillation (AF), compared to women with low levels of [physical activity](#), even if they were obese. Obesity is an important risk factor for atrial fibrillation.

"We found the more physically active the women were, the less likely it was that they would develop [atrial fibrillation](#)," said Marco V. Perez, M.D., lead author of the study and independent instructor in cardiovascular medicine and director of the Inherited Arrhythmia Clinic at the Stanford University School of Medicine, in Stanford, Calif. "Also, the more obese the women were, the more they benefited from having greater degrees of physical activity."

At the start of the study, more than 81,000 post-menopausal women ages 50-79 were asked how often they walked outside for more than 10 minutes daily or how often they engaged in physical activity hard enough to sweat.

After 11 years, the researchers found:

- The most physically active women (those who expended more than 9 MET hours per week) had a 10 percent lower risk of developing AF compared to those who didn't walk outside for 10 minutes at least once each week. (MET is a measurement of how much energy is used during physical activity. 9 MET hours per week would be the approximate equivalent of walking briskly for 30 minutes six days a week, or bicycling at a leisurely pace for an

hour twice a week.)

- Moderately physically active women (those with less than 3 MET hours per week) had at least a 6 percent lower risk of developing AF. Walking briskly for 30 minutes twice a week would provide this benefit.
- Women who engaged in strenuous physical activity for more than 15 MET hours per week also had a 9 percent lower risk of developing AF. This was the equivalent of running two hours a week.

Earlier research suggested that strenuous exercise might increase the risk for AF, but "there shouldn't be concerns about these degrees of exercise and AF in older [women](#)," Perez said.

Provided by American Heart Association

APA citation: Exercise may protect older women from irregular heartbeat (2014, August 20) retrieved 18 August 2022 from <https://medicalxpress.com/news/2014-08-older-women-irregular-heartbeat.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.