

Study suggests tai chi can mirror healthy benefits of conventional exercise

May 31 2021



Credit: Pixabay/CC0 Public Domain

A new study shows that tai chi mirrors the beneficial effects of conventional exercise by reducing waist circumference in middle-aged and older adults with central obesity. The study was done by

investigators at the University of Hong Kong, The Chinese University of Hong Kong; Chinese Academy of Sciences; and UCLA.

Central obesity is a major manifestation of metabolic syndrome, broadly defined as a cluster of cardiometabolic risk factors, including central obesity, dyslipidemia, hyperglycemia, low high-density lipoprotein cholesterol (HDL-C) level, and [high blood pressure](#), that all increase risk for type 2 diabetes and cardiovascular disease.

543 participants were randomly assigned in a 1:1:1 ratio to a [control group](#) with no exercise intervention (n= 181), conventional exercise consisting of aerobic exercise and strength training (EX group) (n= 181), and a tai chi group (TC group) (n= 181). Interventions lasted 12 weeks.

The primary outcome was waist circumference. Secondary outcomes were [body weight](#); body mass index; high-density lipoprotein cholesterol (HDL-C), triglyceride, and fasting plasma glucose levels.

The findings suggest that tai chi is an effective approach for management of central obesity. This study has great translational significance because our findings support the notion of incorporating tai chi into global physical activity guidelines for middle-aged and [older adults](#) with central obesity.

The study is published in *Annals of Internal Medicine*.

More information: *Annals of Internal Medicine* (2021). [DOI: 10.7326/M20-7014](#),
<https://www.acpjournals.org/doi/10.7326/M20-7014>

Provided by University of California, Los Angeles

Citation: Study suggests tai chi can mirror healthy benefits of conventional exercise (2021, May 31) retrieved 17 April 2024 from <https://medicalxpress.com/news/2021-05-tai-chi-mirror-healthy-benefits.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.