

# Study finds tai chi reduces inflammation in breast cancer survivors

November 7 2014, by Reggie Kumar

---



Credit: tnrelaciones.com

(Medical Xpress)—UCLA researchers have discovered that the Chinese practice of tai chi can reduce inflammation in people who have had breast cancer, thereby reducing a risk factor for the recurrence of the cancer.

Current research indicates that women diagnosed with breast cancer in the past 10 years are three times more likely to suffer from lack of sleep. Insomnia can lead to increases in inflammation, which places breast cancer survivors at risk for cancer recurrence as well as cardiovascular disease.

Led by UCLA Jonsson Comprehensive Cancer Center member Dr. Michael Irwin, researchers conducted a five-year [randomized clinical trial](#) from April 2007 to August 2013. His team analyzed blood samples from 90 participants between 30 to 85 years old, before and after they started the [tai chi](#) routine.

"When people practice tai chi, there is a decrease in the stress hormones produced by the sympathetic nervous system," said Irwin, who is professor of psychiatry and biobehavioral sciences at UCLA.

Irwin and his colleagues also discovered that tai chi relaxes the body to a certain point that it can reduce inflammation, which is commonly seen in most [breast cancer survivors](#) after treatment.

"We saw that tai chi reversed cellular inflammation, by producing a down-regulation of the genes that lead to [inflammation](#)," said Dr. Irwin. "Tai chi is a movement meditation, and we have found that similar anti-inflammatory effects occur when people practice other forms of meditation."

Irwin said that he hopes the exercise will gain in popularity, particularly in low-income communities where many do not have immediate access to [breast cancer treatment](#).

Two-time [breast cancer](#) survivor Linda Tucker has had many sleepless nights until recently.

"I absolutely did not sleep, my eyes would not stay asleep, my body just would not relax and I found myself awake until six in the morning," said Tucker.

Desperate to find a cure for her sleeping problems, Tucker decided to participate in Irwin's tai chi study at UCLA despite her initial

skepticism.

"I said to myself, this has to be a joke, this is not going to work or do anything. But after two sessions the insomnia started going away," she said. "I just felt a sense of peacefulness."

Provided by University of California, Los Angeles

Citation: Study finds tai chi reduces inflammation in breast cancer survivors (2014, November 7) retrieved 11 May 2024 from <https://medicalxpress.com/news/2014-11-tai-chi-inflammation-breast-cancer.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.