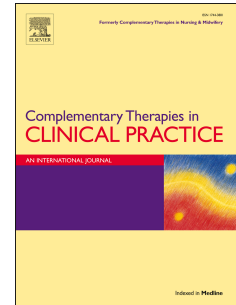


Accepted Manuscript

Effect of laughter yoga on salivary cortisol and dehydroepiandrosterone among healthy university students: A randomized controlled trial

Akiko Fujisawa, Atsuhiko Ota, Masaaki Matsunaga, Yuanying Li, Masako Kakizaki, Hisao Naito, Hiroshi Yatsuya



PII: S1744-3881(18)30085-9

DOI: [10.1016/j.ctcp.2018.04.005](https://doi.org/10.1016/j.ctcp.2018.04.005)

Reference: CTCP 861

To appear in: *Complementary Therapies in Clinical Practice*

Received Date: 8 February 2018

Revised Date: 19 March 2018

Accepted Date: 12 April 2018

Please cite this article as: Fujisawa A, Ota A, Matsunaga M, Li Y, Kakizaki M, Naito H, Yatsuya H, Effect of laughter yoga on salivary cortisol and dehydroepiandrosterone among healthy university students: A randomized controlled trial, *Complementary Therapies in Clinical Practice* (2018), doi: 10.1016/j.ctcp.2018.04.005.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Original research article:

Effect of laughter yoga on salivary cortisol and dehydroepiandrosterone among healthy university students: a randomized controlled trial

Akiko Fujisawa, Atsuhiko Ota*, Masaaki Matsunaga, Yuanying Li, Masako Kakizaki, Hisao Naito, Hiroshi Yatsuya

Department of Public Health, Fujita Health University School of Medicine
1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan

E-mail addresses: akifuji@fujita-hu.ac.jp (A. Fujisawa), ohtaa@fujita-hu.ac.jp (A. Ota), doraneco5675@gmail.com (M. Matsunaga), liyy@fujita-hu.ac.jp (Y. Li), m-kaki@umin.ac.jp (M. Kakizaki), naitoh@fujita-hu.ac.jp (H. Naito), yatsuya@fujita-hu.ac.jp (H. Yatsuya)

* Corresponding author: Atsuhiko Ota

E-mail address: ohtaa@fujita-hu.ac.jp

Department of Public Health, Fujita Health University School of Medicine
1-98 Dengakugakubo, Kutsukake-cho, Toyoake, Aichi 470-1192, Japan

Short title: Effect of LY on cortisol and DHEA

Funding and declaration of interest: This work was supported by Fujita Health University. All authors declare no conflict of interest.

3,247 words (from 1. Introduction to 5. Conclusion), 1 figure, and 2 tables.

Download English Version:

<https://daneshyari.com/en/article/8562911>

Download Persian Version:

<https://daneshyari.com/article/8562911>

[Daneshyari.com](https://daneshyari.com)