

## Accepted Manuscript

Short-term and long-term ketogenic diet therapy and the addition of exercise have differential impacts on metabolic gene expression in the mouse energy-consuming organs heart and skeletal muscle

Kozue Shimizu, Hazuki Saito, Kanako Sumi, Yuri Sakamoto, Yoichi Tachi, Kaoruko Iida



PII: S0271-5317(18)30367-1  
DOI: doi:[10.1016/j.nutres.2018.09.004](https://doi.org/10.1016/j.nutres.2018.09.004)  
Reference: NTR 7939  
To appear in: *Nutrition Research*  
Received date: 2 April 2018  
Revised date: 6 September 2018  
Accepted date: 14 September 2018

Please cite this article as: Kozue Shimizu, Hazuki Saito, Kanako Sumi, Yuri Sakamoto, Yoichi Tachi, Kaoruko Iida , Short-term and long-term ketogenic diet therapy and the addition of exercise have differential impacts on metabolic gene expression in the mouse energy-consuming organs heart and skeletal muscle. *Ntr* (2018), doi:[10.1016/j.nutres.2018.09.004](https://doi.org/10.1016/j.nutres.2018.09.004)

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.

**Short-term and long-term ketogenic diet therapy and the addition of exercise have differential impacts on metabolic gene expression in the mouse energy-consuming organs heart and skeletal muscle**

Kozue Shimizu<sup>a,d</sup>, Hazuki Saito<sup>a,d</sup>, Kanako Sumi<sup>a</sup>, Yuri Sakamoto<sup>b</sup>, Yoichi Tachi<sup>b</sup>,  
Kaoruko Iida<sup>a,c,\*</sup>

<sup>a</sup> Department of Nutrition and Food Science, Graduate School of Humanities and Sciences, Ochanomizu University, 2-1-1 Otsuka, Bunkyo, Tokyo 112-8610, Japan.

<sup>b</sup> Laboratory of Nutritional Physiology, Tokyo Kasei University, 1-18-1 Kaga, Itabashi-ku, Tokyo, 173-8602 Japan.

<sup>c</sup> The Institute for Human Life Innovation, Ochanomizu University, 2-1-1 Otsuka, Bunkyo-ku, Tokyo 112-8610, Japan.

<sup>d</sup> These authors contributed equally to this work.

\*Corresponding author:

Department of Nutrition and Food Science, Graduate School of Humanities and Sciences, Ochanomizu University, 2-1-1 Otsuka, Bunkyo-ku, Tokyo 112-8610, Japan.

Tel/Fax: +81-3-5978-5474

Email: [iida.kaoruko@ocha.ac.jp](mailto:iida.kaoruko@ocha.ac.jp)

Download English Version:

<https://daneshyari.com/en/article/11015239>

Download Persian Version:

<https://daneshyari.com/article/11015239>

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