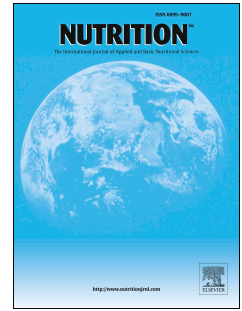


Accepted Manuscript

Effects of high beta-glucan barley on visceral fat obesity in Japanese subjects: a randomized double blind study

Seiichiro Aoe, PhD, Yasunori Ichinose, PhD, Noriko Kohyama, PhD, Kozo Komae, PhD, Asuka Takahashi, Daigo Abe, Toji Yoshioka, Takashi Yanagisawa, PhD



PII: S0899-9007(17)30092-8

DOI: [10.1016/j.nut.2017.05.002](https://doi.org/10.1016/j.nut.2017.05.002)

Reference: NUT 9958

To appear in: *Nutrition*

Received Date: 18 January 2017

Revised Date: 5 May 2017

Accepted Date: 7 May 2017

Please cite this article as: Aoe S, Ichinose Y, Kohyama N, Komae K, Takahashi A, Abe D, Yoshioka T, Yanagisawa T, Effects of high beta-glucan barley on visceral fat obesity in Japanese subjects: a randomized double blind study, *Nutrition* (2017), doi: 10.1016/j.nut.2017.05.002.

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.

**Effects of high beta-glucan barley on visceral fat obesity in Japanese subjects: a randomized
double blind study**

Running head: High- β -glucan barley intake and visceral fat

Seiichiro Aoe PhD^a, Yasunori Ichinose PhD^b, Noriko Kohyama PhD^b, Kozo Komae PhD^c, Asuka
Takahashi^c, Daigo Abe^c, Toji Yoshioka^c, Takashi Yanagisawa PhD^b

^aDepartment of Food Science, Otsuma Women's University

^bInstitute of Crop Science, National Agriculture and Food Research Organization (NARO)

^cWestern Region Agricultural Research Center, NARO

Role of each author in the work: Conception and design of study: Seiichiro Aoe, Yasunori

Ichinose, Noriko Kohyama, Kozo Komae, Asuka Takahashi, Daigo Abe, Toji Yoshioka, Takashi

Yanagisawa

Collection, analysis of data, drafting of the manuscript: Seiichiro Aoe, Noriko Kohyama, Daigo Abe,

Toji Yoshioka, Takashi Yanagisawa

Word count: 4238 words, 2 tables, 2 figures.

*Corresponding author. Department of Food Science, Faculty of Home Economics, Otsuma

Women's University, 12 Sanban-cho, Chiyoda-ku, Tokyo, 102-8357, Japan

Tel: +81-3-5275-6048; fax: +81-3-5275-6048

Download English Version:

<https://daneshyari.com/en/article/5656856>

Download Persian Version:

<https://daneshyari.com/article/5656856>

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