

Accepted Manuscript

Effects of combination of whey protein intake and rehabilitation on muscle strength and daily movements in patients with hip fracture in the early postoperative period

Masaya Niitsu, Daisuke Ichinose, Taku Hirooka, Kazuhiko Mitsutomi, Yoshitaka Morimoto, Junichiro Sarukawa, Shoichi Nishikino, Katsuya Yamauchi, Kaoru Yamazaki

PII: S0261-5614(15)00181-8

DOI: [10.1016/j.clnu.2015.07.006](https://doi.org/10.1016/j.clnu.2015.07.006)

Reference: YCLNU 2607

To appear in: *Clinical Nutrition*

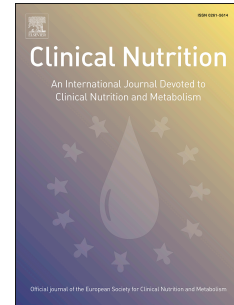
Received Date: 4 August 2014

Revised Date: 1 May 2015

Accepted Date: 8 July 2015

Please cite this article as: Niitsu M, Ichinose D, Hirooka T, Mitsutomi K, Morimoto Y, Sarukawa J, Nishikino S, Yamauchi K, Yamazaki K, Effects of combination of whey protein intake and rehabilitation on muscle strength and daily movements in patients with hip fracture in the early postoperative period, *Clinical Nutrition* (2015), doi: 10.1016/j.clnu.2015.07.006.

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 combination of whey protein intake and rehabilitation on
muscle strength and daily movements in patients with hip fracture in
the early postoperative period**

Authors

Masaya Niitsu¹, Daisuke Ichinose¹, Taku Hirooka¹, Kazuhiko Mitsutomi¹, Yoshitaka
Morimoto², Junichiro Sarukawa², Shoichi Nishikino³, Katsuya Yamauchi⁴, Kaoru
Yamazaki²

Affiliations

- 1) Department of Rehabilitation, Iwata City Hospital, 512-3 Okubo-machi, Iwata-shi,
Shizuoka, Japan
- 2) Department of Orthopedic Surgery, Iwata City Hospital, 512-3 Okubo-machi,
Iwata-shi, Shizuoka, Japan
- 3) Department of Orthopedic Surgery, Wakamatsu Hospital of the University of
Occupational and Environmental Health, 1-ban 1-go Iseigaoka, Yahatanishi-ku,
Kitakyushu-shi, Fukuoka, Japan
- 4) Department of Rehabilitation Medicine, Hamamatsu University School of Medicine
University Hospital, 1-20-1 Handayama, Hamamatsu-shi Higashi-ku, Shizuoka,
Japan

Download English Version:

<https://daneshyari.com/en/article/5872162>

Download Persian Version:

<https://daneshyari.com/article/5872162>

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