

Title	Good effects of weekly calisthenics on body composition : qualitative changes in % body fat and lean body mass after 7 weeks exercise
Sub Title	
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Publisher	慶應義塾大学体育研究所
Publication year	1992
Jtitle	体育研究所紀要 (Bulletin of the institute of physical education, Keio university). Vol.32, No.1 (1992. 12) ,p.105- 105
JaLC DOI	
Abstract	
Notes	Abstract
Genre	
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00135710-00320001-0105

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Good Effects of Weekly Calisthenics on Body Composition

—Qualitative Changes in % Body Fat and Lean Body Mass
after 7 Weeks Exercise—

By *Ken Yamauchi**
*Hirohito Kato**
*Sadayoshi Imae***

In Keio University, the students take Physical Training class once a week. In this paper, we are going to research whether these classes have a good effect on them.

We classified the students who take no kind of exercise into 2 groups. Group 1 is consisted of students who attended all 7 classes and group 2 is consisted of those who were absent for once or more.

To estimate the level of effect, we discuss the 2 groups how their % body fat and lean body mass change, which were measured and calculated at the first and at the seventh class.

The results are as follows:

The changing conditions were the following 9

A: %FAT ↓, LBM ↑ F: %FAT ↑, LBM q

B: %FAT ↓, LBM q G: %FAT ↑, LBM ↑

C: %FAT ↓, LBM ↓ H: %FAT q, LBM ↑

D: %FAT q, LBM ↓ I: %FAT q, LBM q

E: %FAT ↑, LBM ↓

↑: increase, ↓: decrease, q: changeless

A, B, G, H, and I are better and ideal limits for the change of body composition among the 9. According to the statistics, the students of group 1 has much more possibility of being in these conditions than the group 2.

Therefore, physical training makes a great contribution to changing and maintaining better body composition for the students mentioned above.

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