

ERRATUM

Erratum in "Effects of microalgal polyunsaturated fatty acid oil on body weight and lipid accumulation in the liver of C57BL/6 mice fed a high fat diet" J Biomed Res. 2016, 30(3):234-242. with authors Ryeo-Eun Go, Kyung-A Hwang, Geon-Tae Park, Hae-Miru Lee, Geum-A Lee, Cho-Won Kim, So-Ye Jeon, Jeong-Woo Seo, Won-Kyung Hong, Kyung-Chul Choi.

The authors have recently found some statistical errors in the expression of statistical significances in Figure 1 and Table 3 and would like to resubmit the corrected forms of these results through the erratum. In this regard, authors added the revised descriptions for the corrected forms of Figure 1 and Table 3 in Abstract, Results, and Discussion. Although the revised results are not entirely different from the previous ones, they influenced result analysis to some degree. The authors apologize for this mistake and would like the errors to be properly corrected as follows:

Figure 1

Corrected forms of Figure 1

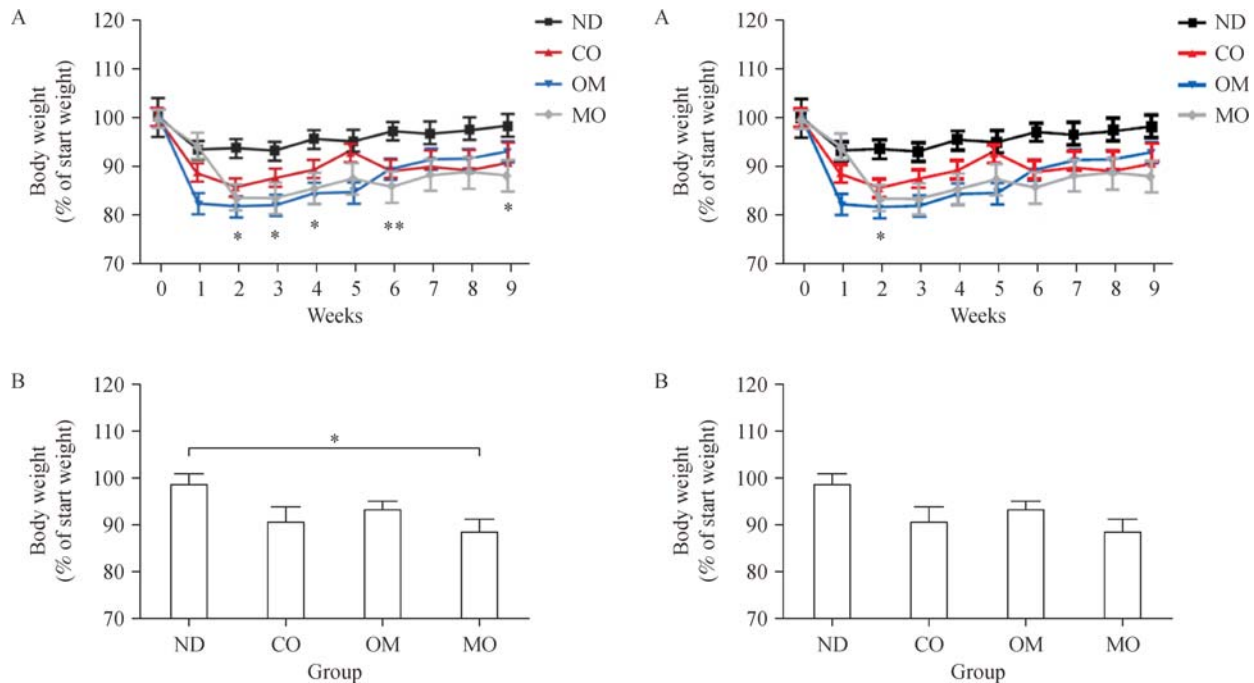


Table 3

	Weeks after treatment								
	1	2	3	4	5	6	7	8	9
ND	93.2±1.8	93.6±1.9	93±1.8	95.6±2	95.1±2.3	96.9±2.3	96.7±2.3	97.6±2.4	98.4±2.3
CO	88.5±2.9	85.4±3.4	87.4±3.6	89.4±4.1	92.7±3.5	88.9±3.5	90.1±3.5	89.5±3.4	90.2±3.4
OM	82.2±2.2	81.6±2.4*	81.9±2.1**	84.3±1.7*	84.5±2.7*	89.6±1.5*	91.2±1.7	91.4±1.7	92.8±1.9
MO	94.2±2.4	83.2±2.7*	83.4±3.2*	85.6±2.9*	87.2±2.7	85.6±3.4**	88.1±2.9	88.8±2.6	88.2±2.6*

Corrected Table 3

	Weeks after treatment								
	1	2	3	4	5	6	7	8	9
ND	93.2±1.8	93.6±1.9	93±1.8	95.6±2	95.1±2.3	96.9±2.3	96.7±2.3	97.6±2.4	98.4±2.3
CO	88.5±2.9	85.4±3.4	87.4±3.6	89.4±4.1	92.7±3.5	88.9±3.5	90.1±3.5	89.5±3.4	90.2±3.4
OM	82.2±2.2	81.6±2.4*	81.9±2.1	84.3±1.7	84.5±2.7	89.6±1.5	91.2±1.7	91.4±1.7	92.8±1.9
MO	94.2±2.4	85.4±2.7	83.3±3.2	87.3±3.1	87±2.6	85.6±3.5	85.7±3.2	87.5±2.9	87.9±2.7

In Abstract:

"All three types of oils induced weight loss in high-fat-induced obese mice, with the loss induced by microalgal oil being most significant at 9 weeks (10% reduction). " should be corrected as "All three oils displayed the weight loss tendency in high fat-induced obese mice, with the weight loss effect of microalgal oil being more apparent though there were no distinct statistical significances. "

"Collectively, these findings suggest that microalgal oil, derived from *Thraustochytriidae sp.* derived mutant, is a prominent candidate for replacement of omega-3 fish oils based on its apparent anti-obesity effect *in vivo*. " should be corrected as "Collectively, these findings suggest that microalgal oil, derived from *Thraustochytriidae sp.* derived mutant, is another candidate for replacement of omega-3 fish oils based on its apparent anti-obesity effect *in vivo*."

In Results:**Body weight**

"The mice administered with oils showed greater weight loss than those in the control group for 9 weeks (**Fig. 1A & Table 3**). Among the oils, the weight loss effect of microalgal oil was revealed to be most significant than any other oils at the end of experiment (9th week) (**Fig. 1B**). Specifically, the body weight of the MO group greatly decreased from the second week and was maintained at a reduced state until the end of the test. The weight loss effect of omega-3 fish oil was strongly apparent from the first week, but steadily decreased with time after week 6. Corn oil also induced weight loss compared to the control, although to a lesser degree than microalgal oil and commercial omega-3 fish oil. " should be corrected as " The mice administered with oils showed greater weight loss tendency than those in the control group for 9 weeks, albeit there were no distinct significances except in the case of OM group (at 2 weeks) (**Fig. 1A & Table 3**). Among the oils, the weights of MO group displayed a tendency to decrease bigger than any other oils at the end of experiment (9th week) (**Fig. 1B**). Unfortunately, there was no statistical significance in this case, either, which is considered to be due to large deviations between the mice within the group."

In Discussion:

"All three oils induced weight loss in highfat-induced obese mice, with the weight loss effect of microalgal oil being greatest. " should be corrected as "All three oils displayed the weight loss tendency in high fat-induced obese mice, with the weight loss effect of microalgal oil being more apparent though there were no distinct statistical significances due to large deviations between the mice within the group".

"The significant weight loss and reduction of lipid accumulation in the liver in response to microalgal oil may have occurred due to its high content of PUFAs and omega-3 oils. Although more intense studies elucidating its antiobesity efficacy are needed, the microalgal oil tested in this study can be considered a prominent candidate for replacement of omega-3 fish oils. " should be corrected as "The weight loss tendency and reduction of lipid accumulation in the liver in response to microalgal oil may have occurred due to its high content of PUFAs and omega-3 oils. Although more intense studies elucidating its antiobesity efficacy are needed, the microalgal oil tested in this study can be considered another candidate for replacement of omega-3 fish oils".