

## Reviewer's report

**Title:** Diacylglycerol oil for the metabolic syndrome

**Version:** 2 **Date:** 23 October 2007

**Reviewer:** Hirowatari yuji

### Reviewer's report:

#### General

Yanai et al in this review reported that diacylglycerol oil, one of natural edible oils, is effective for fasting and postprandial hyperlipidemia, and obesity prevention. They have concluded usefulness of dietary diacylglycerol oil for preventing the metabolic syndrome. This review is interesting, in which important information was contained for the management of metabolic syndrome. The authors however should revise at some points.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

1) The diacylglycerol is natural edible oil, not toxic oil. But, the authors should show the predicted demerit of long-term ingestion or excess ingestion in Introduction or others.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

1) I thought that 1(3)-MAG is 1-MAG or 3-MAG in figure 3. But, the authors did not indicate that.

2) I had found tow words of Fig. 2 in figure legends. One of Fig. 2 is mistaken.

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Discretionary Revisions (which the author can choose to ignore)

1) The mechanism of improvements in postprandial hyperlipidemia by DAG ingestion: Although 1,2-DAG is not mainly in form of DAG, the metabolic pathways should be slightly shown.

2) How dose of DAG is high effective for obesity prevention? The information will help the readers understand the review.

**What next?:** Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.