

## **Reviewer's report**

**Title:** No evidence of differential effects of SFA, MUFA or PUFA on post-ingestive satiety and energy intake: a randomised trial of fatty acid saturation

**Version:** 1 **Date:** 23 December 2009

**Reviewer:** Anne Moorhead

### **Reviewer's report:**

#### Overall Comments

This is an interesting study that the question posed by the authors was new and well defined. The methods were appropriate and well described, and sufficient details were provided. The data were appropriate. The manuscript adhered to the relevant standards for reporting and data deposition. The discussion and conclusions were well balanced and adequately supported by the data. The title and abstract accurately conveyed what was found. The manuscript was well and clearly written but some sentences were very long, such as in the Introduction lines 2-6. The tables and figures were clear.

The statistical analysis was appropriate. It is interesting that the single factor ANOVA was conducted in Excel as this could have been completed in SAS as with the other statistics.

Although it was not surprising that the results were non-significant, perhaps if the test breakfasts were served as preloads significant results may have been yielded but this is unknown.

This study is worthy of publication, which would contribute to the body of research within the area of satiety. I would recommend that this manuscript to be published following the minor essential revisions below.

The suggested revisions are as follows:

#### • Minor Essential Revisions

1. Please clarify by stating clearly for the participant who only completed two treatments – what were the treatments completed, and which one that he didn't complete, and also state if the data analysis was conducted on 18 or 17 participants (was this participant's data included or not, the reader is lead to believe that they were)
2. On the figures, state the number of participants
3. 'Participants' and 'subjects' were used interchangeably, please be consistent and use one term or the other.
4. In Table 4, ensure that all the text is visible in the last column as at present, some text is missing.

5. Figure 1, ensure that the upper limit error bar is visible for PUFA for 'Visual Appeal'.

6. Figure 3, close the bracket, Energy Intake (MJ)

• Discretionary Revisions

1. Some sentences could be shortened to enhance clarity, such as in the Introduction lines 2-6.

2. Word 'years' could be added after the ages, such as in the participants and methods section, page 6, line 3.

3. In Table 2, food portion sizes served could be added.

4. 'n' should be 'N'

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests