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: 4 November 2009

Reviewer: Bridget Benelam

Reviewer's report:

Overall, I found the manuscript well written and the study seemed to be well conducted (although I do not have experience in conducting research of this kind), and highlights what seems to be the feeling among experts in the field that saturation of fatty acids probably does not make a significant difference to satiety or subsequent energy intake when consumed in feasible under relatively natural conditions. I do not have any major essential revisions.

MINOR ESSENTIAL REVISIONS

Figure 1 would benefit from having more explanation

Table 4 - it would be useful to have an indication of the study endpoints if possible

DISCRETIONARY REVISIONS

In the introduction, the issue of energy density may be more important in determining satiety responses than implied here - see Raben et al. 2003 (included in reference list) who found no difference in satiety responses to macronutrients when energy density was controlled. It may also be useful to include a point about the ease of passive overconsumption of energy with high fat foods, see Blundell JE, Burley VJ, Cotton JR et al. (1993) Dietary fat and the control of energy intake: evaluating the effects of fat on meal size and postmeal satiety. American Journal of Clinical Nutrition 57:772S–8.

Level of interest: An article of importance in its field

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