

## **Reviewer's report**

**Title:** Differential Susceptibility to Obesity Between Male and Female Mice

**Version:** 1 **Date:** 23 October 2008

**Reviewer:** Blanka Zelezna

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

Body weights and fat weights of male, female, and ovariectomized females fed with calorically different diets are given in the article.

Major points:

-Only total fat weight is given, not fat distribution and comparison of the ratio between subcutaneous and visceral fat in groups fed with HF diet.

-Neither metabolic (blood glucose, triglycerides, free fatty acids, insulin, leptin...)nor inflammatory parameters (blood leptin, CRP...) are given.

-Hypothesis on obesity as chronic inflammatory state is not mentioned.

All these items mentioned are necessary if a link between obesity and cancer is to be discussed.

Minor points:

-How old were the mice when ovariectomized?

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

**Quality of written English:** Acceptable

**Statistical review:** Yes, but I do not feel adequately qualified to assess the statistics.

**Declaration of competing interests:**

I declare that I have no competing interests.