Reviewer's report

Title: Circulating adiponectin levels are lower in Latino versus non-Latino white patients independent of adiposity measures: a cross-sectional study

Version: 1 Date: 3 March 2011

Reviewer: Hiroshi Hirose

Reviewer's report:

1. Rocio I. Pereira and colleagues compared total and HMW adiponectin in Latino vs. white individuals, identified factors associated with adiponectin in each ethnic group, and measured the contribution of adiponectin to ethnic differences in insulin resistance. They found among patients with CVD risk that both total and HMW adiponectin levels are lower in Latinos, independent of adiposity and other known regulators of adiponectin. Because adiponectin levels accounted for the observed variability in insulin resistance, they suggested a contribution of decreased adiponectin to insulin resistance in Latino populations.

2. Major Compulsory Revisions:
As the authors also described, adiponectin level in females is much higher than that in males. So the reviewer feels important to show adiponectin levels in males and females separately, for example, in Figures 2 and 3.

Level of interest: An article of importance in its field

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.