Reviewer's report

**Title:** Plasma 24S-hydroxycholesterol levels in elderly subjects with late onset Alzheimer’s disease or vascular dementia: a case-control study

**Version:** 3  **Date:** 29 August 2011

**Reviewer:** Benjamin Wolozin

**Reviewer's report:**

This is a resubmitted manuscript describing changes in the levels of plasma 24 hydroxycholesterol among subjects with late onset AD, vascular dementia and cognitively intact nondemented elderly subjects. The authors observe that the levels of 24-hydroxy-cholesterol were higher in subjects with late onset AD, and lowest in subjects with vascular dementia. The authors have responded well to all of the criticisms. They have greatly improved the introduction and discussion, and added important correlates into their results section.

One minor correction: the second sentence of the discussion has a typographical error and should read “LOAD compared to CIND”.

1. No major revisions
2. Minor essential revision: The second sentence of the discussion has a typographical error and should read “LOAD compared to CIND”.

**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.

**Declaration of competing interests:**

I declare that I have no competing interests