Reviewer's report

Title: Antihyperlipidemic Effects of Pleurotus Ostreatus (Oyster Mushrooms) in HIV-Infected Individuals Taking Antiretroviral Therapy

Version: 2 Date: 8 June 2011

Reviewer: Joanna Stewart

Reviewer's report:

Minor essential

1. Abstract. Results. The statement about increased HDL and decreased triglycerides should be modified with a statement of a lack of consistent trend over time.
2. Abstract. Conclusion. The final statement does not reflect that from the paper itself and is too strong.
4. Results. Give more information about at what stage the 5 participants withdrew. Was data recorded at any time points for them? If so this should be reported too.
5. Statistical methods state that the repeated measure of the outcomes over time will be modelled to estimate the change over time. However the results only report summary means which do not take into account the within person changes over time. If this analysis, allowing for the within person correlation of measures showed at least weak evidence of a real change there would be more justification for putting weight on the differences discussed at the final time point.
6. As the statistical methods clearly describe the method to be used to determine whether it would be worth conducting an RCT it would be good to make this outcome and how it compared to this a little clearer in the discussion
7. Discussion. Again when referring to the possible changes in HDL cholesterol and triglycerides some comment about the pattern over time should be included, preferably based on a formal analysis incorporating the repeat measures

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

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