Reviewer's report

Title: A clinical trial to evaluate the effects of Plantago ovata husk in Parkinson patients: changes in levodopa pharmacokinetics and biochemical parameters

Version: 3  Date: 17 February 2014

Reviewer: Joanna Stewart

Reviewer's report:

Major
1. Analysis
It is not apparent from the statistical methods that the within person correlation of measures from different treatments within the same person has been accounted for in the analysis, ie the cross over of treatments. The analysis should use a mixed model approach including subject as a random effect. If subject has been included in the analysis then this needs to be described in more detail in the methods. If not then the analysis needs to be redone appropriately for this cross over design. Was the period effect investigated? Ie whether there is a difference in the effect of treatment depending on whether it was administer in the first or second time period? If the analysis method does not allow for period there needs to be assurance given that there was no period effect.

Minor
The English in the first sentence in the abstract needs correction
P10 3rd line from bottom – in some patients (not same)
Fig 2-4 – the symbol for the initial situation is incorrect for the second column of figures – there are 2 circles which prevents differentiation of group if not viewed in colour

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