Reviewer's report

**Title:** Subregional 6-[18F]fluoro-L-m-tyrosine Uptake in the Striatum in Parkinson's Disease

**Version:** 1  **Date:** 22 December 2010

**Reviewer:** Atsuko Nagano-Saito

**Reviewer's report:**

This report is well written with many subjects. I have a few minor questions only.

page 4
For the symptoms, are there any correlations between them (e.g., between tremor and rigidity, between rigidity and postural instability)?

Which side is more affected in the patients. In my impression, the right side is more severe usually. Does it happen?

page 5
Why do you use carbidopa?

Is the ROI on the cerebellum located bilaterally?

page 6
Why do you use ANOVA? Do you mean repeated measures ANOVA?

Did you do the correlation analysis separately?

page 7
You mention that asymmetry decreased with disease progression; did you do statistical analysis for this?

Table 1
Are there any significant difference between groups?

Table 2
May I ask you to add correlation ratio for tremor and ROI data with p value?

Figure 1
Please add SCR scale on the figure?

**Level of interest:** An article of outstanding merit and interest in its field

**Quality of written English:** Acceptable
Statistical review: Yes, and I have assessed the statistics in my report.