

## **Response to reviewers comment:**

**Reviewer's code:** 02446027

### **Major Comments:**

The presentation of data in figures 2 and 3 in low magnification is confusing; the interpretation of data from these figures is difficult. Please produce the color figures with larger scale and higher quality. **Done**

### **Minor Comments:**

1. Some of the references were old. For example, reference number 20 is dated in the 1960's. The authors should delete the old references and add new, more appropriate up-to-date references to the reference section. **Done**
2. During the first occurrence of an acronym, should spell out a technical term first and then present the acronym abbreviation in parentheses and then continue subsequent reference by abbreviation only. **Done**

**Reviewer's code:** 02446204

### **Major concerns:**

1. It would be better if authors describe the future direction of their study in Discussion such as an execution of studies using primate models of PD, an implement of clinical trials and so on. **Done**
2. It would be better if authors refer their previous report (PMID: 24567299) and add some comments regarding the usage of MSCs of different tissue origins. **Done**

### **Minor concerns:**

1. This manuscript contains several grammatical errors. **All corrections performed**