

Reviewer #1:

Major correction

1) What was the rationale for collecting human placental samples from healthy, full-term, complicated pregnancy??, why complicated pregnancy??

Response:

We are very sorry for our careless. The word “complicated” is a spelling error. “Human placental sample was collected from healthy, full-term, complicated pregnancy” have been revised as “Human placental sample was collected from healthy, full-term, uncomplicated pregnancy” (see line 27 in page 4). Thank you very much for your kind reminding. The rigorous scientific manner is worth studying.

2) What were the types of complications?

Response:

We are very sorry for our careless. The word “complicated” is a spelling error. “Human placental sample was collected from healthy, full-term, complicated pregnancy” have been revised as “Human placental sample was collected from healthy, full-term, uncomplicated pregnancy” (see line 27 in page 4). Thank you very much for your kind reminding. The rigorous scientific manner is worth studying.

3) Detailed information about the composition of the media that was used for culturing AM-MSCs??

Response:

We are very sorry for our careless. Thank you very much for your kind reminding. The rigorous scientific manner is worth studying. According to your kind reminding, we have added the details about the culture medium used to culture MSCs. The added part has been marked in red in manuscript (see lines 2-5 in page 5).

4) The optimal time point for early intervention is recommended in stroke to improve the survival of brain cells. Please justify the time selected for intravenous administration of stem cell-derived secretome?

Response:

We strongly agree with your point of view. The optimal time point of early intervention in stroke is important for improving the survival of brain cells. Thank you very much for your suggestions. The rigorous scientific manner is worth studying. Your advice and insight are very much appreciated. We have justified the time selected for intravenous administration of stem cell-derived secretome. The revised part has been marked in red in manuscript (See line 1 in page 6).

Minor correction:

- The manuscript contains some typing errors needed to be corrected

Response:

We are very sorry for our careless. Thank you very much for your kind reminding. The rigorous scientific manner is worth studying. According to your kind reminding, we have corrected some typing errors. The revised part has been marked in red in

manuscript.

- No page number is present

Response:

We are very sorry for our carelessness. Thank you very much for your kind reminding. The rigorous scientific manner is worth studying. According to your kind reminding, we have added page number.

Reviewer #2:

1. Authors should include ethical approval details in manuscript under which this study was performed.

Response:

We are very sorry for our carelessness. Thank you very much for your kind reminding. The rigorous scientific manner is worth studying. According to your kind reminding, we have added ethical approval details in manuscript. The added part has been marked in red in manuscript (See line 29 in page 4).

2. Include details about the culture medium used to culture MSCs.

Response:

We are very sorry for our carelessness. Thank you very much for your kind reminding. The rigorous scientific manner is worth studying. According to your kind reminding, we have added the details about the culture medium used to culture MSCs. The added part has been marked in red in manuscript (see lines 2-5 in page 5).