

Reviewer's Comments

Reviewer

1. Author report no specific markers for stem cells, however stem cells from different sources are well characterized and their markers are identified and accepted throughout the scientific community. Umbilical cord stem cells uses are only focused on the immunological disorder, though these cells are widely used in stem cells therapy.

Response: Thank you for these valuable comment. We have made according changes in the manuscript.

2. Mesenchymal stem cells were reviewed under one heading, however MSCs have multiple sources like bone marrow, adipose tissue, and umbilical cord tissue, etc. All of these sources are reported for clinical use, authors should summarize the studies in a table.

Response: Thank you for these valuable comment. We have summarized the different sources of MSC and clinical use in Table 1.

3. HSCs and EPC were discussed which have no relevance with the aim of the present study. Authors should develop a link of these cells with CP.

Response: Again, thank you for this suggestion. Since these two cells have a lesser relevance, we have reduced this paragraph to the key messages.

4. <https://clinicaltrials.gov>, register the clinical trials, it will be better if author include the data from this database in the current manuscript. Only 5 studies were included in the final analysis, which is very low number.

Response: We agree with the reviewer that 5 studies are a low number. We have stated that the current availability of quality research in this field is poor and therefore we see the low number of included trials as a limitation to our results. We have added the link to clinicaltrials.gov to refer to the ongoing trials.

5. Author must report the minimum dose of stem cells transplantation in literature. Specially, the minimum effective dose of cells.

Response: Thank you for these valuable comment. At the end of discussion section, we reported the minimum effective dose of 2×10^7 TNC.

Dear Editors.

Thank you for pointing out this overseen. Indeed, we have adopted a figure, which was published previously and referenced it. We have not asked for permission.

We have discussed this issue and given that the figure does not add substantial value to the manuscript, we have decided to remove it.

Thank you again for these important comments, which have improved our manuscript substantially.

Best regards

Martin Mueller