

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 27631

Title: Mesenchymal stem cell therapy in retinal and optic nerve diseases: an update of clinical trials

COMMENTS TO AUTHORS

This manuscript entitled “Mesenchymal stem cell therapy in retinal and optic nerve diseases: an update of clinical trials” was to review using mesenchymal stem cell (MSCs) therapy in patients with neurodegenerative pathologies of optic nerve and retina. The authors found that most of the clinical trials using MSCs are in I/II phase, recruiting patientd or ongoing, and they have as main objective the safety assessment of MSCs using various routes of administration. However, it is important to recognize that, there is still a long way to go to reach clinical trials phase III/IV. Hence, it is necessary to continue preclinical and clinical studies to improve this new therapeutic tool. This is an interesting and well written manuscript, worth to be published, no any comment or question.

Dear Reviewer:

Thanks you very much for your comments and your evaluation.

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This paper has reviewed all human clinical trials of using MSCs for retinal and optic nerve diseases. There are more than twenty clinical trials that use MSCs to treat retinal dystrophies, diabetic retinopathy, glaucoma, optic nerve atrophy and age-related macular degeneration. Although most of the clinical trials are in I/II phase, and there is still a long way to go to reach clinical trials phase III-IV. It might be opportunity to perform the translation of treatment approach to the clinical practice. So, it is a good manuscript to be published.

Dear Reviewer:

Thank you very much for your comments and your classification. We have revised and improved whole manuscript in reference to language.



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I consider this manuscript to be valuable summary of MSCs therapies in the filed of ophthalmology. I commend it for publication without changes

Dear reviewer:

Thanks you very much for your comments and commend our manuscript for publication.

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COMMENTS TO AUTHORS

Dear authors, This manuscript is very good and well reviewed about the clinical trials using mesenchymal stem cells to treat retinal and optic nerve diseases. We need this kind of manuscript to assess the current situation of the stem cell study. In doing so, clinical trials phase III-IV could be under way. I recommend this article to be published with priority.

Dear reviewer:

It is a pleasure to know that you recommend our article to be published with priority.

Thanks you very much.