

Dear Editors,

Thank you very much for your email of August 28, 2019, and for the invitation to re-submit after small revision our manuscript No.49334 which we submitted to the World Journal of Stem Cells.

We duly considered all comments and suggestions provided by the reviewers and Editors, and we made the appropriate corrections and amendements. We appreciated all suggestions of the reviewers, and we believe that they contributed to the improvement of the manuscript. All changes we have made in the manuscript are in red color. A list of our responses to the comments of the reviewers is below.

To the comments in the original manuscript:

We appreciated all corrections and comments made in the text. We introduced them into the revised manuscript.

- The comment n1 suggested that the paragraph about the safety of MSC treatment is not necessary. Therefore we removed this paragraph (and two references) and replaced it with a paragraph (pp. 5-6) about interaction between retina cells with neurons of optic nerve and possible role of MSC in optic nerve injuries (this information was required by the reviewer 1)..
- The comment n6: We intended to say that both retinal explants and supernatants obtained after cultivation of the retinal explants, inhibit the production of proinflammatory cytokines by activated spleen cells. It means that molecules produced by retinal explants into culture medium possess immunosuppressive properties.
- Comment n7 – it means that the cytokines produced by retinal cells act in paracrine way, ie. in the vicinity of the retina.
- Other comments are mostly misprintings or grammatical errors, they are corrected in the revised text.

To the comment of the reviewer 1: The reviewer suggested to provide information about interaction between retina cells with neurons of optic nerve and possible role of MSC in optic nerve injuries. We added such information on page 6 in the revised manuscript and we added two new references.

To the comment of reviewer 2: We united the font through whole manuscript. We thank reviewer for this comment and we appologize for our mistake.

There were no negative comments by the reviewer 3.

We believe that we were able to respond to all the comments and suggestions and that we amended the manuscript according to the recommendations. We hope that the manuscript is now acceptable for publication in the World Journal of Stem Cells.

We are looking forward to next hearing from you.

Sincerely yours,

Vladimir Holan