

Response to reviewers

Reviewer #1: I think that this review is very interesting, in fact I think it describes the knowledge published so far on MSC-EVs applications in eye disease very thoroughly. I think the characteristics of MSC-EVs are well described in the paragraph dedicated to their characterization, indeed they describe very well the different sources, the differences in size, their cargos, the biogenesis and their roles. They describe MSC-EVs applications in various eye diseases, corneal defects, uveitis, glaucoma, idiopathic macular hole, retinal diseases or injuries and diabetic retinopathy. They also describe the possible applications of MSC-EVs as drug delivery system in ophthalmology, a very novel and interesting topic. In the chapter dedicated to corneal defects, they mention the epithelium and the stromal defects but they don't mention the endothelial layer which is the one that is most commonly damaged during cataract surgery, It would be interesting to add something about it.

- Thank you for your suggestion. We added some content about MSC application in endothelial defect in the section "Corneal diseases" as suggested. We also revised some words and sentences in the core tip.

Reviewer #2: This is good quality review article on the specific topic, It will provide unique information on stem cells derived ECV role in eye regeneration research.

-Thank you for your comments and recognition.