

Dear Editor

The authors are grateful to editor and reviewer for their valuable comments.

We have addressed the reviewer comments and inserted the answers below.

We are thankful for the contribution to upgrade the manuscript and hope the new versión reads improved and more infromative compared to the previous form.

Reviwer #1

The manuscript is already high quality and can be accepted

We thank the reviwer for the comments, we tried to improve the manscript t oread better and more informative.

Reviwer #2

The manuscript aimed at Mesenchymal stromal cells (MSCs) hold great promise for tissue regeneration in debilitating disorders. This Editorial focus on the The paper by Abu-El-Rub E et al, which about regulate stress microenvironments to improve cell survival. 1.Further checking of manuscript, such as font and spacing 2."The multifaceted aspects of the challenges point towards the necessity of approaching them by means of a holistic view where large data, computational disease modelling and perhaps the use of artificial intelligence could offer some valuable insights." can be more detailed. 3.This mauscript should pay more attention on how stress microenvironments make effect on Mscs cell survival.

We thank the reviewer and do hope it was our manuscript in focus (manuscript we submitted is titled Understanding the host-graft crosstalk for predicting outcomes of stem cell transplantation.

The manuscript was intended as a commentary, specifically on the paper of Abu-El-Rub E et Human mesenchymal stem cells exhibit altered mitochondrial dynamics and poor survival in high glucose microenvironment. World J Stem Cells 2023; 15(12): 1093-1103. Since a commentary paper is usually 1000-1400 words, we kept the notions inserted in the manuscript very concise. Upon the reviewer inquiry we have introduced several development on the phrase indicated by the reviewer regarding the use of artificial intelligence as well as on possible effect of microenvironment on MSC survival and immune modulation by MSCs (highlighted in yellow in the resubmitted manuscript).

Authors want to stress out they are extremely aware these are vast topics, both of them worth a book chapter length description, however detailing the matters was not our purpose but to offer a bird view regarding respective issues and possibilities.