

#### Reviewer 1

The manuscript thoroughly reviewed current literature on UCB-derived MSC characteristics, mechanisms of action, new culture conditions, and concerns regarding safety and mass production issues, yielding a general picture about the therapeutic prospect of UCB-derived MSC. It is a good summary of current studies and is of high quality.

Response: Thank you very much for your thorough review. We have included the original figure files, as recommended by editors. Also, we changed the manuscript with appropriate format. Thank you again for giving us insightful comments.