Peer Review File
Article information: https://dx.doi.org/10.21037/tau-22-682

Review Comments

Reviewer A

We agree with the reviewer that his is not a comprehensive review of cellular regenerative therapy in stress urinary incontinence. It was not intended to be, since we focused on some new frontiers which we found promising. Therefore, we did not include treatments with different types of stem cells i.e., adipose (ADSC), muscle derived (MDSC) stem cells, etc for which several comprehensive reviews are available.

1 - Shockwave therapy has been deployed in the heart and other organs as an unsuccessful therapeutic strategy for regeneration a bit less focus on this and inclusion of other more novel technologies would be worth while.

Response. We agree that shockwave therapy has been an unsuccessful therapeutic strategy for regeneration in some organs. On the other hand, there are several reports demonstrating that such therapy has been successful in, e.g., the penis and the treatment of erectile dysfunction which makes this therapy a potential new strtegy.

2 - There is a huge emphasis on MSC in the manuscript but after 20 years of investigation, no single therapeutic measure has been approved with MSC, this should be discussed.

Response. We agree that MSC therapy has a long history, but in the present manuscript, emphasis has not been given to MSC as whole cell therapy, but to the factors secreted by the MSCs and their potential.

3 - The chemotactic signals highlighted are very nicely done.

Response. Thank you!

4 - Would modify the paracrine section to include recent publications using exosome-based regeneration for SUI.

Response. Some new publications have been included and commented on. (p8, lines 4-24)

5 - Would include a section of myoblast-based approaches as these are the most clinically advanced.

Response. We do not think that myoblast-based approaches represent a new frontier and would prefer not to include such a section.

Reviewer B

This is a comprehensive and updated review.

The authors have searched recently published literature regarding the mechanism and clinical efficacy of stem cell therapy on female stress urinary incontinence.

This review can enrich our knowledge of stem cell therapy in functional urology.

Response. Thank you for the comment.