

**Name of Journal: World Journal of Cardiology**

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### **Response to Reviewers**

First of all, I appreciate all reviewers' favorable comments. Based on reviewer's comments, I made changes as follow. My response to reviewers and changes are highlighted. I hope the revised manuscript will be suitable for the publication.

#### **Reviewer 01213026**

“On page 1 when you state (line 3) on neurohormonal activation - please, spell out what do you exactly mean by that? “

Thank you for the suggestion. For better understanding the concept of neurohormonal activation, I added examples and stated as follow (page 4/line 4-5). “neurohormonal activation (eg, renin-angiotensin-aldosterone system, sympathetic nervous system, and arginine vasopressin)”

On page 3, line 5 from the bottom. To what benefits are you referring to stating "18% improvement in function at post treatment?"

Since this sentence does not support the conclusion of the study (“18% improvement” means an improvement within treated animals) and is confusing, I excluded this sentence.

Also, the tables summing up the effects of trials with MSC/s or CDC/s would be desirable.

I agree with reviewer's opinion. I added the summary of clinical trial in Table 1.

#### **Reviewer 02446043**

“For the article to be interesting and meaningful for the clinician, authors should i)summarize in table form the results of clinical trials of each of the 3 cell types (mesenchymal stem cell, cardiosphere-derived cell and cardiac stem cell) in heart failure. ii) Summarize in table form the practical therapeutic problems faced presently and the possible manner of overcoming them.”

Thank you for the suggestion. I totally agree with reviewer's comment. In the revised manuscript I added the summary of clinical trial in Table 1 and the summary of future directions in Table 2.

#### **Reviewer 02446027**

“the manuscript has some typo error e.g. Reference # 38 has typo: “iwth” and should change to with. Some more of these examples can be found throughout the manuscript. The authors should go over the entire manuscript for this correction”

I apologize for typo errors. I have corrected all errors in the manuscript.