

Thank the reviewers for these precious comments and suggestions. All comments were responded point by point, and all modifications have been made and highlight it in the article.

1. This manuscript described the possible toxic effects of NP on SSCs. Using in vitro culture model system is good for explain the reason of toxicity of NP. It is reasonable results. However, there is some parts in introduction should be polished.

A: Modified as advised.

2. This is a well-written manuscript on a not well-know and interesting topic.□□The abstract summarize and reflect the work and the background clearly report the present status of research in this field and and the significance of the study. The methods are appropriate and results give a contribution to research progress in this field□□I would suggest only minor revisions.□Please revise the discussion in order highlight more concisely the key points . Moreover authors should try to put more emphasis on the potential relevance of their findings to clinical setting. Please revise "non-treated" with untreated□Please add a bar to understand the magnification in figure 1A□Please increase the dimension of the text on the axis of most figures

A: We have modified the figures and added some discussion.