Dear Reviewer:

Thank you very much for your comments and professional advice. These opinions help to improve academic rigor of our article. Based on your suggestion and request, we have made corrected modifications on the revised manuscript. Meanwhile, the manuscript had been reviewed and edited by language services of Textcheck. We hope that our work can be improved again. Furthermore, we would like to show the details as follows:

**Reviewer 1#**

1. Kindly standardize the usage of English (US) or English (UK). This can be easily checked using the Microsoft Word spelling tool. For example: remodeling, signaling, summarise, orthopaedic, etc.

2. Kindly provide the full name in the first appearance before providing the abbreviations in the manuscript, even in the abstract. For example: Knee Osteoarthritis (KOA), Exosomes (Exos)

**The author’s answer:**

1. In order to maintain consistency in the manuscript, we have standardized the English usage throughout. We used the Microsoft Word spelling tool to ensure adherence to English (US) conventions, and we have obtained relevant English editorial certificates.

2. We have revised the manuscript to provide full names at the first mention before using abbreviations. This change has been implemented in both the main text and the abstract.

**Reviewer 2#**

The manuscript is interesting. I would like to ameliorate the english language. The language needs further polishing.

**The author’s answer:** We have taken your suggestion to heart and have thoroughly polished the language to improve clarity and readability. A professional English editing service has reviewed and refined the manuscript to ensure the highest quality of language.

Thank you very much for your attention and time. Look forward to hearing from you.
Yours sincerely

Bang-Jian He