

Dear editor:

Enclosed please find the revised manuscript No. 82903 "Effects of different pelvic osteotomies on acetabular morphology in developmental dysplasia of hip". We greatly appreciate the comments and have learned a lot from the reviewers. The critics have been addressed as following.

Reviewer Comments:

Reviewer 1:

1. The manuscript appears to be a review article about pelvic osteotomies in children. However, both the title & abstract do not reflect that, therefore it is unclear to the readers.

**A:** Thank you for your precious suggestion, we modified the title from "Effects of different pelvic osteotomies on acetabular morphology in developmental dysplasia of hip" to "Effects of different pelvic osteotomies on acetabular morphology in developmental dysplasia of hip in children" and modified the abstract to bring a clear sight to the readers.

2. For a review article, the authors did not offer any new knowledge about the topic.

**A:** Thank you for your thought provoking question, the acetabular morphology is a classic topic on pelvic osteotomy, but there lacks the compare between different pelvic osteotomies, we hope that we can catch more attention to the comparison of acetabular morphology between different pelvic osteotomies.

3. At the very least, a good summation of the recent literatures is needed.

**A:** Thank you for your precious advice, we added more recent literatures in the revised manuscript and we added a table to make a good summation.

4. Tables can be used to summarize the literatures with their important findings/outcomes on patients. Figures should be utilized to better describe the different types of osteotomies.

**A:** Thank you for your precious advice, we added more recent literatures in the revised manuscript and we added a table to make a good summation.

5. Under the 'Author contributions'. need to clarify what it means by 'data collection' or 'analysis', because no analysis was presented in the manuscript.

**A:** Sorry for the wrong express in author contributions, we modified that part.

Reviewer 2:

1. Is it necessary to perform MRI examination of the hip joint before pelvic osteotomy for DDH?

**A:** Thank you for your thought provoking question, MRI plays an irreplaceable role in the examination of the hip joint before pelvic osteotomy for DDH, which could illustrate the situation of cartilage and soft tissue around hip joint. But the expensive cost and magnetic reaction to steel K wire restrict the apply in treatment of DDH.

2. There are some surgeon use PAO osteotomy for treatment of DDH, what do you think the

indication for PAO and the difference between PAO and triple pelvic osteotomy?

**A:** Thank you for your thought provoking question, PAO and triple pelvic osteotomy both are excellent pelvic osteotomies in the treatment for hip diseases, both of them belong to the re-directional osteotomies. But the PAO ingeniously change the direction of hip joint by destruct of triradiate cartilage which was reserved for untouched in triple pelvic osteotomy. So PAO is more suitable for the big children whose triradiate cartilage is closed near 8-10 YO. Triple pelvic osteotomy has wider indication for small age children whose triradiate cartilage is still unclosed.

Editor:

1. Before final acceptance, the author(s) must add a table/figure to the manuscript. There are no restrictions on the figures (color, B/W) and tables.

**A:** Thank you for your precious advice, we added a table to make a good summation.

2. Before final acceptance, when revising the manuscript, the author must supplement and improve the highlights of the latest cutting-edge research results, thereby further improving the content of the manuscript.

**A:** Thank you for your precious advice, we made modifications from beginning to end of the whole manuscript and added more recent literatures in the revised manuscript try to improve the highlights of the latest cutting-edge research results as much as possible just as you recommended.

We feel that these changes are more persuasive and strongly support our statement in the manuscript. We hope the reviewers agree with our answers and the new version of this manuscript meets the standard of the prestigious **World Journal of Orthopedics**. Thank you very much for your consideration.

Sincerely yours

Author name been removed