

Answering reviewers

1 SPECIFIC COMMENTS TO AUTHORS

This is an interesting study of the anesthetic effect of dexmedetomidine in elderly patients undergoing hip replacement. The manuscript is well written. The reviewer recommends to accept this manuscript after a minor editing. Thank you.

2 SPECIFIC COMMENTS TO AUTHORS

Dexmedetomidine is a highly selective α_2 receptor agonist, which has a good effect in reducing the body 's stress response and stabilizing the patient 's intraoperative hemodynamics. Therefore, it has a good application prospect in perioperative organ protection. However, the application effect of dexmedetomidine in anesthesia of elderly patients with hip replacement is not completely clear. This study is designed to analyze the anesthetic effect of dexmedetomidine in elderly patients with hip replacement. This study is well performed and the results are very interesting. Minor comments: 1. The manuscript requires a minor editing. Some minor language polishing should be corrected. 2. The abstract should be revised. A short background should be added and the results section in the abstract is too long. Please only keep the key findings in this section. 3. The limit of the study should be discussed. 4. The references list should be edited and updated.

Reply to opinion 1:

1. The full text language has been polished.
2. A brief background of the abstract has been added.
3. The summary results section has been revised.
4. The limitations of the study have been revised and discussed in this paper.
5. References have been revised and updated.

Reply to opinion 2:

1. I have polished and revised the whole article.