Reviewer’s report

Title: Increased Minimum Alveolar Concentration-Awake of Sevoflurane in Women of Breast Surgery with Sleep Disorders

Version: 0 Date: 30 Sep 2019

Reviewer: H Dong

Reviewer's report:

In this study, the authors investigated MACawake of sevoflurane in breast surgical patients with chronic sleep disorders. As the number of sleep patient is increasing, this study is of good clinical importance. The clinical trial was well designed. However, a few concerns need to be addressed.

1. This study was conducted in mid-aged female patients only, thus the conclusion cannot be spread into the whole patient entity. The enrolled patients were of 40-60, many of them may be experiencing menopausal symptoms which comprise of sleep disorders. Therefore, the menopausal condition should be considered in the study.

2. Transient sleep disorders are very common in perioperative period, a number of patients don't sleep well in the hospital. Did the current study analyze the sleep status of the nights before surgery?

3. How was the verb commands administered? What was the content?

4. Orexin decreases dynamically under general anesthesia, and increases after anesthesia. When was the plasma orexin-A tested? Was it a baseline level? Or, was it examined during anesthesia?

5. Logistic regression curve should be graphed for the correlation of awakening concentration of sevoflurane and orexin-A level.

6. In Figure 3, the labels of two groups are missing.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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