

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64432

Title: Analysis of sleep characteristics and clinical outcomes of 139 adult patients with infective endocarditis after surgery

Reviewer's code: 05151620

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Academic Research, Doctor, Lecturer, Senior Research Fellow

Reviewer's Country/Territory: Indonesia

Author's Country/Territory: China

Manuscript submission date: 2021-02-17

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-30 09:11

Reviewer performed review: 2021-03-30 22:22

Review time: 13 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Author did not mention in the manuscript how to deal with another comorbidities in cardiovascular that could influence the sleep disorder or maybe author could add the PSQI or ESS so reader could understand the item in the score.

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 64432

Title: Analysis of sleep characteristics and clinical outcomes of 139 adult patients with infective endocarditis after surgery

Reviewer's code: 00276417

Position: Peer Reviewer

Academic degree: FRACP, MD, MRCP

Professional title: Doctor

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

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Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

I congratulate the authors on completing this observational study of sleep quality of patients with infective endocarditis following cardiac surgery, with follow up data collection at 6 months post-operatively. The study enabled one to grasp the prevalence of these problems in their non-randomised cohort, and to ascertain the risk factors potentially responsible for these observations. Their study, they acknowledge, lacks an important point of the incidence of these abnormalities both pre-operatively and prior to the onset of the infective endocarditis diagnosis. While the latter is understandable, the former is an issue they acknowledge and would be helpful to investigate in future studies. Their manuscript is generally well written though it suffered the occasional errors (cited below). It would be helpful to mention in the introduction that the issue of sleep quality had been investigated in patients after cardiac surgery, and to mention the reason here is that sleep quality in patients undergoing cardiac surgery for IE had not been investigated before, hence this study. (In other words, they need to put this study in context). It is not clear if the consent was waived for the study as the study was retrospective, how could the patient have volunteered for the study if it was retrospective? I have however one major criticism of the analysis which is the definition of significance of difference at $p < 0.10$ twice: a. In page 10-11: (Univariate analysis was performed to identify the risk factors for disturbed sleep quality at 6 months after surgery ($p < 0.10$) in the entire study cohort as well as in Group 2). b. In page 12 final paragraph and in page 13 first paragraph along with tables 4,5,6, and 7. All these need correcting, as I believe the traditional p value for assessing significance is $p < 0.05$. I would strongly advise the authors to alter this and re-assess the data and the results accordingly. In addition, the linguistic minor errors that need correction are as follows: Page 5 of the manuscript, pre-final line, states: PSQI assessed during hospitalisation may

be risked factors for disturbed sleep at 6. It should have been: PSQI assessed during hospitalisation may be risk factors for disturbed sleep at 6. Page 7 of the manuscript, under study population, line 6 states: surgeons, the patients were then transmitted to our ward for further supporting. It should have stated: surgeons, the patients were then transferred to our ward for further supporting