Reviewer’s report

Title: MORBIDITY AND MORTALITY RELATED TO PNEUMONIA AND TRACHEOBRONCHITIS IN ICU AFTER LUNG TRANSPLANTATION

Version: 0 Date: 10 Nov 2017

Reviewer: Ademola Fawibe

Reviewer’s report:

General comments: the article has addressed an important aspect of medicine and it is very relevant in spite of its retrospective nature. It is generally well written but there are few issues that need to be addressed as can be found in my comments below.

1. The method section should start with statement stating unambiguously that it is a retrospective study and also specify the exact period covered by the review (months and years eg. September 2006-April 2012)

2. The fact that respiratory colonization samples were taken more than 6 months prior to transplantation might have impacted on the results and so this should be mentioned in the limitations

3. Page 9 paragraph 1lines 10-12 under results: 2nd and 3rd sentences should be reframed in order to make it clearer to the readers eg Overall, 161 (92%) patients were mechanically ventilated of which 64% had BRI.

4. Refs: there should be uniformity eg where there are more that 6 authors then the 1st 6 should be listed followed by et al as against the haphazard way the authors listed some 6 and et al while some are more than 6 and then followed by et al.

5. Tables and Figures:
   a. Table 1 page 22: the authors need to look closely and make necessary corrections. For example, under underlying diseases, a total of 70 patients were said to have had Emphysema/COPD but 5 without BRI and 64 with BRI. Where is the remaining 1 patient? Further analysis of this same group of patients showed that 14 patients had pneumonia and 51 had tracheobrochitis only making 65 patients which is higher than the 64 patients reported to have had BRI. Similarly for IPF, a total of 66 patients: 7 without BRI and 58 with BRI making 65 patients leaving 1 patient unaccounted for. However, 9 were said to have had pneumonia and 50 with tracheobrochitis only making 59 patients with remaining unaccounted for. Similar irregularities also affect the others group as well as single lung transplantation.
b. Authors should indicate significant p values with a sign eg asterisk and interpret it in legend below the Tables. Also abbreviations should be interpreted in legends because the readers should be able to interpret Tables and Figures without referring back to the main article.

c. Table 5 should be properly titled not just outcome!

**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.

No

**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

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

**Declaration of competing interests**
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?
4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal