Reviewer’s report

Title: Clinical and genetic risk factors for new-onset diabetes mellitus after transplantation (NODAT) in major transplant centres in Malaysia

Version: 0 Date: 17 Jun 2020

Reviewer's report:

This is an interesting study done in a unique population of renal transplant recipients. I have the following comments:

1. There are grammatical errors throughout the text that need to be corrected. Please review and make the changes.
2. One-way ANOVA and Kruskal Wallis tests are done when the comparisons are between 3 or more groups if the data is normally distributed or non-parametric respectively. Please revise the methods.
3. On page 7, line 160, it is stated that 113 underwent transplant in Malaysia and 54 outside of the country; this number does not add up to 168. Please review.
4. In the patient characteristic section on page 7, it would be better if both the n and % of the patients in the various groups are included. e.g. cadaveric graft (76, %)
5. Please comment on the association between a longer duration of dialysis pre-transplant and a lower risk of NODAT.
6. On page 9, discussion section, lines 220-222. The sentence as written is confusing. Please rewrite.
7. The hazards of the average daily dose of cyclosporine and developing NODAT is very modest. I do not believe that the association can be stated as strong (even though it is statistically significant).
8. Table 1: The % sign is not used consistently and may therefore be confusing to the reader. Please consider removing % sign or added to all variables.

Please confirm that you have included your review in the ‘Comments to Author’ box?

As a minimum standard, please include a few sentences that outline what you think are the authors’ hypothesis/objectives, their main results, and the conclusions drawn. Your report should constructively instruct authors on how they can strengthen their paper to the point where it may be acceptable for publication, or provide detailed reasons as to why the manuscript does not fulfill our criteria for consideration. Please supply appropriate evidence using examples from the manuscript to substantiate your comments. Please break your comments into two bulleted or numbered sections: major and minor comments.

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- Are the statistical test(s) used in this study appropriate and well described?

- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?

- Are the description of any error bars and probability values appropriate?

- Are all error bars defined in the corresponding figure legends?

- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

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