Reviewer’s report

Title: Prevalence and Correlates of Cognitive Impairment in Kidney Transplant Recipients

Version: 0 Date: 24 Jan 2017

Reviewer: Marilena Gregorini

Reviewer’s report:

Overall comments to the Authors:

Gupta et al. described the prevalence of cognitive impairment in a cohort of kidney transplant recipients using the MoCA test. In addition they evaluated the factors associated with cognitive impairment by a multivariable linear regression analysis.

Although the paper has some limitations depending on study design, the topic is interesting and little investigated.

Comments and observations that the authors may wish to consider:

1. ABSTRACT, line 17: Assessment of cognitive function

I'd suggest to use cognition or cognitive functioning, or cognitive domains. Please choose the expression and correct the entire manuscript. Consider that MoCA assesses several cognitive domains and it is a useful cognitive screening tool for several diseases.

ABSTRACT, line 51: level of GFR.

I'd suggest to write the meaning of the acronym before using it (Estimated GFR).

2. BACKGROUND

I would find it helpful if the Author examined better the literature on the relationship between cognitive functioning and kidney transplant. There is some interesting papers that the Authors could be report:


- Tiffin-Richards FE et al. Plosone 2014. DOI: http://dx.doi.org/10.1371/journal.pone.0106700

Line 11-12:

Please move the numbers before the point. Correct the manuscript.
3. METHODS

The presence of confounders like depression is not elicited, QI index and its association with the cognitive impairment was not studied.

There are no information regarding the patients' compliance and the adherence to the immunosuppressive therapy (for example through the evaluation of the hematic levels of the drug).

4. DISCUSSION

I think that discussion needs to be more focused on covariates of cognitive impairment of this study and on possible explanations of the prevalence of cognitive impairment in transplant recipients. I believe that this part is not adequately elaborated

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

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

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

Acceptable

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