Reviewer's report

Title: Risk Factors of Post Renal Transplant Anaemia among Sudanese patients, a study in three renal transplant centres

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Reviewer: Miklos Zsolt Z Molnar

Reviewer's report:

The aim of Banaga et al. was to investigate the prevalence and the risk factors of post-transplant anaemia (PTA) among adult Sudanese kidney recipients. The aim was clearly stated; however no hypothesis was defined in this study. The authors reported that the prevalence of late PTA in Sudanese kidney transplant recipients was 42%. This result is very similar to European, US and other data. In summary, this paper deals with an interesting and clinically important question. However, the results of this study are important and the applied method is adequate. The strengthen and novelty of this paper is to use only living donor and this is the first report from Africa. Some major and minor issues must be corrected before considered for publication.

Major Compulsory Revisions
1. Why do the authors not analyze the continuous hemoglobin as an outcome variable? I would see linear regression analysis to define the predictors of hemoglobin.
2. The major weakness of this study is there are lot of important co-variables are missing. Do they have data about serum albumin, co-morbidity, presence or absence of diabetes etc.? I am not sure without these data the conclusions are valid.
3. How do the authors build up the multivariate model? Only 3 variables included, why these variables included? It does not make sense to adjust both serum creatinine and blood urea. I am assuming there is collinearity between these variables. Why do not adjust for age, gender, rejection, recent infection etc.? I suggest creating the multivariate model based on theoretical consideration.
4. I do not agree using serum creatinine and blood urea to assess residual graft function. Please use estimated GFR instead.
5. Moreover, I am not sure to include patients with recent infection is a good idea. Please recalculate the prevalence after excluding these patients.

Minor Essential Revisions
1. Please emphasize this is the prevalence of late (>1 post-transplant year) post-transplant anemia.


3. Please add limitation paragraph to the discussion.

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.