Reviewer's report

Title: Effect of CYP3A4, CYP3A5 and ABCB1 gene polymorphisms on the clinical efficacy of tacrolimus in the treatment of nephrotic syndrome

Version: 1 Date: 01 Jan 2018

Reviewer: Jiraganya Bhongsatiern

Reviewer's report:
This version is a revised article that studies effect of CYP3A5, CYP3A5, and ABCB1 gene polymorphisms on the clinical efficacy of tacrolimus in 100 Chinese patients with nephrotic syndrome. The article is very much improved and the authors addressed reviewers' comments well, particularly the useful details of different pathological types of nephrotic syndrome and the clinical outcomes of each type. I also appreciated the explanation of the full formula, the additional details of the forward likelihood ratio method, and the corrections made for duplicated information throughout the main context. The article features non-genetic factor of BMI and genetic polymorphisms of ABCB1, ABCB1 C1236T and ABCB1 G2677T/A, as influencing factors of the clinical efficacy of tacrolimus in Chinese patients with nephrotic syndrome. It also reported no significant correlation between CYP3A4 and CYP3A5 genotypes and clinical efficacy of tacrolimus, which is different from some other published articles. These results in this patient cohort are interesting and would contribute to pharmacogenetics/pharmacogenomics of tacrolimus in patients with nephrotic syndrome, specifically in Chinese population. Because of this reason, it is reasonable to accept this revised article for publication with some suggestions to consider as the followings:

1) Background section, line 39-42: Please consider adding references indicating 'the recent years' of using tacrolimus for treating patients with nephrotic syndrome.

2) Background section, line 50-55: Please consider adding references of 'drug genomics studies' or clinical pharmacology study of tacrolimus.

3) Methods section, Evaluation of safety, line 25-26: Misspelling of 'observed'.

4) Results, Characteristics of patients, line 34-35: Please correct the sentence 'Among them, one child was 6 years old and the rest were…'
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.
Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
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I am able to assess the statistics

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