Reviewer's report

Title: Focal Segmental Glomerulosclerosis: Molecular Genetics and Targeted Therapies

Version: 1
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Reviewer: Zhao Cui

Reviewer's report:

This review focused on recent genes discoveries on FSGS, and their utilities on mechanism, diagnosis and treatment of the disease.

My comments are (major revisions):

1. In the part of “is pathogenesis reflected in the histopathology of FSGS”, the authors questioned the true value of FSGS classification, such as Tip, NOS and collapsing, and proposed the term podocytopathy by Barisoni et al. The authors should provide more details on this term and its supporting materials.

2. In the part of “Treatment of FSGS”, the application of recent gene studies on the treatment of FSGS is scarce. The authors should add more studies on this aspect.

3. In the part of “Treatment of secondary FSGS”, appropriate references should be cited in the reviewing.

4. In the part of “treatment of SR FSGS”, the elaborated description on ref. 87 and FSGS-CT should be sharply cut and replaced by summarizations on these clinical trials.

5. In the part of “alternative and novel therapies for FSGS”, there might be some utility or underling mechanism of genes discoveries on the treatment of FSGS. The authors should add more studies on this and clarify the relationship between gene screening and treatment choice.

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.