

Response to Reviewer's and Editor's Comments

We are grateful to the reviewers for the constructive comments. We have made an attempt to revise the paper in accordance with the comments of the reviewers and feel that these revisions have greatly enhanced the quality of the manuscript.

Reviewers' and Editor's Comments

Reviewer #1 and Editor's comments: Up-to-date information and more information are needed about the future therapeutic option.

According to reviewer's and editor's comments, we added more up-to-date information in the section "Future directions and conclusions". The information of genetic engineered microbes is added in the manuscript.

Reviewer#2 comments: animal models studies.

We appreciate the great comments about studies of animal models. We fully agree with your opinion because the advances of studies in animal models in the field of gut microbiota are essential for the development of therapeutic option for IBD. However, in this review, we focused on clinical evidences and advances in the microbiota-based therapy for IBD.

Reviewer#3 comments: A recommendation to change the title.

Thank you for useful comment. According other reviewers' comments, we added more information about microbiota-based therapy including probiotics and genetic engineered microbiota as well as FMT.

Reviewer#4 comments: A information about the synthetic human gut microbiome.

We appreciate the great comment. According to reviewer's comments, we added the information about advancement in the techniques of genetic engineered gut microbiota in the section "Future directions and conclusions". And we added the information considering the review of Minjeong Kang et al.

Reviewer#5 and editor's comments: Other measures to control gut dysbiosis.

Thank you for useful comments. According to reviewer's and editor's comments, we added the clinical evidences about the efficacy of probiotics on IBD.

Reviewer#6:

We appreciate your prompt review of our manuscript.