Answering Reviewers
1 Peer-review report

Reviewer #1:
Scientific Quality: Grade C (Good)
Language Quality: Grade C (A great deal of language polishing)
Conclusion: Major revision
Specific Comments to Authors: The manuscript entitled "Gut-targeted therapies for T2DM: A review" authored by Xu and colleagues reviewed Type 2 diabetes mellitus (T2DM) as a chronic metabolic disorder that is characterized by hyperglycemia and insulin resistance. Authors referred to the current treatments for T2DM include lifestyle modifications, oral antidiabetic agents, and insulin therapy and acknowledged that therapies may carry side effects and fail to achieve optimal glycemic control in some patients. They then discussed gut-targeted therapies, such as probiotics and fecal microbiota transplantation (FMT) that have shown potential for improving glycemic control and insulin sensitivity in T2DM patients. They also showed that NIH Stimulating Peripheral Activity to Relieve Conditions (SPARC) program research initiative was aimed at developing new therapies for a variety of health conditions, including T2DM. Briefly, SPARC program focuses on using electrical stimulation to activate peripheral nerves and organs, in order to regulate glucose levels in the body. Authors then concluded that further research is required to determine the optimal dose, duration, and safety of new therapies. It is essential to shed more light on the molecular mechanisms involved in developing diabetes.

The following studies should be integrated to serve such a purpose: http://dx.doi.org/10.4236/jdm.2011.13006, PMID: 29959408, PMID: 17151320.
　【Answer1】The mentioned references has been added as 29.30.31

The following are important to be fully addressed: What time range of publication did this review article cover, what keywords did the search for literature include, what were the inclusion criteria, how many studies did the search find and how many were primary research vs review articles, of those, how many were selected for evaluation in this study, and finally what criteria were used for selecting the articles that were reviewed (was it the subject of the study, its novelty or both).
　【Answer2】Given the extensive reviews on academic papers focused on T2DM, the novelty of this article lies in the discussion of invention patents related to the gut-based treatment of T2DM, which is the highlight and distinctive feature of this article.

Other comments • Careful proofreading is required. • Abbreviation list should be added. • A conclusion figure should be added to summarize the take-home message of this work.
　【Answer3】Abbreviation list has been added.

2 Editorial Office's comments

1) Science Editor: 1 Conflict of interest statement: Academic Editor has no conflict of interest. 2 Academic misconduct: No academic misconduct was found.

3 Scientific quality: The authors submitted a review of gut-targeted therapies for T2DM. The manuscript is overall qualified.

(1) Advantages and disadvantages: The reviewers have given positive peer-review reports for the manuscript. Classification: Grade C; Language Quality: Grade C. Authors referred to the current treatments for T2DM include lifestyle modifications, oral antidiabetic agents, and insulin therapy and acknowledged that therapies may carry side effects and fail to achieve optimal glycemic control in some patients. The following are important to be fully addressed: What time range of publication did this review article cover, what keywords did the search for literature include, what were the inclusion criteria, how many studies did the search find and how many were primary research vs review articles, of those, how many were selected for evaluation in this study, and finally what criteria were used for selecting the articles that were reviewed (was it the subject of the study, its novelty or both). Other comments: The manuscript needs to be carefully proofread. Attention should be paid to abbreviations.

(2) Main manuscript content: The authors state the purpose of the study clearly, the study design is appropriate and feasible. However, the manuscript still require a further revision according to the detailed comments listed below.

(3) Table(s) and figure(s): There are no Figures, 2 Tables should be improved. Detailed suggestions for each are listed in the specific comments section.

(4) References: A total of 50 references are cited, including 34 published in the last 3 years. The author does not have self-cited references. The reviewer didn't request the authors to cite improper references published by him/herself.

4 Language evaluation: The English-language grammatical presentation needs to be improved to a certain extent. There are many errors in grammar and format, throughout the entire manuscript. Before final acceptance, the authors must provide the English Language Certificate issued by a professional English language editing company. Please visit the following website for the professional English language editing companies we recommend: https://www.wjgnet.com/bpg/gerinfo/240.

5 Specific comments:

(1) Please add the Core tip section. The number of words should be controlled between 50-100 words.

【Answer4】 This part has been added.

(2) Please provide the PubMed numbers and DOI citation numbers to the reference list and list all authors of the references. If there is no PMID or DOI, please provide the website address.

【Answer5】 PMID or DOI or the website address have been added.

(3) Please provide all fund documents.

【Answer6】 All fund documents have been uploaded.

(4) The order of references needs to be cited in order, and the references in the table should be cited after the main text in the order of the main text before the table.

【Answer7】 The sequence of references has been set as they appears.

6 Recommendation: Transfer to other BPG journals (World Journal of Methodology).

2) Company Editor-in-Chief: I recommend the manuscript to be published in the World Journal of Clinical Cases. However, the quality of the English language of the manuscript does not meet the requirements of the journal. Before final acceptance, the author(s) must provide the English Language Certificate issued by a professional English language editing company. Please visit the following website for the professional English language editing companies we recommend: https://www.wjgnet.com/bpg/gerinfo/240.

Before final acceptance, when revising the manuscript, the author must supplement and improve the highlights of the latest cutting-edge research results, thereby further improving the content of the manuscript. To this end, authors are advised to apply a new tool, the Reference Citation Analysis (RCA). RCA is an artificial intelligence technology-based open multidisciplinary citation analysis database. In it, upon obtaining search results from the keywords entered by the author, "Impact Index Per Article" under "Ranked by" should be selected to find the latest highlight articles, which can then be used to further improve an article under preparation/peer-review/revision. Please visit our RCA database for more information at: https://www.referencecitationanalysis.com/.