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Lian-Sheng Ma, Science Editor, Company Editor-in-Chief  
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Ljubljana, May 26th 2021

**Manuscript NO 63187: Psychosocial factors affecting the etiology and management of type 1 diabetes mellitus - a narrative review.**

Dear Professor Lian-Sheng Ma,

We are submitting our revised manuscript entitled "Psychosocial factors affecting the etiology and management of type 1 diabetes mellitus - a narrative review." (Manuscript NO 63187). We have addressed all valuable points raised by the reviewers. Due to the issues on the language quality, the manuscript was further revised and edited by a native speaker. We are including the manuscript with all the changes visible with the *»track changes«* option (pdf Supplementary file), a manuscript with the changes accepted and a *point-by-point response to the editors and reviewers*.

Thank you for re-considering our revised manuscript.

With best wishes,

Maja Drobnič Radobuljac and Anja Turin

## **Responses to the Science editor comments:**

The authors sincerely thank the Science editor for the valuable comments.

### **Science editor:**

*1 Scientific quality: The manuscript describes a minireview of the psychosocial factors affecting the etiology and management of type 1 diabetes mellitus. The topic is within the scope of the WJD. (1) Classification: Grade A and Grade B; (2) Summary of the Peer-Review Report: This is a very well written review article providing a summary of the most important psychosocial factors that influence the etiology and management of T1D in children and adolescents, with an emphasis on stressful life events and stress regulation inside the family dynamic. The questions raised by the reviewers should be answered; (3) Format: There are no tables and no figures; (4) References: A total of 49 references are cited, including 9 references published in the last 3 years; (5) Self-cited references: There are 3 self-cited references. The self-referencing rates should be less than 10%.*

*(1) The "Author Contributions" section is missing. Please provide the author contributions; (2) The authors did not provide the approved grant application form(s). Please upload the approved grant application form(s) or funding agency copy of any approval document(s); and (3) Please add table/figure to this review. 6 Recommendation: Conditional acceptance.*

Comment 1: There are no tables and no figures.

Authors' reply:

A figure summarizing the bidirectional model of psychosocial factors and T1D affecting each other was added (Figure 1: Dynamic multidirectional system of psychosocial factors in T1D.).

Comment 2: A total of 49 references are cited, including 9 references published in the last 3 years. There are 3 self-cited references. The self-referencing rates should be less than 10%.

Authors' reply:

Additional references were added (reference nr. 14, 16, 24, 25, 28, 35, 36-42, 44-49, 54, 55, 57, 60-69, 75-81, 85-87, 90-93). Together there are 93 references, 13 of them are from last three years, 4 references are self-cited references.

Comment 3: The "Author Contributions" section is missing. Please provide the author contributions.

Authors' reply:

Author contributions section was added (corrected manuscript pdf Lines 1415-1439).

Comment 4: Please upload the approved grant application form(s) or funding agency copy of any approval document(s)

Authors' reply:

The publicly funded research program # P3-0343 is composed of several research projects, including the project of which part is the current manuscript. Limited information is available at [www.arrs.si](http://www.arrs.si). We are unfortunately not in possession of "the approved grant application form", since our research agency does not provide any. However, all the information on the Grant #P3-0343 and the cooperating researchers is available at the public government site at the following link:

[https://www.sicris.si/public/jqm/prg.aspx?lang=eng&opdescr=search&opt=2&subopt=702&code1=cmn&code2=auto&psize=1&hits=1&page=1&count=&search\\_term=radobuljac&id=10411&slng=&order\\_by=](https://www.sicris.si/public/jqm/prg.aspx?lang=eng&opdescr=search&opt=2&subopt=702&code1=cmn&code2=auto&psize=1&hits=1&page=1&count=&search_term=radobuljac&id=10411&slng=&order_by=)

We are also adding the pdf prints of these pages.

#### **Responses to the Company editor-in-chief comments:**

The authors sincerely thank the Company editor-in-chief for the valuable comments.

#### ***Company editor-in-chief:***

*I have reviewed the Peer-Review Report, the full text of the manuscript, and the relevant ethics documents, all of which have met the basic publishing requirements of the World Journal of Diabetes, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. Before final acceptance, the author(s) must add a table/figure to the manuscript.*

Comment 1: Before final acceptance, the author(s) must add a table/figure to the manuscript.

Authors' reply:

A figure summarizing the bidirectional model of psychosocial factors and T1D affecting each other was added (Figure 1: Dynamic multidirectional system of psychosocial factors in T1D.).

#### **Responses to the Reviewer 1 comments:**

The authors sincerely thank Reviewer 1 for the valuable comments.

#### **Reviewer 1:**

*This article discussed the influence of psychosocial factors in the etiology and management of type 1 diabetes mellitus and summarized a dynamic bidirectional system between them. This topic is very interesting. We have some comments that we hope the author can consider and further improve the manuscript: #1. The article incorporates some scarce researches and puts forward opinions based on these. The author should disclose his literature search strategy, I think, to ensure that his opinions are comprehensive and unbiased. On this point, I hope the author can seriously consider it. #2. On my standing opinion, the three subsections of "Family functioning", "The role of development" and "Mental health problems" are part of an in-depth discussion of the dynamic bidirectional system between psychosocial factors and T1DM. Can you consider starting another section? #3. Keywords and subsection titles can be optimized to make the overall article more structured.*

Comment 1: The article incorporates some scarce researches and puts forward opinions based on these. The author should disclose his literature search strategy, I think, to ensure that his opinions are comprehensive and unbiased.

Authors' reply:

The Authors thank the reviewer for this comment. We repeated the search and subsequently added multiple new references, which, by the authors' opinion, contributed to the quality and objectivity of the manuscript. The following references were added: nr. 14, 16, 24, 25, 28, 35, 36-42, 44-49, 54, 55, 57, 60-69, 75-81, 85-87, 90-93). The literature search strategy was disclosed (corrected manuscript Lines 95-106). The manuscript sections were added through the manuscript – see the pdf Manuscript file with tracked changes.

Comment 2: On my standing opinion, the three subsections of "Family functioning", "The role of development" and "Mental health problems" are part of an in-depth discussion of the dynamic bidirectional system between psychosocial factors and T1DM. Can you consider starting another section?

Authors' reply:

The authors thank the reviewer for this valuable comment. We have added an additional section (corrected manuscript Lines 1087-1388), which, we believe, further improved the manuscript. Also changes relating to this comment were made to other sections of the manuscript: Core tip, Lines 47-53; Conclusion, Lines 1403-7, Figure 1 was added.

Comment 3: Keywords and subsection titles can be optimized to make the overall article more structured.

Authors' reply: The subsections were corrected according to the changes made in the manuscript. We weren't completely sure whether we understood how to change the keywords. We will gladly correct them according to the reviewers further comments.

**Reviewer #2:**

*Very well written review article providing a summary of the most important psychosocial factors that influence the etiology and management of T1D in children and adolescents, with an emphasis on stressful life events and stress regulation inside the family dynamic.*

Authors' reply:

The authors thank the reviewer for this very kind comment.