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PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 71982

Title: Maternal low protein diet and fetal programming of lean type 2 diabetes

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03460306
Position: Peer Reviewer
Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: United States

Manuscript submission date: 2021-09-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-05 05:56

Reviewer performed review: 2021-10-05 08:34

Review time: 2 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer	Peer-Review: [Y] Anonymous [ ] Onymous

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statements	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is a review article regarding maternal low protein diet and fetal programing of lean T2D. Overall, the topic is timely and the manuscript was written well. There are some comments. 1. Beta cell failure is critical to develop diabetes. Lower beta cell mass in subjects with low birth weight has been reported recently (Sasaki et al. Diabetologia, 63:1199-1210, 2020). The authors may cite and discuss this paper. 2. Ethnicity, especially Asians, appears to strongly associate with lean T2D. Ethnic difference in the pathogenesis of lean T2D should be discussed in the manuscript. 3. The authors stated that vegan diet is associated with higher risk of T2D in offspring. Is there any evidence for this statement?

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Reviewer's code: 05573855
Position: Editorial Board
Academic degree: MD, PharmD, PhD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: United States

Manuscript submission date: 2021-09-28

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-10-19 00:49

Reviewer performed review: 2021-10-25 11:07

Review time: 6 Days and 10 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
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SPECIFIC COMMENTS TO AUTHORS

This is an interesting review paper, which really gives a great overview on feedbacks between the maternal low protein diet and the lean type 2 diabetes. However, these references are not comprehensive enough for such a sweeping statement. The authors need to add the research progress related to the relationship between intestinal microflora and maternal low-protein diet and lean type 2 diabetes.