

October 25, 2012



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 13582-edited Review.doc).

**Title:** Some of the molecular aspects of the effects of the maternal diabetes on developing rat hippocampus

**Author:** Javad Hami, Fatemeh Shojae, Saeed Vafae-Nezhad, Nasim Lotfi, Hamed Kheradmand, Hossein Haghir.

**Name of Journal:** *World Journal of Diabetes*

**ESPS Manuscript NO:** 13582

**The manuscript has been improved according to the suggestions of editor and reviewers:**

- 1 Manuscript format has been updated.
- 2 postal codes were added to the affiliations of authors.
- 3 Title of manuscript changed according to the suggestion of reviewer.

**2 Revision has been made according to the suggestions of the reviewers:**

- (1) Abbreviations list was added.
- (2) The words that appear in uppercase changed to lowercase.
- (3) The word "hippocampi" changed by the singular "hippocampus" through manuscript.
- (4) In abstract: the phrase 'Recently, our research team has.....' wrote in impersonal fashion, and laterality differences in hippocampus development were deleted.
- (5) Introduction: T1DM and T2DM abbreviations were defined in the first paragraph.
- (6) The second paragraph in Introduction completely revised and some references were included.
- (7) Section "3. Pathogenesis of Common Complications in Diabetic Infants" was changed according to the suggestions of reviewer.
- (8) Section "5. Diabetic pregnancy and neurodevelopmental aberrations in animals" was revised and some notes were clarified to make them more descriptive.
- (9) In Section "6.1. Hyperinsulinemia, hypoxia and iron deficiency" phrase 'human fetuses born'

changed by 'human infants born'.

(10) In Section "6.2. Diabetes in pregnancy as a proinflammatory milieu" phrase 'Cytokines also reduced the survival of DA and 5-HT neurons' changed by 'Cytokines also reduced the survival of dopaminergic and serotonergic neurons'.

(11) In Section "6.3. Diabetes in pregnancy and oxidative stress" the sentence 'samples taken from the cord blood of these mothers' infants indicate that this milieu is also shared with the fetus' was improved.

(12) In conclusion: the sentence 'As the research into genetic predisposition for the teratogenic effects of maternal diabetes-induced malformations by starts to reveal new genes and gene products involved in the etiology of the CNS structure and function observed in offspring born to diabetic mothers' was improved.

(13) Sections 5; 6; 6.1; 6.2; 6.3 were entirely revised according to reviewer suggestions.

(14) The number of references were reduced.

3 References and typesetting were corrected according to editor suggestions.

Thank you again for publishing our manuscript in the *World Journal of Diabetes* and for allowing submission of a revised version.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'J. Hami', with a stylized flourish extending from the end.

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