

February 3, 2014

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 7744-review.doc).

Title: Diabetes and cancer: associations, mechanisms, and implications for medical practice

Authors: Chun-Xiao Xu, Hong-Hong Zhu, Yi-Min Zhu

Name of Journal: *World Journal of Diabetes*

ESPS Manuscript NO: 7744

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

1. Format has been updated

2. Revision has been made according to the suggestions from the reviewers

(1) Abstract, line 2: "diabeteic" has been corrected to "diabetic".

(2) "Core tip" has been modified and "to be mainly relate" has been removed.

(3) Page 4: in the statement of "By phosphorylation of adaptor proteins, two major pathways are activated: 1. Phosphoinositide 3-kinase (PI3K)/protein kinase B (Akt)/mammalian target of rapamycin (mTOR), PI3K/Akt/forkhead box O (FoxO), and Ras/MAPK/extracellular signal-related kinase 1/2 (ERK-1/2) pathways are activated" and "ARE ACTIVATED" is redundant. We have revised the statement to "By phosphorylation of adaptor proteins, two major pathways are **involved**: 1) the phosphoinositide 3-kinase (PI3K)/protein kinase B (Akt)/mammalian target of rapamycin (mTOR), PI3K/Akt/forkhead box O (FoxO), and Ras/MAPK/extracellular signal-related kinase 1/2 (ERK-1/2) pathways which play important roles in cancer cell growth and carcinogenesis^[22, 23] are activated" (Line 21, Page 4).

(4) Page 4: "glycogen synthase kinase 3b" has been revised to "glycogen synthase kinase 3 β (GSK3 β)" (Line 25, Page 4).

(5) Page 4: "cancer stemn cells" has been revised to "cancer stem cells" (Line 27, Page 4).

(6) Page 5: "However, vivo studies showed T1DM, which is characterized by hyperglycemia, reduces the tumor growth" has been corrected as "However,

in vivo studies showed that T1DM, which is characterized by hyperglycemia, reduces the tumor growth" (Line 6, Page 5) according to your suggestion.

(7)Page 5, line 16: "increaseing" has been revised to "increasing".

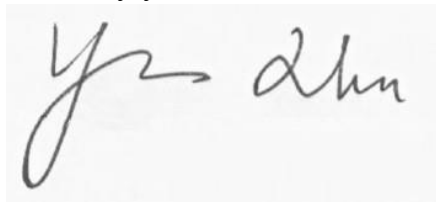
(8)The redundancy has been deleted. Please see the revised sentences (Abstract, Lines 7-18).

(9) The format for review of World Journal of Diabetes requires an abstract and a core tip. Therefore, the core tip was not removed but revised in the wording to make it more readable.

3. References and typesetting have been updated.

Thank you again for the comments and publishing our manuscript in the World Journal of Diabetes.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Yi-Min Zhu', is shown on a light gray background.

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