



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_10138
Title of the Manuscript:	Oxidative DNA damage in gestational diabetes mellitus: Correlation with antioxidants in an Iraqi cohort
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<u>Compulsory</u> REVISION comments	8-Hydroxy-2-Deoxyguanosine is a good marker for oxidative stress but it lacks the sensitivity , so how can I depend on this parameter to prevent the negative outcomes of gestational diabetes mellitus ? It increase in any disease associated with oxidative stress not only diabetes .	We thank the reviewer for his/her valuable suggestion. Please note that: 1- 8OHdG has been measured with other markers of oxidative stress/antioxidants to have a clear picture about the overall oxidative damage/antioxidants level. 2- From our previous data we have concluded that 8OHdG is among the markers that changes within a short period of time in response to changes in oxidative stress. 3- In our current data, we have excluded participants with previous history of other chronic illness to avoid having conflicting results that might interfere with the current picture. 4- We are currently studying other markers of oxidative stress/antioxidants aiming to have a better idea about the oxidative changes in the body. Our aim is to identify the biochemical marker/s that can be easily and accurately measured, less interfered by other diseases, and change within short



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		period of time in response to change in body oxidative status so it can be used to monitor disease progression and the response to the treatment5- Please check some of our previous publications about the 8OHdG: - Al-Aubaidy, H. & Jelinek, H. (2014). Oxidative Stress and Triglycerides as Predictors of Subclinical Atherosclerosis in Prediabetes. <i>Redox Rep.</i> 19(2): 87-91 - Al-Aubaidy H, Jelinek H. Oxidative DNA damage; antioxidant response in postprandial hyperglycaemia in type 2 diabetes mellitus. <i>Br J Diabetes Vasc Dis.</i> 2011;11:87-91. - Al-Aubaidy HA, Jelinek HF. 8-Hydroxy-2-deoxy-guanosine identifies oxidative DNA damage in a rural prediabetes cohort. <i>Redox Report.</i> 2010;15(4):155-60
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		