

Journal Name:	<u>International Journal of Biochemistry Research & Review</u>
Manuscript Number:	2013_IJBcRR_6380
Title of the Manuscript:	ALCOHOL EXACERBATES DYSLIPIDEMIA IN THE PREFRONTAL CORTEX OF DIABETIC RATS
Type of the Article	Research Paper

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.

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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	Abstract: -units and p values should be written by the numbers. -In lines 16, 17 the results (values) found should be referred to the groups and not generally to “diabetes”. Materials and methods: In the “Biochemical analyses” section the main methodology is not even referred and all the detailed tables copied from the leaflet of the kit concerning the reagent compositions, buffers mixtures and pipetting to the test tubes are useless. Results: -The text should be written in a more detailed form explaining the findings in all the groups with values and units and not like table legends, in order to be understandable.	The levels of ALT and AST are higher in diabetes group compared to the normal control group (67.33+/-0.15 & 59.25+/-0.25 and 135.50±0.50 & 75.50+/-0.50) respectively. The TG levels are higher in diabetes group compared to the normal control group (92.01+/-0.18 versus 72.62+/-0.52) whereas the total cholesterol and HDL levels are found to be lower in the diabetes group compared to normal control group (34.99+/-0.40 & 37.28+/-0.23 and 150.90+/-0.33 & 103.29+/-0.23 respectively). Alcohol intake on the other hand lowered the levels of all parameters significantly at $P=0.05$. The Biochemical analyses section is reproducible, description is clear apart from minor changes which have been effected The style of presenting the results was changed to read like the eg below: Both diabetes and alcohol lowered high density lipoprotein (HDL) and total cholesterol significantly ($P= 0.05$), while triglyceride level was significantly increased by diabetes. Alcohol intake exacerbates the effect of diabetes. (Figure 1) The five tables should remain as they are. But minor editing errors and re- alignments have been effected

	-the five tables depicted could be only one with group names and parameters (TG, Chol,lipoprotein, ALT,AST) and values included. - the names of groups must be kept constant all over the text, tables, and figures and not abbreviated differently. Discussion: generally there are parts were information from studies are written but references are missing. -The first paragraph of discussion doesn't make sense. -the second paragraph (lines 261-269) is referred to a study but its reference is missing. The same for lines 282-284 -Line 275 rephrase "hyperglycerides" - the abbreviation of "SREBP-2" should be explained. A large part of the discussion section , almost a page, (lines 311-327) is exactly copied from another paper (ref 25; Suduki et al, 2010) where <u>their</u> results are represented as yours . ("line 315 "our results.....") References: Referencesshould be updated. The most recent one is 3 years before (only ref 25, 2010). -Reference 26 cannot be found -All the references should be written in the same style.	The first paragraph explains the change in weights of the experimental rats. It has been removed The reference for lines 261-269 is (11), while for lines 282-284 is (17) The term hyperglycerides in line 275 is appropriate and should remain Yes it is true, that portion was taken from Suduki et al., 2010 because the system and the mechanisms discussed in the articlequoted explained our results The references are the most relevant that can be accessed. The recent ref is 11 (year 2012) Ref 26 is in place Noted
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<u>Minor</u> REVISION comments	Grammar mistakes and spaces between the words should be corrected throughout the text.	The article has been reviewed and errors corrected.
<u>Optional/General</u> comments		