



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2013_IJBcRR_7590
Title of the Manuscript:	Comparison of Apo B and TG/HDL ratio with HOMA IR model to predict insulin resistance in patients with metabolic syndrome
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 (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)
<u>Compulsory</u> REVISION comments	Major points 1- The gold standard to determine insulin resistance is glucose clamp which it has not performed in current study, therefore the objective of this project is to evaluate the correlation between the level of triglyceride/high Density Lipoprotein Cholesterol ratio and the homeostasis model assessment of insulin resistance (HOMA-IR) in comparison with the association of apolipoproteins B levels and HOMA-IR, in metabolic syndrome patients. 2- Waist circumference and BMI has been reported a significant predictor of insulin resistance by several articles (Reaven GM.2011; Vasques AC, 2010).I recommend to use waist circumference and BMI as interactive factors in multivariate regression model.	We agree with the reviewer in fact the objective of this was to ,“ evaluate the Triglyceride/High Density Lipoprotein Cholesterol (TG/HDL-C) ratio and Apolipoprotein B (Apo B) levels in metabolic syndrome patients to predict Insulin Resistance and compare them with HOMA IR.” Refer to line no. 6-9 We used BMI and W/H ratio as an interactive factors in multivariate regression model but it was not statistically significant and hence not mentioned in the manuscript.
<u>Minor</u> REVISION comments	Minor points 1- In abstract the number of subjects has printed 110 individuals' whereas in material and method section 120. 2- Line 55: Recent studies have suggested the use of Apo B as a direct marker of atherogenic	The number of subjects are corrected in the manuscript. Apologies for the mistake. Refer to line 73 The supporting references are included. (Line



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	state & IR. Please print the reference. 3- In the material and method section: Please introduce the kits the manufactures the country etc. 4- There are some grammatical error	no. 55) The details about the kits are introduced in the material and methods as suggested. Pl. Refer to line no 88-97
<u>Optional/General</u> comments	This research has conducted to compare the level of triglyceride/high Density Lipoprotein Cholesterol ratio in comparison with apolipoproteins B levels to predict insulin resistance in metabolic syndrome patients. The study is sound and the manuscript has written well. Some major and minor points have appended above.	