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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)*
Compulsory REVISION comments **Abstract** **Line 14**- Methodology: 110 Patients **Materials and Methods** **Line 70** - Materials and Methods **Line 73**- 120 subjects **Line 73**- The age group (35 – 65) **Line 74&75**- Group I included healthy controls and Group II included subjects with metabolic syndrome	• **Line 14** – Methodology: In text, they are 120 normal subjects and patients and not 110 patients • **Line 70**- Subjects and Methods • **Line 73**- Correct, (Not 110 as in abstract) but includes patients as well as normal volunteers • **Line 73-** I think selection especially among females should be above 50 years or those who already in menopause, because the risk is about to be equal in both males and females in that age group. Or it is better to restrict subjects and patients to males only with the above age group • **Line 74&75-** Group I included (No.?) healthy control subjects - Mention the No. of each gender. Group II consisted of (No.) patients with metabolic syndrome	

	(Mention the No. of males and females)	
Line 75&76- All the subjects were matched for age, gender and were excluded for chronic diseases of kidney and liver as well as for cancer and diabetes mellitus	• **Line 75&76-** All subjects and patients should be Non-Smokers, Not alcoholics and of about equal nutritional states, Coffee consumption per day should be the same for each, in addition to be free of any chronic diseases especially liver, kidney, diabetes, cancer and/or thyroid disorders.	
Line 79- (WC)	• **Line 79-** Waist Circumference (Should be written before abbreviation)	
Line 82- 85	• **Line 82-85- Techniques:** Precautions in sample collection, storage and performing the analysis should be mentioned.	
Line 92	• **Line 92-** The parameters mentioned in methods did not include Apo B measurement which is the corner stone of the study?????	

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Discussion **Line 140 –** Miller et al **Consent** **Line 167-** from the patients **References**	• **Line 140-** where is that reference in the text (Its No.??? and location in Refs) • **Line 167- Was** obtained from the subjects (normal controls) and patients. • **References** should be unified in all Refs No. 28 – 30, 33 → Name of the Journal. (Year); Volume: Pages: -------	

Minor REVISION comments **Abstract** Result: **Line 20-22: Re-written** Conclusion: **Line 27-** patients with metabolic syndrome may be beneficial at an early stage **Introduction** **Line 49-** is associated with increased in TG levels **Discussion** **Line 114-** Morato et al **Line 116-** Knights et al **Line 132-** but However **Line 136-** can also be made the non fasting state	• **Line 20 – 22:** The regression model between HOMA IR and either TG/HDL-C ratio or Apo B level showed significant positive correlation (r=0.29,p<0.02 and 0.041,p=<0.0009 respectively) • **Line 27-** patients with metabolic syndrome may be predicted at an early stage (NOT beneficial) • **Line 49-** is associated with increased TG levels (NOT in) • **Line 114-** Marotta et al • **Line 116-** Knight et al • **Line 132-** but however (Not However) • **Line 136-** Can also be made during the non-fasting state	

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Optional/General comments	**I think this manuscript is a good one if we fix all the variables that affect the Apo B levels which are multiple.**	

Reviewer Details:

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