



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">International Journal of Biochemistry Research &amp; Review</a>                                                                                     |
| Manuscript Number:       | 2014_IJBcRR_14967                                                                                                                                               |
| Title of the Manuscript: | Role of Insulin, Homeostatic Model Assessment - Insulin Resistance with Lipid Profile Test to Evaluate Cardiovascular Disease Risk in Thyroid Disorder Patients |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <ol style="list-style-type: none"> <li>1. The association between LDL cholesterol and insulin in patients with hypo and hyperthyroidism is of interest. However, the fundamental characteristics of each patient group (age, BMI, other complication) was not described. Thus it is not possible to interpret the association.</li> <li>2. Medication or original disease (Grave's, Hashimoto, or thyroiditis?) was also not described. These information is also necessary to interpret the data.</li> <li>3. The blood sample was obtained at overnight fast? This should be described in Methods.</li> </ol> | <ol style="list-style-type: none"> <li>1. All data regarding social demographic and fundamental and personal behaviour were collected in each individual using standard questionnaire but not included in this paper. However male female percentage and mean age values are included in paper as your suggestion.</li> <li>2. The participants were identified as Hypothyroid and Hyperthyroid and healthy controls relying in serum FT3, FT4 and TSH levels, clinical history and medication. Those individuals with abnormal serum FT3, FT4, TSH and classical symptoms were selected while individuals, taking medication of thyroid disorder, diabetes mellitus, hypertension hyperlipidemia and pregnancy were excluded from the study.</li> <li>3. 12 hrs fasting described in method as suggested</li> </ol> |
| <b><u>Minor</u></b> REVISION comments      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b><u>Optional/General</u></b> comments    | <ol style="list-style-type: none"> <li>1. Overall, the manuscript lacks the basic scientific description. There was no unit for the measurements and no error bars in the figures. P values should also be indicated in the figure.</li> <li>2. There were many typos. The manuscript should be edited by a native English speaker before submission.</li> </ol>                                                                                                                                                                                                                                                | <ol style="list-style-type: none"> <li>1. Corrected as your suggestion</li> <li>2. Manuscript has edited by CELTA Cambridge certified English instructor and all correction were made.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



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|  | <b>Ethical issues:</b><br>IRB permission was not stated in the paper. | The research is carried out accommodating all principles of Helsinki declaration, verbal and written consent was taken to individual subject during sample collection and ethical clearance was given by the research board of the Pokhara University. |
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