Reviewer's report

Title: The relation between insulin resistance and respiratory function

Version: 2 Date: 27 March 2015

Reviewer: Joyashree Banerjee

Reviewer's report:

Major Compulsory Revisions
1. There are some methodological weaknesses, which invalidate the expressed result and conclusions. In Materials and methods study population is not well defined, Inclusion criteria should be specified that included patients.
2. The authors do not specify the sampling method.
3. How fasting serum insulin and fasting plasma glucose and lipid profile were measured? The authors have not given any reference regarding insulin resistance. For definition of insulin resistance a reference is required.
4. Authors mentioned in 161 and 162 line that the ratio of FEV1 to FVC (FEV1/FVC) was calculated, and a value #0.70 was considered as normal. In my opinion this is not the normal value of FEV1/FVC, Restrictive as well as obstructive diseases are not well defined.

Minor Essential Revisions
1. Regarding Reference: authors mentioned references as superscript as well as within second bracket [ 239 lower lung function was associated with a state of insulin resistance, both longitudinally 6 and 240 cross-sectionally [25]- ]
2. Quality of written English is very poor. There are so many grammatical errors in the article.
3. Table -2 : alignment of the columns should be corrected.

Level of interest: An article of limited interest

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
'I declare that I have no competing interests