Reviewer’s report

Title: Low lung function and the risk of incident chronic kidney disease in the Malmö Preventive Project cohort

Version: 0 Date: 08 Dec 2019

Reviewer: Young Su Joo

Reviewer's report:

Authors postulated that there would be an association between low lung function and incident CKD and found there was significant relationship between low lung function and incident CKD in men. Although already this subject was reported previously, current article may contribute to the literature in view of validation of previously reported knowledge.

There are a few considerable points for to be a better report.

1. In method section, page 4 line 48-56, the prevalence of CKD was too low compared to previous studies. Please recheck whether there were the only 639 participants with CKD.

2. When the creatinine was measured and analysed? If the creatinine level was measured by non IDMS traceable method, creatinine levels should be conversion with calibration equation.

Please consider use conversion equation and do sensitivity analysis

3. Please discuss why there was any statistical significant association between incident CKD and low FEV1 in women.

Please confirm that you have included your review in the ‘Comments to Author’ box?

As a minimum standard, please include a few sentences that outline what you think are the authors’ hypothesis/objectives, their main results, and the conclusions drawn. Your report should constructively instruct authors on how they can strengthen their paper to the point where it may be acceptable for publication, or provide detailed reasons as to why the manuscript does not fulfill our criteria for consideration. Please supply appropriate evidence using examples from the manuscript to substantiate your comments. Please break your comments into two bulleted or numbered sections: major and minor comments.

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Please only upload as attachments annotated versions of manuscripts, graphs, supporting materials or other aspects of your report which cannot be included as text in the ‘Comments to Author’ box.

Yes
Are the methods appropriate and well described to allow independent reproduction of experiments?

Please state in the ‘Comments to Authors’ box below what you think are the strengths and weaknesses of the methods (study design, data collection, and data analysis), and what is required, if anything, to improve the quality of reporting

Yes

Does the work include the necessary controls?

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No

Are you able to assess the statistics?

- Are the statistical test(s) used in this study appropriate and well described?

- Is the exact sample size (n) reported for each experimental group/condition (as a number, not a range)?

- Are the description of any error bars and probability values appropriate?

- Are all error bars defined in the corresponding figure legends?

- Has a sample size calculation been included, or a description and rationale about how sample sizes were chosen?

Please can you confirm which of the following statements apply to your statistical assessment of the manuscript (Please include details of what the authors need to address in the ‘Comments to Author’ box):

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Are the conclusions drawn adequately supported by the data shown?

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