Reviewer’s report

Title: The association of depressive symptoms, personality traits, and sociodemographic factors with Health-Related Quality of Life and Quality of Life in patients with advanced-stage lung cancer: an observational multi-center cohort study

Version: 1 Date: 25 Mar 2020

Reviewer: Research Square Reviewer 1

Reviewer's report:

PEER REVIEWER ASSESSMENTS:

OBJECTIVE - Full research articles: is there a clear objective that addresses one or several testable research questions? (Brief or other article types: is there a clear objective?)
Yes - there is a clear objective

DESIGN - Is the current approach (including controls and analysis protocols) appropriate for the objective?
No - there are minor issues

EXECUTION - Are the experiments and analyses performed with sufficient technical rigor to allow confidence in the results?
Yes - experiments and analyses were performed appropriately

STATISTICS - Is the use of statistics in the manuscript appropriate?
Yes - appropriate statistical analyses have been used in the study

INTERPRETATION - Is the current interpretation/discussion of the results reasonable and not overstated?
No - there are minor issues

OVERALL MANUSCRIPT POTENTIAL - Has the author addressed your concerns sufficiently for you to now recommend the work as a technically sound contribution? If not, can further revisions be made to make the work technically sound?
Probably - with minor revisions

PEER REVIEWER COMMENTS:

GENERAL COMMENTS: I was not an original reviewer but do feel the authors have been highly responsive based on the explanations provided in the response letter. The authors have done an excellent job of defining and explaining the measures and the statistical analyses and the reasons for selection. There are a few remaining minor concerns

REQUESTED REVISIONS:
1. Wonder if (pg 3) it should be partner and not spouse? 2. The data collected are old from patients 6-8 years ago(2012-2014) - what s the logic behind using this time frame? 3. How many times were patients contacted to complete the survey? 4. There is a potential response bias in that possibly the most
optimistic of patients or those who had a caregiver who could help with the survey were the ones who returned it. 5. Table 3 is difficult to read - the x axis bleeds into the page numbering

ADDITIONAL REQUESTS/SUGGESTIONS:
The authors have been responsive the to the extensive prior reviews - some minor issues remain

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

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