Reviewer’s report

Title: Serum (1-3)-β-D-Glucan and Galactomannan Levels in Patients with Cystic Fibrosis: a Retrospective Cohort Study

Version: 0 Date: 25 Jan 2018

Reviewer: Anurag Singh

Reviewer’s report:

The manuscript by Träger et al reports a retrospective cohort study to screen the potential of Serum (1-3)-β-D-Glucan (BDG) and Galactomannan (GM) levels, in predicting the lung function impairment and its association with Aspergillus fumigatus in CF patients.

This report addresses the important and largely unknown diagnostic value of BDG and GM in CF patients.

The manuscript is well written, methods/results are clearly described and the discussion is adequate.

This reviewer has very minor suggestions, which might help to enhance the overall readability of the manuscript.

a) In page 7, lines 159-160, authors mention group of patients as "significantly older" while describing the results. Similarly in page 8, line 197 and page 9, line 216. It will be useful to add a number or range together with 'significantly older' remark in the results section.

b) In results section Page 8, Line 196-198, authors write "….patients with persistent A. fumigatus detection were significantly older, had a higher BMI and were more often colonized with P. aeruginosa". On the other hand in discussion section, Page 10, Line 241-242 "….patients were in a more advanced stage of disease, i.e. they were older, had a lower BMI, were more often colonized or infected with P. aeruginosa". Please correct the statement for BMI accordingly.

c) This reviewer thinks that manuscript might benefit from rephrasing and punctuating of some lengthy sentences, especially in the results section.

d) Figure one Title Page 14, Line 356, Aspergillus fumigatus should be in italics.

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

Yes

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

Yes

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

Yes

**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

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