Reviewer's report

Title: Statins in Candidemia: Clinical Outcomes From a Matched Cohort Study.

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Reviewer: Imad M Tleyjeh

Reviewer's report:

The authors examine the association between statins and outcome in ICU patients with candidemia. The question is important, and is biologically plausible. However, there are concerns about the design of the study and interpretation of the results.

1-The authors have used a matched cohort design although at the end of the ms they refer to it as matched case-control study. The terms "cases" and "controls" should not be used here but rather "exposed" and "non-exposed". There is no clear description of the selection of "non-exposed" group. Although, they say "non-exposed" groups were matched by comorbidities (not sure how), there were significant differences in comorbidities between the 2 groups

2-The study is underpowered to detect a significant difference. There is no sample size calculation.

3-Although the results of multivariate analysis were non-significant (OR 0.2 (0.02, 2.4) with possible harm with statin in the 95%CI, the authors talk about a benefit of statins in candidemia.

4-The references are outdated. Many studies and systematic reviews have been published about the topic.

5- manuscript needs copy editing

Level of interest: An article of importance in its field

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

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests'