Reviewer’s report

**Title:** Incidence and Predictors of Second-Line Antiretroviral Treatment Failure among Adults Living with HIV in Amhara Region: A multi-Centered Retrospective Follow-up Study

**Version: 1  Date: 14 May 2019**

**Reviewer:** Solomon Ahmed

**Reviewer's report:**

The authors have responded to the review comments.

I suggest that the authors include the following before finalizing the manuscript.

Under "Predictors of second-line treatment failure", the first two sentences should be revised to state:

"Modifying second-line drug regimen, ART adherence, WHO clinical stages at switch, taking INH preventive therapy, and types of second-line drug regimen were found to be significant predictors of second-line treatment failure (Table-4). The rate of treatment failure for patients who didn't modify the second-line drug regimens (HR: 1.55, 95%CI: 1.18-2.04) was higher by 55% as compared to patients who modify the drug regimen at any time in the follow-up period".

**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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