Reviewer’s report

Title: A Comparative Effectiveness Analysis of the PBCG vs. PCPT Risks Calculators in a Multi-Ethnic Cohort

Version: 0 Date: 19 Aug 2019

Reviewer: Ardalan Ahmad

Reviewer's report:

This is a retrospective cross-sectional study comparing the performance of Prostate Cancer Prevention Trial Risk Calculator 2.0 (PCPT RC) and the new Prostate Biopsy Collaborative Group (PBCG) RC across racial groups. Men referred for initial biopsy for abnormal PSA or digital rectal examination between 2009-2014 were enrolled.

The manuscript is well written and easy to read. The findings are well published on and not novel.

I have no major comment.

1- I would like to encourage the authors to better highlight in discussion section the differences in the population studied compared to previous publications.

2- Using term High grade for GS 3+4 and higher may be confusing. I would recommend using term “clinically significant”!

3- Please provide additional data on biopsy technique (number of cores, technique, ...).

Thank you!

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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**Yes**

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- 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?

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