Reviewer's report

Title: Black and White Men Younger than 50 Years of Age Demonstrate Similar Outcomes After Radical Prostatectomy

Version: 3
Date: 6 October 2014
Reviewer: Zachary Klaassen

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Moses et al. reported their outcomes of 551 white and 99 black patients <= 50 years of age with prostate cancer who underwent RP at a large tertiary referral center. They found that in these young men had similar bRFS with pathologically confirmed organ confined disease, however there may be a greater risk of BCR among black men with locally advanced disease compared to white men.

This is a well-designed study. Although the sample size is somewhat small and the number of 'events' is small, this study is coming from a large, world-renowned cancer center, which garners significant additional merit for a study with this very specific cohort. The conclusion given, that young black men that receive RP have comparable outcomes to young white men who receive RP, is appropriately stated and well reasoned. The authors do mention two additional points -- (i) these young black men still have potentially more aggressive tumors as suggested by a greater risk of BCR among black men with locally advanced disease, and (ii) that black men, in general, are less likely to receive RP as definitive therapy compared to white men.

1) Major compulsory revisions - None

2) Minor essential revisions -
   (a) Methods - there is no mention as to what statistical test(s) were used for Table 1. ie. Chi-square, ANOVA, t-test, etc. Please provide
   (b) Results - Line 143: the authors mention that there were no differences between the two groups with regards to comorbidity. However, looking at Table 1 for CCI the p-value is 0.04. This is significant. Please explain/adjust in the results. If this is in fact actually significant, I would consider adjusting for CCI in the model listed in Table 2
   (c) Abstract Methods line 38 -- would add "We identified 551 white and 99 black men at a tertiary care center who underwent..."
   (d) Abstract Conclusions line 51 - would add "In this single institution study, there does not appear to be..."
   (e) Abstract Conclusions line 54 - would add "among black men with locally advanced..."
   (f) Results line 143 - would make a mention that there were no differences for pathologic characteristics among the two groups.
Discretionary Revisions - none

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests