Reviewer’s report

Title: Is there any association between prostate-specific antigen screening frequency and uptake of active surveillance in men with low or very low risk prostate cancer?

Version: 0 Date: 02 May 2019

Reviewer: M. Ather

Reviewer's report:

Authors have attempted to address an important question. The accrual of patients into active surveillance diagnosed with low risk or very low risk PC in the Stockholm county. I have following observations on the current submission.

1. It is not clear whether PSA performed prior to diagnosis and decision for one of the management arm was at individuals discretion or part of screening protocol.

2. Significant number had a treatment data missing (n=485, 11%) men and were considered not to have undergone AS. The impact of this needs to be discussed.

3. It is not clear from the data presented as to what happened to those who moved out of the county and received treatment elsewhere in Sweden or even in Scandanavia or Europe.

4. The methods needs to describe how meticulous the system in capturing all sentinel events in the clinical work up of these patients.

5. The authors needs have discussed limitations of the study and concluded only on the aspects assessed.
Please confirm that you have included your review in the 'Comments to Author' box?
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No

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NA

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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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