Reviewer's report

Title: Can daily intake of aspirin and/or statins influence the behavior of non-muscle-invasive bladder cancer? A retrospective study on a cohort of patients undergoing transurethral bladder resection

Version: 2 Date: 10 November 2014

Reviewer: Lars Dyrskjot

Reviewer's report:

Pastore et al investigate the influence of aspirin and/or statins on NMIBC recurrence. A significant association between aspirin intake and decreased tumor recurrence frequency was observed. But overall the recurrence frequency was higher in the treated patients compared to untreated.

Limited information is available about the effects of aspirin intake in NMIBC patients. Overall the presented findings are interesting, but it would be easier to interpret if data were presented differently.

Major Compulsory Revisions

1. The comparison between treated and untreated seems strange as different drugs are included in the treated patient group.
2. The figures are difficult to read, and I think it would be much easier to transform this into a table with all comparisons and results available.
3. Are aspirin intake also associated with decreased recurrence when stratifying for other risk factors? Multivariate analysis is mentioned in materials and methods, but it is not clear when this has been used.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests