Reviewer's report

Title: Risk of urinary bladder cancer: a case-control analysis of industry and occupation

Version: 2 Date: 12 November 2009

Reviewer: Victor Moreno

Reviewer's report:

The statistical analysis of this study is essentially correct. There is an issue already commented in the discussion that could be improved: multiple comparisons (more than 50) have been performed and some of findings are likely to be false positive results. An estimate of such false-positive rate can be done using FDR calculations. Calculation of q-values can help in ranking which associations are more likely be true. Also, since most of the occupations have low numbers, exact tests of association would also be more suitable and, being more conservative, only the strongest associations would remain significant.

However, since the focus of the paper is discovery or corroboration of previous observations but cannot go deep into the underlying putative causal factors more than in speculative considerations, these statistical sophistications are secondary and the manuscript is acceptable in its current form.

Level of interest: An article of limited interest

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