Reviewer's report

Title: "Occupational exposure and sinonasal cancer: a review and meta-analysis"

Version: Date: 21 August 2014

Reviewer: Giuseppe Alessio Messano

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Major Compulsory Revisions

1) Occupational exposure to carcinogens is an interesting topic and this review focuses on particular forms of neoplasm (C30-C31) that are seldom investigated. However, the topic is very extended, since many carcinogens and many neoplasms are included in this analysis. More specifically, the number of neoplasms included in the same analysis is high and it is hard to imagine that a given carcinogen has the same effect on so many different histological types and that exposure levels are similar for different occupations. In addition, the risk exists that studies on occupational medicine which found non-significant associations between exposure and outcome are not accepted for publication. Therefore, despite the control for publication bias, the pooled risk could be overestimated.

2) I think that a narrative review using the references reported by the authors could be better than the meta-analysis which could rise problems of result interpretation.

Level of interest: An article whose findings are important to those with closely related research interests

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' below.