Reviewer's report

Title: Risk of Tobacco-Related Multiple Primary Cancers in Bavaria, Germany

Version: 3 Date: 26 March 2012

Reviewer: María Luisa López

Reviewer's report:

Discretionary revisions

It is not necessary to include the expression “Bavaria 2002-2008” in the titles of tables 1, 2, 3 and 4. In the 2nd paragraph of the Materials and Methods was stated: “In this study we analyzed TRFPC and TRSPC diagnosed in Bavaria between 2002 and 2008”

The SIR value of the mouth, pharynx/larynx in women is 69.05 in Table 2 and 69.1 in the text (see the Results chapter, page 8, line 17). They should be the same: 69,1 or 69,05 in both places.

In my opinion Table 5 can be omitted as it is unnecessary to include a results table from another study: the sentence and quote in the Discussion chapter is enough: “In comparison with our results, surgery was generally administered in a higher proportion of persons according to published German studies [32]”. Whoever wants more details can find them in reference 32.

Is the quote nº 3 correct (in the first paragraph on page 5)?

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

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'