Reviewer's report

**Title:** Cell type specificity of female lung cancer associated with sulfur dioxide from air pollutants in Taiwan: an ecological study

**Version:** 2 **Date:** 22 August 2011

**Reviewer:** Maria Felicitas Lopez-Cima

**Reviewer's report:**

**General**

In this study, the authors conducted an ecological study to evaluate the association between exposure to five air pollutants (SO2, CO, NO2, NO, and O3) and female lung cancer incidence by two major pathological types (adenocarcinoma and squamous cell carcinoma) in Taiwan.

They observed a dose-response relationship between SO2 exposure and increased female lung cancer incidence, especially for squamous cell carcinoma.

In general this is an interesting study that may help to add more evidence on lung cancer risk with air pollution, specifically, SO2 exposure.

**Specific comments**

All suggestions have been considered in the revised manuscript.

**Level of interest:** An article of importance in its field

**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