Reviewer’s report

**Title:** Short-term effects of ambient particulates and gaseous pollutants on the incidence of transient ischaemic attack and minor stroke: a case-crossover study

**Version:** 1  **Date:** 29 March 2012

**Reviewer:** Adolfo Figueiras

**Reviewer’s report:**

Interesting study on the effect of Gaseous pollutants in transient attack and minor stroke ischaemic. This design applies a time stratified referent selection, but the authors should provide information on:

1. How the models were built? That criteria used to include variables and their lags in the model?
2. Analyzed how the effect of atmospheric variables? It is well known that the relationship between temperature and morbidity and mortality follows a U-shaped What statistical model applied? Splines ¿?
3. Is it evaluated the statistical power of the study?
4. Have you done a sensitivity analysis by analyzing the models using another type of CCO design or events to Poisson time series (Environ Health Perspect 118:1173-1182 (2010))?  

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

**Quality of written English:** Needs some language corrections before being published

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

**Declaration of competing interests:**

NO