Reviewer’s report

**Title:** Host and environmental predictors of exhaled breath temperature in the elderly

**Version:** 1  **Date:** 18 September 2013

**Reviewer:** Jochen K Schubert

**Reviewer’s report:**

**Discretionary Revisions:**
Authors report on factors and conditions that might influence exhaled breath temperature (EBT). The study was well conceived and a large number of patients were included. Results of different regression analyses are presented. In the context of statistical analysis, authors should discuss the problem of statistical significance as they used a large number of parameters drawn from a limited number of independent measures.

**Specific comments:**

**Statistical Analysis:**
However Although asthma and COPD were no significant determinants they were forced into the regression model. What are the statistical implication of doing this?

Figure 1 Were they any statistically significant differences between these groups. Did authors test for that. Were multiple comparisons taken into account?

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

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

**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