Reviewer's report

Title: In utero exposure to low dose arsenic via drinking water impairs early life lung mechanics in mice

Version: 3 Date: 23 October 2012

Reviewer: Thomas M Krunkosky

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Minor Revisions
1. Figure #2. According to the method section the p value was indicated at 0.05 to be significant. The error bars are quite large for the 10 and 100ug/L indicating significant differences in the mare group. Are the error bars correct for this data? How many animals were use in the control and treatment of this graph?

2. Figure #3 The TGV is represented as 4 line graphs in both the male and female graphs. This is somewhat confusing on why there are two open circled lines and two solid filled in circle lines. Do the represent the 10 and 100ug/L doses? Is this the average of the 11 & 23 male animals treated at two weeks and the 13 & 15 female animals treated at two weeks. Please clarify line graphs and number of animals including the number used for the controls.

Figure #4 Female graphs G and H appear to have quite small error bar between control and treated. Are these samples significantly different from treatment and control? Once again same comment as Figure #3 what do the 4 lines (two hollow circles and two solid circles) in each graph represent. Please clarify.

Level of interest: An article of importance in its field

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

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests