Reviewer's report

Title: Aluminum concentrations in central and peripheral areas of malignant breast lesions do not differ from those in normal breast tissues

Version: 4 Date: 3 December 2012

Reviewer: Chris Exley

Reviewer's report:

Discretionary Revisions
Could the authors make it absolutely clear that fat was not removed from the breast tissues prior to their analysis for Al content. This is a fundamental difference between this study and our previous study (Exley et al., 2007).

Since the authors have both wet and dry weights it would also be of interest to plot %water against [Al] as we would predict that those tissues with the highest fat content (and lowest %water) would also have the lower [Al].

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

We have a manuscript in a similar area under review at BMC Cancer.