Reviewer's report

Title: Celecoxib Concentration Predicts Decrease In Prostaglandin E2 Concentrations In Nipple Aspirate Fluid From High Risk Women

Version: 1 Date: 25 September 2007

Reviewer: Dan H Moore

Reviewer's report:

General
The paper is well-written and addresses a topic of widespread interest in preventing breast cancer.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)
None

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)
Three of the women in each treatment groups had prior cancer. While it is unlikely that their data affected the overall results, it would be nice to have the authors confirm this. Women who have already had breast cancer may have very different levels of PGE2 than those who are at high risk without cancer. Although the numbers with cancer are small, readers might want to know whether their values were markedly different from those for women without prior cancer.

It is not clear what the p-value reported in the last column of tables 2 and 3 refer to. The column header does not clearly define what hypothesis was tested.

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after discretionary revisions

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: 
I declare that I have no competing interests.