Reviewer's report

Title: The frequency of BRCA1 mutation in breast cancer patients from Ukraine

Version: 2  Date: 15 July 2015

Reviewer: Frans Hogervorst

Reviewer's report:

major compulsory revisions:

1: In the last paragraph of the findings section the authors mention specifically: that in contrast to other reports our results suggest no difference in ... mutation frequencies ......between patients with and without family history of the disease.

This is an important message however the authors don't provide any data other than : We documented family history of disease.

Can the authors describe in more detail the family history data which support their findings e.g by providing a table.

2: I miss a recommendation /conclusion whether or not to screen for the mutation in all Ukrainian breast cancer patients

minor essential revisions

3: abstract: carriers instead of bearers.

4: 5382insC, please mention once the HGVS nomenclature: c.5266dupC p.Gln1756fs

5: detection frequency: 4.66%, use 4.7% (same holds for other percentages). the overall numbers are small and do not justify such detailed percentages.

6: last paragraph findings:replace 'in our resulst' by 'our results'

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I have no competing interest