Reviewer’s report

Title: The association between non-breast and ovary cancers and BRCA mutation in first- and second-degree relatives of high-risk breast cancer patients: a large-scale study of Koreans

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Reviewer: Rajdeep Das

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The manuscript titled 'The association between non-breast and ovary cancers and BRCA mutation in first- and second-degree relatives of high-risk breast cancer patients: a large-scale study of Koreans' by Kim, et al. explores the association between BRCA mutation and pervasiveness of ovarian and other cancers (non-breast) in first and second degree relative of patients who were diagnosed with breast cancer. Indeed the authors have presented a comprehensive analyses; however, there are some minor flaws which should be addressed.

1. Did the authors take into consideration of any confounding factors? For example, whether there was any underlying disease or symptoms which could have lead to increase in prevalence of stomach, panceas, colorectal, lung and uterine cancers

2. If 'Family history of breast or ovarian cancer' as a variable was not found to have a statistical significance to factors associated with family history of other primary cancers, how did the authors conclude the possibility of inherited cancer risk.

3. What were the multiple risk factors that the authors have mentioned several times in the manuscript?

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Quality of written English
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