Reviewer's report

Title: The role of BRCA1 and BRCA2 mutations in prostate, pancreatic and stomach cancers.

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Reviewer: Wojciech Kłosiński

Reviewer's report:

Comments to author:
This is a well presented manuscript, showing a wide range of studies on BRCA1/2 mutations carriers and its associations with cancers of prostate, pancreas and stomach. Majority of clinicians are mostly focused on breast and ovarian cancers while facing families with BRCA1/2 mutations. Therefore, this review might be a very valuable set of information about prostate, pancreas and stomach cancers showing not only the association with the risk but also frequency of those cancers among families and stating that BRCA2 gene is associated with poor survival. These information might be valuable for assessing specific surveillance program for carriers or set a more effective treatment. Manuscript is well divided into chapters which make it easily to comprehend. Developing standard procedures for cancer risk assessment is of a broad interest among geneticists where such procedures are clearly stated for females but it is not well reasoned for males especially for carriers with BRCA1/2.

- Major Compulsory Revisions
No major issues were found.

- Minor Essential Revisions
There are too many repeats (mostly mentioning about BRCA1/2 and prostate, pancreatic and stomach) in the abstract, while the paper represent a good standard of writing, try to omit those repeats so the paper would more eye-catchy. The abstract is a very important part of the manuscript and should represent the most valuable information in the paper so the reader could consider it as worth reading.

- Discretionary Revisions
The author should give some information or his own opinion about the surveillance programs. The frequencies of BRCA1/2 mutations in specific ethnicities might be of interest so it will give information about which mutation is studied and which are mostly frequent. It might help in diagnostic procedures in which cases we should do the sequencing of entire genes.

Level of interest: An article of importance in its field
Quality of written English: Acceptable

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

Declaration of competing interests:

No conflict of interest