Reviewer’s report

Title: A family pedigree of malignancies associated with BRCA1 pathogenic variants: A reflection of the state of art in China

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Reviewer: Magdalena Ratajska

Reviewer's report:

Overall this is a well-written case report highlighting significant limitations of BRCA1/2 testing in China. The authors report here a case of a four-generation family with BRCA1 pathogenic variant and aggregation of multiple malignancies. Additionally, they discuss in details the deficiencies in the national genetic-testing.

Main comments:

1) Please name mutation accordingly to the actual nomenclature

2) Analysis of other family members for the presence of a recognized variant is known as "co-segregation analysis" rather than "pedigree verification."

3) The pedigree should be edited, instead of patients numbering include comments regarding the age of onset, type of cancer, etc.

4) The language should be polished.

5) Is the table 1 necessary? All that data can be presented on the pedigree

However, my primary concern is the analysis of asymptomatic child, which is against general recommendations.

Level of interest
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published
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