Reviewer’s report

Title: Gross genomic alterations and gene expression profiles of high-grade serous carcinoma of the ovary with and without BRCA1 inactivation

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Reviewer: Jose Palacios

Reviewer’s report:

This article observed no differences in gross genomic alterations and gene expression profile between high-grade serous ovarian carcinomas with and without BRCA1 inactivation. The study is interesting because it suggests alternative pathways to BRCA1 dysfunction to produce genomic instability in a high proportion of high-grade serous carcinoma.

Minor clarifications:

Had all cases without genetic/epigenetic BRCA1 alterations normal levels of BRCA1 mRNA expression? There are not alternative mechanisms of BRCA1 down-regulation, such as ID4 expression?

Should BRCA1 pathway functionally altered in spite of average BRCA1 mRNA expression?

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 declare that I have no competing interests'