Reviewer #1:
Scientific Quality: Grade A (Excellent)
Language Quality: Grade A (Priority publishing)
Conclusion: Minor revision
Specific Comments to Authors: The authors provide an excellent, comprehensive and very interesting review of the role and the significance of BRCA mutations in pancreatic cancer. The manuscript is very well written and easy to read and understand, despite the specialized topic. Only some very minor comments are to be made. Page 3. 'lynch syndrome', Lynch should be written with capital L. Page 8. In 'While both FOLFIRINOX and gemcitabine/nab-paclitaxel chemotherapy regimens are more effective then gemcitabine monotherapy, …', 'then' should be 'than'. Page 9. 'Several large retrospective studies have investigated the efficacy of platinum-based chemotherapies (PtCh) such as FOLFIRINOX specific to patients with BRCA mutations or other genetic mutations leading to HRD (Table 2).' Since the previous paragraph concerned non-pancreatic cancer, please clarify in this initial sentence that these studies were on pancreatic cancer. Page 15. 'O'reilly et al' should be 'O'Reilly et al'. Page 17. 'Niraparib' should be with lower case 'n', such as all other names of PRAP inhibitors. 'Pembrolizumab' should be with lower case 'p', such as all other names of immune check inhibitors. The following comments regarding the use of the acronyms: Page 3. Please define the acronym PDAC as pancreatic duct adenocarcinoma and not just pancreatic adenocarcinoma to justify the D in the acronym. Page 10. The acronym 'PFS' (although well known) should be defined at first appearance. Page 12. Since 'RR' has not been defined previously (only 'ORR'), please define the acronym. Page 15. Since its acronym 'OS' has been used, please replace 'overall survival' by 'OS'. Page 15. Since the acronym 'QOL' has been defined and used, later in the text 'quality of life' should be replaced by 'QOL'. Page 19, at the end of the first paragraph. 'pancreatic cancer' should be PC, as the acronym has been used and defined previously.

Response:

We thank the reviewers for their thoughtful comments regarding our manuscript. We have made all changes requested and they are reflected in the revised manuscript uploaded to the system.

Regards,

Michael Rosen, Rachel Goodwin, Michael Vickers