Reviewer's report

Title: Activity ex vivo of cytotoxic drugs in patient samples of peritoneal carcinomatosis with special focus on colorectal cancer: a preclinical study

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Reviewer: Ratna Vadlamudi

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In this manuscript, authors investigated ex vivo the activity of cytotoxic drugs in IPC using tumor cells derived from various types of PC. Using an ex vivo model, they tested drug sensitivity between various PC tumor types and tested whether differences in clinical outcome are associated with drug sensitivity within the subset of CRC. The results suggest that drug-sensitivity varies considerably between PC diagnoses and individual patients. They concluded that individualized therapy in IPC as a better option rather than using standard diagnosis-specific therapy. In general, this is a good study, experiments are well designed, and conclusions in drawn in general are sound and supported by data. The findings are of interest to readers of BMC and should be published. However the following minor corrections need to be done.

1. Title need to be modified to reflect to the actual study and its findings. The current title reflect that it is biased towards colon cancer
2. Results section is very brief, could be expanded. For example table one indicated that majority of PMP or CRC patients were treated with chemotherapy. It would be useful if authors include few statements as to the correlation of current ex vivo drug results with actual clinical outcome of chemotherapy
3. Figure 1 legend needs to expanded include panel description. Statistic need to be included for panel B, D, F

Level of interest: An article of outstanding merit and interest 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:

I have no competing interests