Reviewer’s report

Title: KRAS mutations: variable incidences in a Brazilian cohort of 8,234 metastatic colorectal cancer patients

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Reviewer: Iris Nagtegaal

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The current paper reports on a large number of CRC cases in which the KRAS mutation status has been determined. This wealth of data adds to the available literature, however, there are a number of questions and comments:

- in the introduction there is a large paragraph on ER, and relation to CRC. This is not relevant in the introduction, so a summarised part might be replaced to the discussion. However, since the manuscript does not investigate ER status I think this is speculative.

- figure 1 is incomplete

- although there is a significant difference between women and men in the frequency of KRAS mutation, this difference is rather small.

- in the part about the age distribution the authors discuss all results as if these are significant, however, this is not the case and I think that it is not realistic to state that an opposite results is obtained in these cases.

- at least part of the data could be gathered in figures rather than tables, which would make it easier to see the differences.

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