Reviewer’s report

Title: Monocarboxylate Transporter 1 (MCT1) is an independent prognostic biomarker in endometrial cancer

Version: 0 Date: 20 Nov 2017

Reviewer: Carla Bartosch

Reviewer's report:

This is a simple study evaluating the immunoexpression of 3 metabolism-related markers (MCT1, MCT4, CD147) in endometrial carcinomas. The study is well designed and well analyzed, with sound results.

Comments and suggestions:

- In the abstract info about the number of cases analyzed should go in the methods.
- page 3, line 12: bilateral salpingo-oophorectomy instead of "removal of both ovaries".
- page 3, line 20: "modify disease outcome".
- Consider detailing mixed carcinomas histological types - their number (n=16) is quite substantial.
- IHC (page 4 line 58), abbreviation not specified previously.
- Check vendors name, Fitzgerald Industries International? (page 5, line 11), clone missing.
- Why/how was the 200 cut-off for IHC groups chosen?
- "This cutoff score split MCT1 scoring range in half (53.9% low vs 46.1% high), grouped two thirds of MCT4 in low expression group (67.8% low vs 32.2% high) and split CD147 in 35.6% low vs 64.4% high expression group." - not sure if this data should be here since it is also in table 1 and in the results text.
- page 5, line 51: "clinico-pathological"
- "areas with strong MCT4 expression had limited CD147 expression (Figure 2c)"; based on figure 2b and 2c, wouldn't say limited CD147 - at most weaker.
- "fitted this as a stratified Log-rank test and Cox regression model." - add/detail stratified modeling to methods.
- table 1: it seems that non-endometroid carcinomas were included in the models as grade 3 - if this is true please add this info.
- table 1: if you don't have any missing values, there is no point in repeatedly adding that line.
- table 1: FIGO stage I, II, III, IV, instead of 1,2,3,4
- table 1: >= 50% instead of >50%
- figure 1: CD147 score 0 does not look to be tumor
- table 2: it is not clear if FIGO stage/size was included in the model as a "numeric" or categoric variable, since only one p value is shown.

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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