Reviewer’s report

Title: Survival analysis of patients with invasive extramammary Paget disease: implications of anatomic sites

Version: 0 Date: 19 Oct 2017

Reviewer: Lindsey Herrel

Reviewer's report:

The authors provide a survival analysis of patients with EMPD using the SEER registry. Their analysis shows a higher mortality for patients who are male, older, have metastatic disease or vaginal over vulvar disease. Overall, I find this manuscript to clearly present the findings, be well written and interesting. I have only minor points for revision listed below.

- In the third paragraph of the introduction, the third sentence states “the prognosis for EMPD is also worsened by the presence of a concurrent malignancy” but has higher rates of survival for those with malignancy than without (46% vs 18%). I believe this is a typo.

- While the authors do mention this point toward the end of the manuscript, I believe it should be mentioned earlier that use of surgery versus radiation as treatment and the respective survival outcomes may be influenced by the extent of disease that is not well described in SEER. For example, patients who have a large burden of unresectable disease will not undergo surgery and likely get palliative radiation and are expected to do worse overall.

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.

Yes

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

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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