Reviewer’s report

Title: Relevance of tumor infiltrating lymphocytes in breast cancer

Version: 1 Date: 27 May 2015

Reviewer: Guangyong Peng

Reviewer’s report:

This review provided by Dushyanthen and coauthors has discussed the key issues for the clinical significance of tumor-infiltrating T cells in breast cancer. Overall, this manuscript is well-organized and provided updated information in the related clinical research field. However, several concerns/suggestions need to be addressed in order to improve this manuscript.

1. When you described the immune responses to different treatments, please more specifically describe how chemotherapy/radiotherapy affects the innate and adaptive immune responses, and which models they used for the conclusions.

2. In the prognostic value of TILs in breast cancer section, please do not use the vague words to summarize the published results from different groups, and please describe clearly positive or negative relevance. Because TILs is a bulk population with different types of cell subsets, the authors should point out clearly which cell subsets in the TILs are more relevant.

3. In the combining conventional treatment with immunotherapy section, the authors may need to discuss the potential factors/problems or benefits of different combinations of the therapies.

4. The authors may need to update the information about clinical relevance of recently identified cell subsets, such as gammadelta T cells and Th17 cells in the TILs in breast cancer.

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.