Reviewer's report

Title: Adherence to hormone therapy among women with breast cancer

Version: 2 Date: 5 September 2013

Reviewer: Volker Ziller

Reviewer’s report:

This study aimed to evaluate adherence in breast cancer patients. It could be of value and interest as it addresses an important topic and provides valuable information based on probably high quality data. Also the remarkable number of patients would support the reliability of the findings. But there is a serious question mark concerning the definition and the way adherence was calculated. If this cannot be clarified, I'm afraid the study has to be recalculated in total.

In the methods section MPR calculation is described with the time period calculated based on last dispensing date minus first dispensing date. If this was truly the way it was done it would lead to severe overestimation of adherence. The time period should be e.g. twelve months or five years or some other fixed time frame and this should be compared to the time patients were supplied. The provided way of calculating would e.g. not detect non-adherent patients that received there last dispensing after 12 months but should have been treated for 60 months, they would be classified adherent and 48 months would be missed. As this flaw would influence all consecutive analysis this should be clarified before further review can be continued.

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

nothing to declare