Reviewer's report

Title: Pretreatment with Saccharomyces boulardii does not prevent the effects of experimental mucositis

Version: 1 Date: 19 February 2014

Reviewer number: 2

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This study reports whether Saccharomyces boulardii which has benefit properties on intestine disease has the effective for 5-Fluorouracil induced mucositis. This is an interesting, and the manuscript is well-written. However, I have one major comment and have the following questions:

Major comment
1. If the histological changes of the mucositis is not observed, whether there is no change even its size? There is not clear at this time of the evaluation method. Size is an important factor to know the severity of the mucositis.

Minor comments

Methods:
1. Was Saccharomyces boulardii suspended in saline?
2. Which company did you purchase the animals from? Is it self breeding?

Figures:
1. The size bar is not described in Figure 4. You written “Bar=50” in figure legends (P21 L14)
2. Please be consistent the notation asterisk in each figure legend and figures.
3. In figure 5B and 5D, representation of the Y-axis has shifted.

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.