Reviewer's report

Title: Tumour size measurement in a mouse model using high resolution MRI

Version: 2 Date: 3 October 2011

Reviewer: Xiaobing Fan

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MS: 6878882756023056

Tumour size measurement in a mouse model using high resolution MRI
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The authors improved the manuscript based on Reviewer 2’s comments. However, the authors did not make any changes for my comments. They did not shorten the manuscript at all and instead made the manuscript even longer. I still think the study is too simple and the manuscript is written more or less like a Master’s thesis, not a scientific paper. A scientific publication should be as succinct as possible. Since Reviewer 2 and the Editor are more enthusiastic about the manuscript, I am willing to change my recommendation for this manuscript only if the authors shorten the manuscript significantly. For the reputation of the journal, I also think the Editor should enforce the authors to make the following changes:

(1) Background section: Eliminate some of the review material and reduce the Background to no more than 2 pages.

(2) Methods section: Reduce unnecessary sentences and materials to cut the whole Methods section to no more than 6 pages.

For example:

Page 8, Delete the following unnecessary sentence: ‘A fast gradient-echo localizer was used to acquire three orthogonal slices for verification of the position of the animal relative to the isocenter of the magnet, and to allow geometric planning of the imaging experiments.’

Page 10, Delete the following redundant sentence: ‘For comparison, in vivo gauge block measurements of the tumour volume were performed just before the animals were sacrificed and tumours removed. The tumours were then weighed using a digital balance.’

(3) Results section: What’s the difference between Figure 3b and Figure 4b? Figure 5 and Figure 6 are not necessary.

(4) Discussion and Conclusion sections: It’s unacceptable to have more than 8
pages of discussion for this simple study. Authors did not need to discuss each figure again. They should only discuss important issues. Please cut the Discussion and Conclusion sections to no more than 3 pages.

Figures: Delete Figures 5 and 6.

**Level of interest:** An article of limited interest

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

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

**Declaration of competing interests:**

I declare that I have no competing interests.