Reviewer's report

Title: In vivo MRI volumetric measurement of prostate regression and growth in mice

Version: 2 Date: 7 June 2007

Reviewer: Johannes T. Heverhagen

Reviewer's report:

General

The authors addressed most of my comments appropriately but some of my questions remain and should be answered prior to publication. Below please find the remaining original comments clarified by additional remarks.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

The authors need to describe their methods more thoroughly:
How many animals did they study in total? What was exactly done with how many mice? How many animals were studied multiple times?
Additional comment: I still could not find a sentence stating how many animals have been studied. Also, no information on how many animals have been studied multiple times. Maybe a graph or a table would help.

The authors describe that the higher resolution sequence provides better results. However, what was the gold standard that validates this statement?
Additional comment: I could not find any information on this.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

The use of high field magnets and small coils to improve resolution is not new. Please rephrase in the discussion.
Additional comment: This might be true for mice and prostate, but it is still a well known fact and the sentence should rephrased in the discussion.

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Discretionary Revisions (which the author can choose to ignore)

The last sentence of the section animals in the methods should be moved to the front.
Additional comment: ILACUC approval should be first sentence in that section.

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of limited interest

Quality of written English: Acceptable

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