Reviewer’s report

Title: Monte Carlo-based Noise Compensation in Coil Intensity Corrected Endorectal MRI

Version: 1 Date: 2 August 2015

Reviewer: Frank Zöllner

Reviewer’s report:

The authors present a noise reduction algorithm for images derived by using endorectal coils during the MRI. The algorithm is compared to three other techniques. Overall the manuscripts is well written but lacks some details.

Major Compulsory Revisions

1. The description of the MR imaging is insufficient and some more details about the image recording is needed. Especially since the MR images look pretty distorted and are overlaid by pulsation or ghosting artefacts. In the present case I would rather try improve this than reducing the few noise in the images ....

2. All tables miss std deviations with the average values, please add.

3. I am not sure whether a endorectal coil plus computational intensive noise correction or imaging with more averages would achieve the same results. Please comment.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests'