Reviewer’s report

Title: MRI texture analysis in differentiating luminal A and luminal B breast cancer molecular subtypes - a feasibility study

Version: 0 Date: 16 Aug 2017

Reviewer: Rivka Colen

Reviewer's report:

The authors submit a very interesting paper. However there are a few concerns that should be addressed.

A reference for the grey level normalization is needed.

How did the authors account for scanner variability (eg phillips, versus GE versus Seimens).

Beautiful discussion in the methods on the different textures and their meanings. However, this is focused on the GLCM. A discussion of the other radiomic features should be included.

Which features were high and which were low? a table on this should be included.

What feature selection and prediction model was used?

The sample size is small which precludes a validation set. However another validation set or LOOCV should be done.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:
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