Reviewer’s report

Title: Quantification of Heterogeneity Observed in Medical Images

Version: 2 Date: 11 December 2012

Reviewer: Georgi Gerganov

Reviewer’s report:

The authors have significantly improved the quality of the manuscript. All of my major concerns from the previous report have been addressed appropriately. I suggest that the article is accepted for publication in BMC Medical Imaging.

Major Compulsory Revisions:

None

Minor Essential Revisions:

1. Section “Background”, line 33:
   “There have several previous attempts to objectively quantify tumor heterogeneity [6–10]”
   Change to: “Several attempts to objectively quantify tumor heterogeneity have been published in the past [6-10]”.

2. Table 2: the mean value of the p-values for the oncologist is still incorrect.

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.

Declaration of competing interests:

I declare that I have no competing interests.