Reviewer's report

Title: Automatic diagnosis of melanoma using machine learning methods on a spectroscopic system

Version: 4 Date: 25 August 2014

Reviewer: Pablo Cavalcanti

Reviewer's report:

Although the authors performed corrections regarding all the minor issues I indicated in my previous report, they have not provided any improvement considering the major issue. And, while their experiments include only a really small number of melanoma cases I will keep believing that the experiments are not enough to prove that their system is really trustable and presents some novelty.

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.