Reviewer’s report

Title:A New Human Heart Vessel Identification, Segmentation and 3D Reconstruction Mechanism

Version:4 Date:26 August 2014

Reviewer:Seyed Hashem Davarpanah

Reviewer’s report:

Major Compulsory Revisions
In order to evaluate the accuracy of the extracted vessel two types of experiments have been conducted by the authors; 1. Qualitative experiments to compare the method using different color spaces and separately to compare with two other methods. In all the experiments only one image is used and the comparison is done based on the results of just this image which is not enough at all. 2. Qualitative experiments which are only done between different color spaces.

It is strongly suggested to the authors to extend their experiments using different images and different conditions.

Level of interest:An article of importance in its field

Quality of written English:Acceptable

Statistical review:No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
None of the above items