Reviewer’s report

Title: Cardiac calcium score on 2D echo: correlations with cardiac and coronary calcium at multi-detector computed tomography.

Version: 1 Date: 7 September 2014

Reviewer: Eugenio Picano

Reviewer’s report:

The authors evaluated 141 patients with CCTA and transthoracic echocardiography for assessment of coronary and cardiac calcium score, and found that echo-based cardiac calcification score is reasonably well correlated to both cardiac and coronary calcification assessed by the gold standard CCTA. The study is important and timely, the topic of interest, and the conclusions are well supported by the data presented.

Minor discretionary revisions.

1- Methods: please add the radiation dose (at least estimated) for CCTA scan (in milliSievert);

2- Discussion: on the basis of the observed limitations, do you suggest to delete papillary muscle “calcification” from the echo cardiac score in future prospective studies? Please spell-out your opinion

3- References: Please quote and discuss more extensively previous literature showing the value of calcification score from transthoracic echo in predicting events

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:

I declare I have no competing interests