Reviewer’s report

Title: Computer-assisted determination of left ventricular endocardial borders reduces variability in the echocardiographic assessment of ejection fraction

Version: 1 Date: 20 October 2008

Reviewer: Luna Gargani

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This is a well-written, accurate study, evaluating a computer-assisted determination of LVEF. It would have been interesting to perform the study by dividing the population into two groups: normal and abnormal EF (although there are a few patients with abnormal EF), as it is especially in patients with impaired LV geometry, that the assessment of EF poses technical challenge.

It would be appropriate to improve the section about visual assessment, that remains one of the most accurate method for the evaluation of EF.

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 that I have no competing interests.