Reviewer’s report

Title: Longitudinal Tissue Doppler Peak Strain Detects a Smaller Risk Area than Visual Wall Motion Assessment in Acute Myocardial Infarction

Version: 2 Date: 16 December 2009

Reviewer: Rosa Sicari

Reviewer’s report:

This is an interesting and well conducted study, however the novelty of the results is small. It is well known that WMS is better than longitudinal strain when transmural ischemia is present. The study, nonetheless, highlights the fact that the application of time consuming technologies can be totally useless in certain subsets of patients.

A comment in the discussion section of the manuscript should be added.

The patient selection is not clear and should be detailed. They also refer to a major study with a large number of patients but it is not clear what they are referring to.

Please address the limitations of global 2D strain in this setting.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

'I declare that I have no competing interests'