Reviewer’s report

Title: Functional measurements based on feature tracking of cine magnetic resonance images identify left ventricular segments with myocardial scar

Version: 1 Date: 12 October 2009

Reviewer: Rosa Sicari

Reviewer’s report:

This is an interesting and well conducted study, the methodology is appropriate and the methodology is sound. There are only minor issues that authors should address:

1. They state, and address in the discussion section of the manuscript that, restenosis was excluded only on clinical grounds. This may be a drawback of the study, since asymptomatic patients may have restenosis. Please address.

2. It would be interesting to have a diagnostic algorithm proposed by authors on the use of different techniques to assess the extent of necrotic tissue after an AMI. Should Doppler techniques be discarded?

3. The clinical implications of the present results should be clearly stated.

4. A statement on cost-effectiveness analysis in the use of CMR should be made.

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'