Reviewer’s report

**Title:** Lipomatous Metaplasia Incidentally Identified in Rabbits with Evolving Reperfused Myocardial Infarction: 3.0T Magnetic Resonance Imaging and Histopathology Findings

**Version:** 1  **Date:** 4 February 2013

**Reviewer:** Francisco Ridocci

**Reviewer’s report:**

It is an interesting study that shows the utility of 3T MRI and histological visualization in vivo in an animal model of acute myocardial infarction and chronic

As the authors point out the main limitation of the study is that only 3 rabbits were studied at 9 months and that detection of lipomatous metaplasia was not an objective of the study

Nevertheless findings deserve publication. The images and sequences are of high quality.

**Minor Essential Revisions:**

Although lipomatous metaplasia was discovered incidentally, the findings are consistent and the term “incidentally” should be deleted in the title.

**Results**

Longitudinal cMRI findings during 9 months

The first sentence should be modified, taking into account that data from only 3 animals only permit the characterization of the sample without assuming that “EF “increased apparently “. In addition, LVEDV enlarged

**Discussion**

Second sentence: the term ictus should be replaced by “myocardial ischemia”

**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