Reviewer’s report

Title: High resolution imaging of the osteochondral unit in a translational model of articular cartilage repair at 9.4 Tesla MRI

Version: 1 Date: 27 December 2014

Reviewer: Marcos L Loreto Sampaio

Reviewer’s report:

Minor Essential Revisions

1-Introd, last paragraph – “specific aim to detect recently describe alterations…” These could have been emphasized in the previous paragraphs.

2-M&M, last paragraph – please inform who made the analysis, level of experience; please inform all variables to be measured and that will latter appear in “results”

3-Discussion last paragraph – line 365 “bone marrow edema relevant cause of prolonged pain”… please, add reference.

4-Introd paragr 3 line 103 – “here…”. Please, what are you referring to? To one of the prior studies? Consider removing this whole paragraph. Some of the information would fit better in the discussion.

Level of interest: An article of outstanding merit and interest 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