Reviewer's report

Title: The effect of Core Decompression on Local Expression of BMP-2, PPAR-gamma and Bone Regeneration in the Steroid-induced Femoral Head Osteonecrosis

Version: 1 Date: 17 June 2012

Reviewer: Wei Zhang

Reviewer's report:

This interesting manuscript examines how core decompression can affect bone regeneration and the expression of two important molecules in the animal model of femoral head osteonecrosis. I am generally pleased with this study per se and only have a few suggestions on writing.

Minor Essential Revisions

The current introduction is too short. The authors should expand it to include more recent literature on osteonecrosis and the reasons to specifically study core decompression.

For some reason I could see two sets of figures, one set in perfect shape, the other set containing some Chinese words. The authors should make sure the wrong set is removed from the submission files.

The strange +/- signs in Tables should be changed to correct ones.

The sub-titles in results should be highlighted, either using different fonts, or using numerical headers.

The discussion section is comprised of a few very, very lengthy paragraphs, which need to be broken into small paragraphs to strengthen readability and flow of logic.

More recent literature should be added.

Discretionary Revisions

More discussion on the translational value of the current study can substantiate the argument.

Level of interest: An article of outstanding merit and interest 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.