Author's response to reviews

Title: Regeneration of Bones in Hip Osteonecrosis and Cartilage in Knee Osteoarthritis with Autologous Adipose Tissue-derived Stem Cells in Human - a series of case reports

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Report by Jaewoo James Pak, MD

Reviewer: Dr. Aleksey Volkov's review remark of MRI photos having different anatomical regions: At present time, I don't have the capability to conduct the MRI morphometry, if I have understood MRI morphometry correctly. Instead, I have changed the MRI picture to "sequential MRI pictures" to see the pattern of the changes throughout different anatomical regions. With the sequential MRI pictures, the readers can also cross compare the different anatomical regions, as well.

Reviewer: Dr. Joseph Orgel Page 4: "The digestive enzyme, collagenase, was then mixed...

1. The authors need to be much more specific about the collagenase: An equal volume of digestive enzyme, 0.07% collagenase Type 1, purified and filtered, derived from clostridium histolyticum (Worthington, Lakewood, NJ, USA Adilase™) was then mixed with the centrifuged lipoaspirates at a ratio of 1:1 and digested for 30 min at 37°Celsius while rotating (12).


Can they also provide a rational for the use of this single enzyme? I added a reference #12 as a rationale.

Page 11: "Based on MRI features, it is very probable that the new tissue formation is bone matrix in the case" should be: "Based on MRI features, it is probable that the new tissue formation is bone matrix in the case" – has been fixed, accordingly.

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