Reviewer's report

Title: Hip preserving surgery with concentrated autologous bone marrow aspirate transplantation for the treatment of asymptomatic osteonecrosis of the femoral head: retrospective review of clinical and radiological outcomes at 6 years postoperatively

Version: 1 Date: 26 Apr 2017

Reviewer: Lynne Jones

Reviewer's report:

The authors have addressed each of the queries raised in the previous critiques adequately. One previous comment was that this was a case series, establishing this manuscript as a Level IV level of evidence. As such, they have compared their results somewhat to what is in the literature for the natural history ON patients and patients following core decompression.

A few queries remain:

1. Abstract - it should be mentioned that the hips were classified according to the Japanese Classification System. Otherwise line 37 (A,B,C1, and C2) could be misinterpreted.
2. Lines 34 to 37 of the abstract are not results and should be moved to the methods section.
3. Line 37 Please state that it is 6/10 hips and 5/10 hips.
4. Line 165 Please capitalize Student's (as it is someone's name).
5. Line 184 Please indicate the p value for significance. Also, even though there is a difference between 40 and 36 is this difference clinically important?
6. Line 207 Was Koo and Kim's results for asymptomatic hips?
7. Line 215 Again, were these references to asymptomatic hips?
8. Line 220 'noted as a mean'
9. Line 227 Again, is this for asymptomatic hips?
10. Discussion: There is no comparison to the results for bone marrow aspirate procedures for treatment of osteonecrosis.
11. Line 262 Please replace the word "highlighted".
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.
No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.
I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:
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