Reviewer’s report

Title: Concomitant septic arthritis and osteomyelitis of the hip in young children; a new pathophysiological hypothesis suggested by MRI enhancement pattern

Version: 3 Date: 11 February 2015

Reviewer: Toshihiro Akisue

Reviewer’s report:

The revised version of manuscript entitled "Concomitant septic arthritis and osteomyelitis of the hip in young children; a new pathophysiological hypothesis suggested by MRI enhancement pattern", has been improved compared with the previous version. The responses to the reviewers’ and editor’s comments are almost reasonable. However, I still found some problems in the revised manuscript. Therefore, I do not think that the current manuscript is suitable for publication in BMC Medical Imaging as is.

Major Compulsory Revisions
Page 9, lines 23-25
The authors stated the limitations of this retrospective study. However, the authors still emphasize their new hypothesis without a strong evidence in this study. I think this study is a case-series with low-evidence level.

Minor Essential Revisions
1. Page 5, line 19
“T2 Weighted” should be “T2-weighted”
2. Page 7, line 2
“°” should be “#”.
3. Page 7, line 3
The authors should note normal rage of CRP in their hospital.
4. Page 8, line 22
Description of reference number is awkward.
5. Page 12, figure legend of Fig A
“Epiphyseal nuclei are 1 not yet#####”. What is “1”?

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'