Reviewer's report

Title: The association between lean mass and bone mineral density in the high disease activity group of adult patients with juvenile idiopathic arthritis

Version: 1 Date: 24 September 2013

Reviewer: Harri Hamalaine

Reviewer's report:

Major compulsory revisions
The authors should tell more information about the relationship between muscles and BMC (Schoneau et al. 2002) and about weight and BMC, BMD.

Is fat mass or lean mass affected by GC use as only five patients were actually never-users of GCs. Are there differences between men and women. Are these notions to be considered in interpreting the results?

In JIA there is no general agreement about remission. Disease activity should be discussed more thoroughly and use of DAS28 in patients with JIA.

Is the precision of Lunar Prodigy reliable enough to compare fat mass and lean mass between the groups?

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited

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