Reviewer's report

Title: Low-dose menaquinone-4 improves gamma-carboxylation of osteocalcin in young males: a non-placebo-controlled dose-response study

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Reviewer: Katharina Nimptsch

Reviewer's report:

I appreciate the revision of the manuscript “Low-dose menaquinone-4 improves gamma-carboxylation of osteocalcin in young males: a non-placebo-controlled dose-response study”, which incorporates the reviewer’s suggestions and has improved substantially. I think the paper would improve further by considering the following issues (Minor Essential Revisions):

(1) Abstract: Introduction, first sentence: The term “used” is misleading here (maybe replace with “has a physiological function in …”). Conclusion is misleading: Please rephrase “a daily lower menaquinone-4 intake below 1500 µg/day improved vitamin K status”.

(2) Introduction, page 4, lines 39-40: This cut-off is the result of one study, so should be described with more modesty.

Quality of written English: Needs some language corrections before being published

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