Reviewer's report

Title: The effects of the Korean reference value on the prevalence of osteoporosis and the prediction of fracture risk

Version: Date: 29 November 2014

Reviewer: Dalia Mohamed Ezz El Din El Mikkawy

Reviewer's report:

The question is well defined.

Methods are appropriate and well described but a comment to clarify the following:

In 2nd paragraph raw 11 in subjects you said that "The health interview survey was administered by a direct interview" and in the previous raw you said that "it is administered in mobile examination center" so Is it direct interview or Not?

In table 2, the 1st cell on left: correct mg/cm2 to gm/cm2 and transfere it to the 3rd cell of BMD.

In table 3: You wrote the number of korean females aged from 20-29: 1236 while you wrote another number in the discussion in paragraph number 6 raw 3:

"The KNHANES 2008–2011 reference group was composed of 976 males and 1,246 females aged 20–29 years" So which number is correct 1236 or 1246 female?

In reference number 2 (2nd reference) the year is 2000 it is written 200. Reference 12, 17, and 26 make the title of the research bold.

The data seems sound.

Discussion and conclusion are well balanced and adequate.

Limitations clearly stated.

Authors did not acknowledge any previous work.

Title and abstract accurately convey what has been found.

Writing is acceptable.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.
Declaration of competing interests:

I declare that I have no competing interests