Reviewer's report

Title: Intakes of calcium, vitamin D, and dairy servings and dental plaque in older Danish adults

Version: 1 Date: 4 July 2012

Reviewer: Maria Morgan

Reviewer's report:

Minor revisions

A well written and interesting paper. I would advise some minor revisions.

The authors acknowledge this is an observational study and make realistic conclusions at the end of the paper. However, the conclusion in the abstract needs to highlight the nature of the study as does the aim.

It is not clear whether the sample was a convenience sample or whether it included all older adults from the Heart Study (subject to being mobile etc). This needs to be clarified.

In the methods section there is no mention of the approach to intra examiner effects and whether these were accounted for - this needs to be remedied.

Also the reference for the dietary reference values appears to be incomplete (ref 16). Are these recommendations country specific?

You refer to dairy servings - what does this actually mean - could you give a couple of examples - did you relate your classifications to overall percentage contribution of dairy foods to the Danish diet?

In the results section 96+78+606 add up to 780 - you refer to 783 participants - what happened to the other 3?

The last paragraph of the results is one sentence - I would suggest you break it up into two - I needed to read it a few times to get the point.

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.