Reviewer’s report

Title: Dairy product consumption and hypertension risk in a prospective French cohort of women

Version: 0 Date: 13 Nov 2019

Reviewer: Dagfinn Aune

Reviewer's report:

This is a large cohort study of 40526 French women including 9340 incident cases of hypertension investigating the association between dairy product consumption and risk of hypertension. The study found no association between dairy intake and hypertension, except for a positive association between processed cheese consumption and hypertension (1.11, 1.05-1.18).

What is the definition of processed cheese? What types of cheese are included here?

There is some data certain dairy products may protect against certain metabolic perturbations including adiposity, diabetes and hypertension. It would have been good to see an additional model without these variables in the multivariable adjustment to clarify if they could be intermediate factors.

line 162: resulting in more
line 182: consumption of milk, ...
line 73: It is stated that participants completed questionnaires every 2-3 years. Was this the case also for the dietary questionnaire or just for other lifestyle/medical information? If so was there any attempt to use repeated measures of diet or look at changes in diet during follow-up and hypertension?

Did you have any data on skim vs. low-fat and whole milk? And how about high-fat vs. low-fat dairy products? For comparison with previous studies it would have been good if such results could have been reported.

Level of interest

Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English

Please indicate the quality of language in the manuscript:

Not suitable for publication unless extensively edited

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