Reviewer's report

Title: Diet and endometrial cancer: a focus on the role of fruit and vegetable intake, Mediterranean Diet and Dietary Inflammatory Index in the endometrial cancer risk

Version: 0 Date: 15 Mar 2017

Reviewer: Anne Lanceley

Reviewer's report:

This is an important area of research and one which is receiving considerable attention with a number of large case control studies reporting.

This study aimed to investigate the relationship to endometrial cancer risk of fruit and vegetable intake, adherence to the Mediterranean diet and the dietary inflammatory index.

Overall the methods are appropriate though the study is weakened by the limitations highlighted by the authors.

The results need a more thorough grounding in other recent relevant studies to distinguish the work for BMC Cancer publication. For example I was surprised not to find referenced work by other groups:

Mediterranean diet and risk of endometrial cancer: a pooled analysis of three Italian case-control studies.


Food groups and endometrial cancer risk: a case-control study from Italy.

Nutrient-based dietary patterns and endometrial cancer risk: an Italian case-control study.

Endometrial cancer risk prediction including serum-based biomarkers: results from the EPIC cohort.

Dietary glycemic index, glycemic load, and the risk of endometrial cancer: a case-control study and meta-analysis.


**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable
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