Reviewer’s report

Title: Dietary pattern and dietary total antioxidant capacity influence on the risk of dyslipidemia in Korean adults

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Reviewer: Wojciech Drygas

Reviewer’s report:

The authors performed a dietary pattern analysis and calculated the dietary total oxidant capacity (TAC) based on 24-h dietary recall in large representative population study of 29,624 subjects from fourth and fifth Korea National Health and Nutrition Examination Survey. The aim of the study was to evaluate the risk of dyslipidemia with respect to the joint interaction between dietary pattern and dietary total TAC.

The authors defined four dietary patterns typical for Korean population similar like in previously published studies. I do not have any objection concerning the methods, statistical analysis, presentation of the study results and discussion.

The authors described properly the strengths but also weaknesses of their study.

The major strength of this study is evaluation of dyslipidemia risk with respect to joint interaction between dietary pattern and dietary total antioxidant capacity.

Results of the study are original and of interest for the large group of experts in nutrition sciences and public health area.

Probably two minor changes could complement the manuscript. I will suggest to divide the table 2 which is very large and not easy to gather into two parts presenting the data related to blood lipids profile and dyslipidemia separately.

I wonder whether "Kimchi" which is typical Korean food is well known in other parts of the world. Thus, probably short information about "Kimchi" in the suitable part of the manuscript would be advisable.

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An article of importance in its field

Quality of written English
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Acceptable
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