Reviewer’s report

**Title:** Associations between fruit and vegetable, and antioxidant nutrient intake and age-related macular degeneration by smoking status in elderly Korean men

**Version:** 0  **Date:** 14 Jun 2017

**Reviewer:** Sabine Rohrmann

**Reviewer's report:**

This is a cross-sectional analysis of the association between antioxidant nutrient intake and AMD in a Korean population.

Comments:

Abstract:

Methods: How has AMD been assessed? How was diet assessed? Did the assessment include dietary supplements?

Results: It should be mentioned that overall, there was no association between antioxidant nutrient intake and odds of AMD. Hence, I believe that the first statement in the conclusion is slightly misleading.

Main text:

Discussion:

1. 159: "unlike in other studies" - which studies? Please add references.

1. 175 ff: Did other studies stratify by smoking status and report inverse associations in smokers only?

1. 173f: Why do the authors believe that the effect is not visible in a population with high F&V intake? What is the range of intake in the current and in previous studies (i.e. how does intake differ between participant with high and low intake)?

1. 195: The CI cited for study [51] looks odd. Can you check, please?

1. 216ff: The authors state that they only have limited information on dietary supplements. However, the might be able to estimate who much dietary supplements contribute to antioxidant
nutrient intake and make a general statement (e.g., in 2010/2011, supplements contributed x% to beta-carotene intake in this population).

A further limitation is that the result in smokers is based on a small number of cases and interaction is only significant for beta-carotene. It should also be mentioned that the majority of participants 65+ years old were actually excluded from the analysis. Hence, the authors only looked at a very selective group of the population. It is sometimes not entirely clear, why some participants have been excluded.

**Level of interest**

Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

**Quality of written English**

Please indicate the quality of language in the manuscript:

Acceptable

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1-6: No.

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