Reviewer's report

Title: A single consumption of curry improved postprandial endothelial function in healthy male subjects: a randomized, controlled crossover trial

Version: 2 Date: 20 January 2014

Reviewer: Masao Hirayama

Reviewer's report:

The authors of the current manuscript evaluated a single consumption of curry improved postprandial endothelial function in healthy male subjects: a randomized, controlled crossover trial. The authors observed changes in FMD, DBP, and heart rate one hour postintake. The results are interesting despite of a single point measurement and the small number of participants. The content would be fit for a Short Report rather than an article. However, further information and explanation on the following are needed.

Major Compulsory Revisions
1. No explanation is given as to a single point measurement after 1 hr intake without time-course measurement data, because the reliability is very important.
2. No explanation is given as to decrease in DBP and increase in heart rate whilst SBP was no change. Such discrepancies need to be addressed.
3. P14 L4 - P16 L7: Discussion explaining the relation of FMD response and active components is focused and improved into a more concise description, because FMD response wasn't positively related with the changes of oxidative stress, blood glucose, and insulin. Quercetin, known as a modulator of cyclic GMP-dependent relaxations, would be worth discussing, if the curry meal contains the appropriate amount.
4. P7 L4 - L8; P12 L4 -6: Description seems to be duplicated.

Minor Essential Revisions
1) P8L14: RH (relative humidity ?)
2) P9L15: 80°C # -80°C
3) P9L16 - P11L3: eight places (Company, City, Country)
4) P12L3: enrolled 18 subjects # enrolled 14 (?) subjects

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests.