Reviewer's report

Title: Biopsychological traits of Sasang typology based on Sasang Personality Questionnaire and Body Mass Index

Version: 3 Date: 21 July 2014

Reviewer: Junsang Yu

Reviewer's report:

1. Major Compulsory Revisions
You mentioned the SPQ differences and BMI statistically significant but as for the SPQ total is regarded as significantly different in total scores. In this article, you were to investigate the SPQ and BMI across age and gender, So I think it is good to show the result total, male, female SPQ and BMI respectively in Table 4. Of course you showed the graph in Figure 2 attached but I can't find the p value of each age group and each sex.

page 12. section 3.4 the total scores on the SPQ (you showed the mean value) and BMI (you showed mean value) of SY, TE, SE were found to be significantly different among Sasang types regardless of age and gender. In this paragraph, we need to focus on the "regardless of age and gender" that is, we can see the result the same in every age group and every gender. But it is not true as you know. The result says it's true only in total group. But classified into age group and sex, the significance looked different.

Most of the readers will read your results and conclusions, in that case, they think SPQ and BMI were significant different respectively. BMI is the another case. I think you should notice that "in total subjects" and "in 40's in SPQ" like limitation. Because, in your earlier study, SPQ total already showed different respectively. In this article you meant "across age and gender" So I guess the result has to follow the purpose.

2. Discretionary Revisions
You mentioned Taeyang Taeeum Soyang Soeum as the combination of Tae-So notions and Yin-Yang theory. But in Sasang constitutional medicine, Dr. Je-ma Lee used his notion on four bigram(trigram) in the book of "Iching". So it is regarded as a whole meanging not divided as two parts and two notions like Confusianism and Daoism. You used the Tae-So(Big-Little) and attributed Big-Little to Big man and Small man(in the Confucianism, it is based on the notion of Moral and philosophical way) So I think it is an equivocal meaning.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable
Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

No competing interest.