Reviewer’s report

Title: Effects of Korean Red Ginseng (Panax Ginseng Meyer) on Bisphenol A Exposure and Gynecologic Complaints: Single blind, randomized clinical trial of efficacy and safety

Version: 4 Date: 26 January 2014

Reviewer: Jong Park

Reviewer’s report:

The efficacy and safety of KRG on urine BPA level and QOL of young female were evaluated. This group previously reported potential benefits of KPG and impacts of BPA. The authors expanded their KRG study on impact of urine BPA level and QOL. Further, the authors evaluated a different level of benefit from KRG treatment based on participant’s category determined by the Sasang constitutions system through questionnaire.

With a relatively small sample size, the author observed interesting results, thus, 1) KRG treatment decreased urine BPA levels within a few days, 2) treatment enhanced QOL, especially the SE group.

Comments,
If the participants were compensated for this study, it needs to be described.

In the Figure 4, one BPA value in control group appears to be an outlier. If this outlier was excluded, then the placebo group may show a similar pattern of the treated group.

SE group showed a better response from KRG than other treated groups. The authors may consider an intra-group analysis. Thus, QOL analysis between treated and control groups may be performed within same category determined by Sasang system.

Application of KRG effect in Sasang constitutions is a novel and interesting approach. However, all humans can not be categorized into 4 groups based upon questionnaire data. This may be described in the limitation section.

Criteria for KRG Safety seem to be subjective. Description “there was no one who quit the trial due to side effects of KRG” may not be enough to describe as “Safe”. Basic clinical blood analysis from representative participants may be helpful.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Needs some language corrections before being
published

**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'