Reviewer's report

Title: Susceptible Gene of Stasis-Stagnation Constitution from Genome-Wide Association Study Related to Cardiovascular Disturbance and Possible Regulated Traditional Chinese Medicine

Version: 3
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Reviewer: Bu-Yeo Kim

Reviewer's report:

Major Compulsory Revisions

1. Authors should focus more on YZ constitution. What does the YZ constitution mean in terms of biological and physiological aspects? Any population can be scored on YZ constitution? Then why authors selected only type 2 diabetes population. Can authors obtain same result with normal population? In table 1, age and sex were associated with YZ constitution. Does this result mean the biased recruitment of samples?

2. The risk of rs7493 polymorphism on coronary artery disease has been known in normal population. Authors should explain the meaning of rs7493 polymorphism associated with YZ constitution in type 2 diabetes population.

3. If authors want to identify drug candidates against specific protein like PON2, experimental supports should be presented. Although all figures focused on this issue, only in silico result was presented here.

4. Analytical methods for GWAS should be explained in detail. How many SNPs were included in analysis? The p-values does not consider to be statistically significant in Table 2. Multiple adjustment result (FDR etc.) for GWAS was missing. What is the definition of nearest gene?

5. Many figures should be moved to supplementary figures.

6. Results and Discussion is too long. It should be concise.

Minor Essential Revisions

1. This manuscript is not the first report applying GWAS in TCM with large sample size. Refer to the following paper published in J Altern Complement Med. 2012;18(3):262-9.

2. English should be corrected in many sentences.

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

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