Author’s response to reviews

Title: Association of major dietary patterns and different metabolic phenotypes: A population-based study of northwestern Iran

Authors:

Leila Nikniaz (nikniazleila@gmail.com)
Mahdieh Abbasalizad Farhangi (abbasalizadm@tbzmed.ac.ir)
Jafar sadegh Tabrizi (tabrizij@tbzmed.ac.ir)
Zeinab Nikniaz (znikniaz@hotmail.com)

Version: 4 Date: 04 Nov 2019

Author’s response to reviews:

Dear Editor;

According to your suggestion, we perform factor analysis to determine the dietary pattern in two sex separately. However, due to low sample size in two groups (208 males and 296 females), we could not not extract the real dietary pattern because the Bartlett’s test of sphericity and the Kaiser-Meyer-Olkin measure shows sampling insufficiency. We calculate the sample size totally for males and females based on Gorsuch’s recommendation, with the ratio N: P 5 (N: minimum sample size; P: number of variables analyzed). As in the present study, "P" was 80(number of questions in FFQ), At least 400 patients were needed. Thus, by this study we could not calculate dietary pattern separately for males and females. It would be appreciated if you could accept the manuscript in its present form.

Sincerely Yours

Nikniaz