

# Review of: "Food Intolerance and Sensitivity Are Associated With Chronic Musculoskeletal Pain in a Self-Selected Community Population"

Yongning Wu

**Potential competing interests:** No potential competing interests to declare.

The authors investigated the association between chronic musculoskeletal pain and food intolerance and sensitivity with a self-reported survey. The results were over interpreted due to the oversimplified data analysis. It seems that the association is not well supported by the weak correlation coefficients.

In abstract section, please provide the exact value for significant p-value. It is very strange to say that  $p > 0.001$  shows significant association. The results should be also cautiously interpreted in consideration the small sample size and correlation coefficient  $r = 0.24, 0.38$  or  $0.15$ .

Please define the food sensitivity and intolerance in the introduction.

The description of "Design" is oversimplified with no specific details.

Please specify the non-parametric tests that used in the data analysis.

What did the U value reference here? It is difficult to believe that the correlation  $r$  is very low but the p value is significant. ( $r = .14, p = .004$ ;  $r = .12, p = .010$ ;  $r = .15, p = .002$ ). maybe the sensitive analysis is warranted.

The regression coefficient is very low, and the interpretation for regression results is very strange. Please specify the independent variable and depend variable.

Figure 1. It is hard to follow the meaning of this figure without further interpretation.

In discussion, it is not appropriate to say "this study demonstrated..." in a self-reported survey.