

Thank you for the opportunity to review this manuscript. Here are my comments:

General comments.

-Please request an English grammar check.

Abstract

-When the authors mention that subjects with T2D have 'decreased postural instability' they report central tendencies and, apparently, percentiles of the variable. Please clarify which statistic is being used (means and standard deviations or medians with percentiles), in addition to indicating the unit of measurement of the variable postural instability.

Introduction

-Line 63. The acronyms cVEMP and oVEMP are presented, but they are not previously associated with a concept. Although their conceptual definitions are indicated, it is not possible to determine a concept that derives from this acronym. Please clarify.

-Line 71. The authors mention that the association between vestibular dysfunction and DPN has not been previously investigated; however, in previous paragraphs they presented evidence that research has been conducted in this regard. Please clarify and revisit the approaches.

Methods

-Line 107. Please include more information on what measures of postural balance were used to describe the sample. Please also describe the procedure used to measure postural sway.

-Line 119. Please include more information on what protocol was followed for electrode positioning in the cVEMP. Also, please indicate the credentials of the person who placed the electrodes and if it was the same person for the entire protocol.

-Please provide more detail on what was considered valid through the ECM electromyogram. Also, detail how the EMG scaling was performed.

-Line 143. At this point, it is not clear to me what postural sway variable is being analyzed. Please clarify. This is critical to understanding the statistical analysis that was performed to determine the associations.

-Please indicate how ANOVA assumptions (normal distribution and homogeneity of variances) were guarded. Describe statistical tests used. Also, indicate what type of analysis of variance test was used. In this same context, I recommend that the authors report effect size measures in order to explain the power of their results.

-Were any sample size calculations performed? If not, please indicate the a posteriori power analysis that was performed on the sample size. It is important to know the power of the research.

Results

-Line 151. Please, revisit the concept 'heavier'.

-Table 1 and its legend seem confusing to me. If Kruskal-Wallis is applied to determine differences between the 3 categories, why is only a multiple comparison between diabetic subjects with and without neuropathy presented? Please clarify this point and review the analyses.

-It is not clear to me the procedure of first applying a test to determine the differences associated with 3 categories (healthy, diabetics without neuropathy and diabetics with neuropathy) and then presenting a new analysis only considering the diabetic groups. Please clarify this point in the statistical analysis section.

Discussion

-Correct acronym on line 191.

-The contribution of the paragraph between lines 195-200 is not clear to me. It seems to me that it lacks coherence with the results obtained in the research. Without context, it looks like a background paragraph that could fall perfectly in the introduction. Please revise.

-As a general comment, it seems to me that the discussion provided by the authors does not allow an explanation of the results obtained. I think that the statistical analysis should be better clarified. On the other hand, the objective of the research is presented as determining the association between the variables and the category of healthy, diabetic without neuropathy and diabetic with neuropathy, however, no statistical information is presented to account for this analysis.