

This manuscript is clearly stated, the research methodology used are appropriate, and the charts and figures are relevant to the content of the article. However, there are some issues that need to be modified.

Introduction:

Paragraph begins with no space.(line 44);

A blank page appears.(line 103);

The significance of Moderate to vigorous physical activity needs further; explanation. Balance skills not included in the FMS study scope need to be explained in the introduction.

Materials & Methods:

Although scoring criteria are included in the supplemental instrument , labeling and instructions are lacking in the content of the methods section.

Results:

The values of the mediation effect and the complete mediation effect obtained by the model should be explained in the table in the supplementary file;

Model 1-6 use may cause confusion, it is recommended to use the legend number, because all the analysis of mediation effect is Process model 4.

Discussion:

Paragraph begins with no space.(line 245);

In the first paragraph, whether the overall results of the study match the previous results needs to be explained rather than a direct conclusion.

It is recommended to add whether the actual sports participation in boys and girls in the study is consistent with the situation cited literature.(lines 261-263);

A repeated period appears in line 278;

A blank page appears.(line 337);

References:

Line 375 has duplicate year numbers. Please double check to make sure all references are meeting the journal standards.