Author’s response to reviews

Title: Rationale and methods of the MOVI-da10! study – a cluster-randomized controlled trial of the impact of classroom-based physical activity programs on children's adiposity, cognition and motor competence

Authors:

Mairena Sánchez-López (Mairena.sanchez@uclm.es)
Abel Ruiz-Hermosa (Abel.ruizhermosa@uclm.es)
Andrés Redondo-Tébar (Andres.Redondo@uclm.es)
María Eugenia Visier-Alfonso (Mariaeugenia.visier@uclm.es)
Estela Jimenez-López (Estela.Jimenezlopez@uclm.es)
María Martínez-Andres (Maria.martinezandres@uclm.es)
Montse Solera-Martínez (Montserrat.solera@uclm.es)
Alba Soriano-Cano (Alba.soriano@uclm.es)
Vicente Martínez-Vizcaíno (Vicente.Martinez@uclm.es)

Version: 3 Date: 30 Mar 2019

Author’s response to reviews:

Dear Editor,

Enclosed you will find a revised version of our manuscript, “Impact of a multicomponent physical activity intervention on cognitive performance: the MOVI-KIDS Study” (manuscript PUBH-D-18-04072R2). We would like to thank you for giving us the opportunity to revise our manuscript. Changes to the original manuscript are made and a clean version have uploaded. An itemized point-by-point response to the Editor’ comments is presented below.

Thank you for your attention in this matter.

Abel Ruiz-Hermosa
Editor Comments:
1. Overlap

We note that the current submission contains some textual overlap with other previously published works, in particular:

"Physical activity intervention (Movi-Kids) on improving academic achievement and adiposity in preschoolers with or without attention deficit hyperactivity disorder: study protocol for a randomized controlled trial" (2015) Trials. https://doi.org/10.1186/s13063-015-0992-7

This overlap mainly exists in the 'Confounding variables' and 'Family socio-economic status' sections of the methods section.

While we understand that this is work that you have previously published, and some of the same ideas are contained in this publication, please be aware that we cannot condone the use of text from previously published work. If appropriate, please rephrase sections of the methods and ensure your previous paper is cited in your manuscript.

Authors: Thank you for the comment. We have rephrased these two sections to avoid overlap. In addition, we have cited our previous article.

2. Please change the 'Main text' heading to 'Discussion'.

Authors: Done.

3. Consent for minors:

In your 'Ethics approval and consent to participate section of your Declarations, you state 'parents or tutors written consent for the participation of their children'. Please could you clarify whether written informed consent to participate was obtained from the parents/guardians of all minors included in this study (minors are considered anyone under the age of 16). If tutors provided consent for the participation of some of the children, please provide a reason why and state whether the ethics committee approved of this procedure.

Authors: We have modified the paragraph regarding the Editor's comment:
“The study protocol obtained a favorable evaluation by the Clinical Research Ethics Committee of the “Virgen de la Luz” Hospital, Cuenca (2016/Pl0216). The school boards approved the study and parents were asked to provide written consent for the participation of their children; in those cases, in which the children were not under the guardianship of the parents, the signature of the written consent was requested to the legal guardians, as detailed in the document approved by the Clinical Research Ethics Committee. In addition, schoolchildren gave their verbal consent when their collaboration was requested”.

4. Funding:
In the Funding section, please also describe the role of the funding body in the design of the study and collection, analysis, and interpretation of data and in writing the manuscript.

Authors: This project was selected in a competitive call from the Institute of Health Carlos III. This institution is the main Spanish Public Research institution depending on the Health Ministry, and its
main mission is to support the development of scientific knowledge in the health sciences and to contribute to innovation in healthcare and the prevention of disease (http://www.eng.isciii.es/ISCIII/es/contenidos/fd-el-instituto/quienes-somos.shtml). This Institute does not have any competence in the design of the study and collection, analysis, interpretation of data or writing the manuscript, it is only limited to selecting and financing research projects that are considered to be priority and relevant for the health of society.

5. Clean manuscript:

Please upload your manuscript as a single, final, clean version that does not contain any tracked changes, comments, highlights, strikethroughs or text in different colours. All relevant tables/figures/additional files should also be clean versions. Figures (and additional files) should remain uploaded as separate files.

Authors: Done.