Author’s response to reviews

Title: A biomechanical study of gait initiation in Down syndrome

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Author’s response to reviews:

Dear Prof. Brock Madsen,

Thank you very much for the opportunity to submit the revised version of the manuscript “A biomechanical study of gait initiation in Down syndrome” to BMC Neurology. We have thoroughly revised and modified the document according to Editor’s comments.

Attached please find our point-to-point reply to the issues raised by the Editor.

Do not hesitate to contact us for any further question.

Sincerely

Carolina Corsi
Veronica Cimolin
Paolo Capodaglio
Claudia Condoluci
Manuela Galli
Editor Comments:

1. In the Ethics approval and consent to participate subsection of the Declarations, please include the detail that patients and/or their parents provided written consent for participation, as noted in line 1 of page 8.

Authors Answer (A.A): We included the requested detail accordingly (page 18, line: 19-20)

2. While assessing your manuscript we found several instances where the text displayed overlap with other previously published works, in particular:


Overlap with this previously published source was found mainly in lines 14 – 18 of page 6.

A.A: We modified the sentence (page 6, line 13-16)

And


Overlap with this previously published work was found mainly in lines 11 – 14 of page 16.

A.A: We modified the sentence (page 6, line 12-13)

While we understand that you may wish to express some of the same ideas contained in these publications, please be aware that we cannot condone the use of text from previously published work. We would therefore be grateful if you could reformulate the aforementioned section of
your paper to resolve the overlap between your manuscript and other sources. Please ensure that, where relevant, these sources are also referenced as appropriate.

A.A: We followed your suggestion, as indicating in the previous answers.

If this study uses methodology from a previously published work, please provide a summarizing statement in the methodology together with a citation to the original paper.

A.A: We cited the original papers and we added that this methodology is according to literature (pag. 9 line: 5)

3. Please note that the Consent for publication statement refers to consent obtained to include any individual person’s data in any form (including individual details, images or videos). Therefore, please state "Not applicable" in this section as no personal information is provided in your manuscript. The statement regarding authors’ approval of the final manuscript should instead be included in the Authors’ contributions section of the Declarations.

A.A: We modified it accordingly (page 18, line 22; page 19, line 22)

4. The Availability of data and materials section refers to the raw data used in your study and presenting tables and figures is not sufficient to state that all data is contained within the manuscript and additional files. Please only use this statement if you have indeed provided all raw data on which your study is based. We strongly encourage all authors to share their raw data, either by providing it in a supplementary file, making it available on request to the authors, or depositing it in a public repository and providing the details on how to access it in this section. If you do not wish to share your data, please clearly state this in this section along with a justification. Data availability statements can take one of the following forms (or a combination of more than one if required for multiple datasets):

- The datasets generated and/or analysed during the current study are available in the [NAME] repository, [PERSISTENT WEB LINK TO DATASETS]

- The datasets used and/or analysed during the current study are available from the corresponding author on reasonable request.
• All data generated or analysed during this study are included in this published article [and its supplementary information files].

• The datasets generated and/or analysed during the current study are not publicly available due [REASON WHY DATA ARE NOT PUBLIC] but are available from the corresponding author on reasonable request.

• Data sharing is not applicable to this article as no datasets were generated or analysed during the current study.

• The data that support the findings of this study are available from [third party name] but restrictions apply to the availability of these data, which were used under license for the current study, and so are not publicly available. Data are however available from the authors upon reasonable request and with permission of [third party name].

• Not applicable. If your manuscript does not contain any data, please state 'Not applicable' in this section.

Please note that if you do wish to share your raw data and do not have consent from all patients to publish this data it will need to be de-identified.

Please also note that if you include your raw data as a supplementary file you will need to provide, after the References, a section titled “Additional files” where you list the following information about each of your supplementary files: * File name (e.g. Additional file 1), * Title of data, * Description of data. All additional files will also need to have been cited in the main manuscript.

A.A: We completed the section availability of data and materials according to your suggestion and the proposed options (Page 19, line: 2-3)
5 If two authors have the same initials, please distinguish between them by designating them with numbers 1 and 2. For example: CC1 and CC2. CC1 would correspond to the author furthest up on the author list.

A.A: We modified it accordingly (page 19, line 14-18)