Reviewer’s report

Title: Erosive Tooth Wear in Special Olympic Athletes with Intellectual Disabilities

Version: 0 Date: 06 Jun 2018

Reviewer: Denis Bourgeois

Reviewer's report:

Your subject is interesting, but with the disadvantage of being limited to a sample of which we have difficulty to evaluate the representativity. My advice would be, apart from the points highlighted below, to restructure the introduction and the discussion in relation to the NCCL vs. ID and more especially in athletes of good level (is this the case?).

Logically high-level athletes must have particular habits and energy needs?

Why have you set the maximum age of IDs at 25? What is the age limit for DS?

Line 88: Why not have cited the European study of Bartlett and Bourgeois?
88 - 94: Off topics in my opinion. We should reframe the introduction on "disabilities, sports, NCCL"

85: "the process remains important to encourage prevention": Please specify

They suggest that the consumption of acidic foods is one of the main etiological factors [1, 2, 6]: Be careful, it is not so simple. Abrasion occurs as co-factors, snacking, saliva quality (DS), etc..

"A unique opportunity": There are many other opportunities

"Do you have written consent?" Can you specify the term of legal guardian?

Line 133: Why this age selection for DS?

Line 135: How many subjects. No other exclusion criteria ?

Line 141-145: Not needed

Line 171: "Moreover, all the dental surfaces" By mistake, the BEWE index does not target the occlusal and interproximal surfaces?

Can you specify the term ID for non-DS topics?

Line 192: "age range 9-62". It's not correct. 9 to 15 years (or 17) should have been excluded

Please specify who is invited to SOSS?
Thank you for producing a socio-demographic table with number of teeth, caries, sex, GI, nationality, etc.

Line 335: "The detection of possible etiological factors through the use of a questionnaire was not performed"? Why?

Your discussion is too generic and should perhaps be interested in other studies bearing ID?

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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