Reviewer’s report

Title: Fat Soluble Vitamin Levels in Children with Newly Diagnosed Celiac Disease, A Case Control Study

Version: 0 Date: 13 Sep 2017

Reviewer: Federica Montanari

Reviewer's report:

There is an incongruity between what you report about vitamin D deficiency and insufficiency on table 4 and on pages: 2, 8 and 11 (the number of patients with vitamin D deficiency and insufficiency are mismatched).

There are few spelling mistakes.

On page 4 line 76 did you mean hyperthyroidism or hyperparathyroidism?

It is an interesting study on a stimulating topic.

It is good to define vitamin D deficiency as levels of 25(OH)D below 20 ng/ml and insufficiency as levels of 25(OH)D below 30 ng/ml whereas other studies used lower cut off.

The limitations of the study include collection of data from a single center and a small sample size of patients.

Future research should involve prospective multicenter trials with larger number of children from different countries, different climates and different genetic background, in order to assess the true incidence of fat-soluble vitamin deficiency in pediatric patients with celiac disease.

In the discussion it would have been interesting to mention:

- the influence of sunlight exposure on vitamin D levels (sunny and cold climates incidence on the study results)
- the several potential reasons suggested to explain the negative correlation between age and vitamin D levels in celiac patients.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
Yes

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

Are the conclusions drawn adequately supported by the data shown?
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