Reviewer’s report

Title: Diaper dermatitis: a survey of risk factors in Thai children aged under 24 months

Version: 1 Date: 25 Mar 2019

Reviewer: Stefanie Ziehfreund

Reviewer's report:

Dear authors,

The manuscript has been improved by the extensive revision and your methodological approach is better explained now. However, there are still some points worthy of improvement.

Methods:

1. You did an sample size calculation. Why don't you mention it in your methods? I would recommend to include this.

2. As I had recommended you now describe how missing data were addressed. Though, at the end of the results. However, it would go better in the methodological section or if you prefer, in the first section of the results.

Moreover, "This might affect the power of the test, however, the main possible risk factors were record completely." belongs to the limitation section not to the results.

Results:

3. In the third paragraph you describe the issue with the logistic regression performance and the different allergic diseases. The paragraph needs be shortened and in case it is relevant for you pick it up in the discussion e.g. as a perspective.

Discussion:

4. During your revision you changed the order of some paragraphs what leads to chronological mistakes in respect to your references. Moreover, you did not update the reference-numbers in the text after you included new literature.
5. Moreover, I still miss some references e.g. "This finding supports the fact that frequency of diaper changing every single time the baby has urination is important. During nighttime most parents may not have enough attentiveness to change diaper. This can cause prolong contact time between urine and skin on the diaper area. Thus, wetness and heat can be occurred when diaper has not changed for a long time. These are the major factors that cause skin irritation." or "In addition, the application of a large amount of talcum powder to moist areas can cause skin occlusion, which leads to further irritation. Some infants also have allergic reactions to these products, as most are not fragrance-free."

6. The discussion still reads very long and has the potential to be summarized at several points e.g. when talking about the talcum powder. Additionally, the discussion is really poorly written at many points and need extensive revision, including grammar, structure and references.

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?  
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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