Reviewer’s report

Title: Deflazacort: therapeutic index, relative potency and equivalent doses versus other corticosteroids

Version: 0 Date: 03 Sep 2016

Reviewer: Wissam Faour

Reviewer's report:

This paper describes the potential use of a dose conversion table to compare the dose of deflazacort that produces therapeutic effect similar to other known GC. Although such finding is clinically important, I have multiple concerns

1- The paper is better be a review than a research article

2- Particularly the activation of GR or MC in the human body do not rely only on the structure of the drugs, additional factors including the metabolism of the drugs by 11 beta-hydroxy dehydrogenase enzyme which then can affect the circulating concentration

3- The author need to show data that verify his hypothesis in this regard as comparison between dose done in different clinical trials may be important but not sufficient

4- Assuming that the calculation done by the authors is correct when considering data from different clinical trials, do these clinical trials include similar or different patient populations since difference in response can be attributed to patient characteristic (e.g., age,…), drug-drug interaction, but not only the dose itself

5- My recommendation is the author need to perform a meta-analysis to assess the dose of the drug and its therapeutic effectiveness with respect to other GC

6- In table 3 what does the "0" value means, is it not applicable, if so then better to N/A rather than a "0" value when applicable
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.
No

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.
No

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 recommend additional statistical review

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