Reviewer’s report

Title: Therapeutic effect of vasoactive intestinal peptide on form-deprived amblyopic kittens

Version: 0 Date: 20 Jun 2019

Reviewer: Helena Lee

Reviewer's report:

I enjoyed this manuscript and I have a few suggestions to improve its quality and presentation.

1. In the introduction, I would like to see more details describing if the neurotransmitters involved in visual development are decreased or increased and what the normal pattern of expression should be during development (i.e. do they increase and peak during normal development or are they at a constant level of expression). This is particularly important for VIP.

2. It would be good to illustrate the deprivation procedure using a schematic diagram.

3. I was unclear what Sefsol was until much later in the manuscript. It would be advisable to explain what this is much earlier in the manuscript otherwise, a reader could think that this is an alternative treatment as opposed to being the solvent being used to deliver the VIP solution.

4. It would be good to illustrate the VEP results by showing the mean +/- SEM VEP waveforms for each of these groups side by side on the same scale, in order to facilitate a visual comparison of the results.

5. Were there any side effects or evidence of toxicity in the treated kittens? This would be important to include in the results.

6. Would recommend labelling each panel with the group subtype so that it is easier for the reader to interpret.

7. Some minor language correction is needed. I have attached an annotated version of the manuscript with the errors that I have spotted highlighted. Please check for any others.
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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