

Format for ANSWERING REVIEWERS

December 22, 2014



Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 14495-review.doc).

Title: Review of allergic contact dermatitis: Scratching the surface

Authors: Gil S. Weintraub, Isabella Nga Lai, Christina N. Kim

Name of Journal: *World Journal of Dermatology*

ESPS Manuscript NO: 14495

We appreciate the feedback from both reviewers and have worked to incorporate the suggested changes. We believe the revised manuscript is substantially improved. Responses to each comment are itemized below. We appreciate your continued consideration of this manuscript for publication in the *World Journal of Dermatology*.

1 - Format has been updated, with section headings capitalized in accordance with journal formatting.

2 - Revisions have been made according to the suggestions of reviewers 1 and 2.

Reviewer One:

1) On page 2, abstract, Line 3 "Type II delayed hypersensitivity"

Response: This was a typo and has been changed to "type IV delayed hypersensitivity" per reviewer one's line edit.

2) Page 9, histology section, second paragraph, line 3 of patch test section: 'food and drug administration"

Response: "Food and Drug Administration" has been capitalized per recommendation of reviewer one.

We would like to thank reviewer one for taking the time to read our article, recommending edits, and the kind review.

Reviewer Two:

1) "Authors describe in a different way ACD, i.e. Abstract "ACD is a classic example of a type II delayed-type hypersensitivity reaction..." Introduction "In contrast, ACD is an example of type IV delayed-type hypersensitivity..." correct it please."

Response: Please see Revision 1 under Reviewer one section above. This correction in the abstract is now consistent with the definition and descriptions provided throughout the rest of the article.

2) "What do the authors mean with 'Our current understanding of the pathophysiology of ACD is primarily based on experimental animal models for

ACD.[11],’ explain it, please, what kind of experimental models and what results were found to be present.”

Response: The initial drafts of this paper included an extended discussion about animal studies and findings regarding the temporally and spatially dissociated phases of sensitization, elicitation, and inflammatory regulation as part of the framework of ACD. It was deemed unnecessarily technical and not directly relevant to the clinical understanding of ACD, thus a detailed review was not considered appropriate for the goals of this paper. However, in light of Reviewer Two’s request we have restructured the “Mechanism of ACD” section to include a more detailed, though admittedly limited, description of the contact hypersensitivity model and relevant findings regarding sensitization, elicitation, and inflammatory regulation. These additions are highlighted under the “Mechanism of ACD section.” The sub-section title “Contact Allergen Characteristics” has been removed. Please see the pages 4-6 for revisions.

3) “Patients with self-reported history of dermatitis and filaggrin mutations have an increased risk of both irritant and allergic contact dermatitis.[12]”, what is the “increased risk?”

Response: Visser et al. 2012 found a 4 to 7 fold increase risk of developing contact dermatitis in patients with history of atopic dermatitis and filaggrin mutations. The sentence now reads: “Patients with self-reported history of atopic dermatitis and filaggrin mutations have an increased risk, four to seven fold, of developing contact dermatitis.[12]” It has been highlighted and placed at the end of the second paragraph in the “Mechanism of ACD section.”

4) “Management and Conclusion should be shorter and described succinctly.”

Response: We agree that the management and conclusion section could be streamlined and have removed redundancies and revised the text to read easier. However, a goal of this paper was to include a thoughtful review of management strategies and thus we kept in a significant portion of the content from the management section. The conclusion has been shortened to a single paragraph review of ACD diagnosis and management strategies and a single paragraph on areas for future research.

We would like to thank Reviewer Two for taking the time to read our article, and provide thoughtful comments. We hope the revisions provided are sufficient to answer outstanding questions or concerns.

3 - References and typesetting was left the same, in accordance with Journal requirements. Thank you again for the thoughtful edits and consideration of our manuscript for publication in the *World Journal of Dermatology*.



Sincerely,

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