Reviewer’s report

Title: Primary Failure of Eruption (PFE): A Systematic Review

Version: 0 Date: 24 Dec 2017

Reviewer: Bilal Al-Nawas

Reviewer’s report:

The headline is concise and hits the topic and the type of the article.

The summary describes the systematic review sufficient and focused on a consistent conclusion.

The background is limited to a descriptive definition and associated pathophysiological mechanisms of this rare disease are lacking. Type I-III is described rather briefly and might be more consistently taken up in the preparation of the data. Based on the rarity of the disease, the concise categorization and definition as the basis of a systematic algorithm is acceptable.

The genetic context is only briefly touched on. So the aim of this systematic literature review could be better explained, and might lead to a better genetic understanding and correct diagnosis in future.

The method of literature review is based on two proven databases and valid keywords. The exclusion criteria and the selection of contributions included and excluded are stringent in view of the rarity of the disease.

The presentation of results might be structured a little bit more convenient to read, but follows consistently the previously established system. The corresponding table would be better not sorted chronologically but according to the degree of fulfillment of the (5) inclusion criteria

In the discussion, the statements on the evidence of the selected articles could be more critical and clear. The comparison of the results with the systematic review by Ahmad et al. in 2006 is conclusive and concise. The discussion of genetic and non-genetic factors is sufficient in the context of a review. However, a more critical investigation of the clinical and radiological verifiability of the findings might be appropriate.

The conclusion for the diagnostics and treatment options with regard to the individual circumstances are stringent.

The list of literature is small but consistent with the logic of a systematic review of a rare disease.

Level of interest
Please indicate how interesting you found the manuscript:
An article of importance in its field

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