Reviewer's report

Title: Yersinia pseudotuberculosis infection in Kawasaki disease and its clinical characteristics

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Reviewer: Masaki Shimizu

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In this interesting submission, authors demonstrated KD patients with YPT infection have cardiac sequelae (CS) more frequently. Furthermore, they found the treatment protocol with RAISE study could not decrease the frequency of CS. It is generally well-written, but there are some points that need further explanations.

Major point

As authors described, the limitation of this study is sample size. In particular, the number of the patients with CS is too small, only 3. Therefore, in my opinion, it might be difficult to conclude KD patients with YPT infection have CS more frequently and the treatment protocol with RAISE study did not decrease the frequency of CS. It is necessary to perform larger-scale studies to confirm their data and draw firm conclusions.

Other points

It might be better to discuss the reason why KD patients with YPT infection have CS more frequently.

It might be better to discuss the role of YPT in the pathogenesis of KD. Previous studies revealed KD is closely associated with the activation of the innate immune system. Interestingly, recent study showed KD specific molecules in the sera are linked to MAMPs in the biofilms of some microbes including YPT (Kusuda T et al. PLOS ONE 2014;9:e113054).

Page 2

Line 24 was the repetition of line 22 and superfluous.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
'I declare that I have no competing interests'