Reviewer's report

Title: Cardiopulmonary involvement in Puumala hantavirus infection

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Reviewer: David Safronetz

Reviewer's report:

The manuscript by Rasmuson and others comprehensively examines cardiopulmonary involvement in patients with acute Puumala virus infection. This topic is of considerable interest in the hantavirus field and this manuscript provides important information that advances the clinical picture of NE cases. The manuscript is well written and the conclusions drawn are in-line with the author’s results. I have only a few minor comments and suggestions for this paper, which I would classify as discretionary revisions.

1. In the methods section there is a statement that 21 patients were considered healthy. How can a patient who has been admitted to a hospital for an acute infection be considered healthy? I think what the authors are suggesting is that these 21 patients had no underlying health conditions. This should be clarified.

2. It seems that the one patient with hypertensive heart failure and chronic obstructive pulmonary disease was excluded from the many of the vital tests which this study was designed to utilize. To me, this patient should be screened out and lower the overall study size to 26.

3. You should consider commenting on why only 26 patients received follow up evaluation. What happened to the other patient?

4. When reporting the results of lung function and high-resolution computed tomography, it would be helpful to indicate the number of patients evaluated by each test (similar to how the ECG data is presented). Although this information is provided in the table, it would be helpful to have it in the text as well.

Level of interest: An article of importance in its field

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'