Reviewer's report

Title: Clinical Significance of Newly Formed Cystic Lesions for the Development of Pneumomediastinum in Pneumocystis jirovecii Pneumonia

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Reviewer: prakash mohan P jeena

Reviewer's report:

Major compulsory revisions
the 2 cases presented by the authors make interesting reading and are useful to highlight a rare but serious complication of PCP infections that has been described before. For greater clarity and usefulness the authors need to attend to the following:
1. the management of pneumomediastinum should be discussed for both cases and in the discussion
2. the criteria for change of therapy for P. Jirovecii needs to be discussed. Why was the TMP/SMZ not changed earlier when an presumed adverse effect of pancytopaenia was detected
3. the search for secondary nosocomial pathogens should be mentioned. Could the cystic lesions be due to Staphylococcus infection in the second case
4. the use of HAART during the acute phase of infections requires explanation. Could this have contributed to the adverse outcome in the first case.
5. the call for a study for a rare complication is unjust unless the authors can provide information on the incidence of this complication in all PCP patients. 2 cases are rare if there is a large denominator of cases but may be common if only a few cases of PCP are seen

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