Reviewer's report

Title: Isolated pulmonary valve infective endocarditis in a middle aged man caused by Candida albicans: A case report

Version: 1
Date: 16 August 2014

Reviewer: Chor Cheung Tam

Reviewer's report:

The authors described a case report of a patient with isolated pulmonary valve endocarditis caused by Candida albicans. Patient was apparently managed with antifungal alone successfully. The clinical condition is extremely rare and the author rightly point out that in patient with persistent Candidaemia and pneumonia (especially multilobar involving both lungs), a detailed search for right sided endocarditis is mandatory.

However, there are several points I would like the authors to clarify to improve the paper

1. Is the patient an active intravenous drug user?

2. What s the cause of the severe leucopenia? Is it due to sepsis alone or other cause? What is the trend of the white cell count?

3. Any trend on any inflammatory markers eg C reactive protein?

4. The blood culture was positive for Candida on day 12 after admission while the initial blood cultures were negative. Since the patient was admitted to ICU at the very beginning, had the patient received any central venous catheter? If he had, any culture performed to the central venous catheter?

5. The patient was managed medically alone and it seemed successful. Generally, Candida endocarditis is managed surgically as the biofilm is antifungal resistant and persistent candida vegetation remains a source of infection and embolisation which is even more of a problem in left sided endocarditis. The author can have a short discussion for this point and this patient has a pulmonary valve endocarditis and what are the signs of medical treatment failure which necessitate surgical intervention, eg persistent fungemia, new lung consolidation etc

Level of interest: An article of limited interest

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