Reviewer's report

Title: Periprosthetic-knee infection by Mycobacterium bovis and Candida guilliermondii in the context of a zoonosis: A case report and literature review

Version: 0 Date: 23 Dec 2018

Reviewer: Namaha Raman

Reviewer's report:

1. Do you believe the case report is authentic?

Yes/No

Yes

2. Do you have any ethical concerns? Please consider if local Institutional Review Board approval or ethical approval was obtained (if appropriate) and if the patient (or their parent or guardian in the case of children under 18) gave written, informed consent to publish this case and any accompanying images. A statement to this effect should appear in the manuscript.

Comments: No

3. Does the Introduction explain the relevance of the case to the medical literature?

Yes/No

Yes

4. Does the article report the following information? Where information is missing, please specify.

a. The relevant patient information, including:
   - De-identified demographic information (age, gender, ethnicity)
   - Main symptoms of the patient
   - Medical, family and psychosocial history
   - Relevant past interventions and their outcomes

b. The relevant physical examination findings

c. Important dates and times in this case (if appropriate, organized as a timeline via a figure or table); if specific dates could lead to patient identification, consider including time relevant to initial presentation, i.e. initial presentation at T = 0, follow up at T = 1 month. Largely, they do but it is missing in some places
d. Diagnostic assessments, including:
    - Diagnostic methods
    - Challenges (e.g., financial, language/cultural)
    - Reasoning and prognostic characteristics (e.g., staging), where applicable

e. Types and mechanism of intervention

f. A summary of the clinical course of all follow-up visits

Comments:

5. Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?
   Comments: The conclusions can be stated more clearly and include more information. (See additional comments to the authors below)

6. Is the anonymity of the patient protected? Please consider any identifying information in images such as facial features or nametags, whether the patient is named etc. If not, please detail below.
   Yes/No
   Yes

7. Is the Abstract representative of the case presented?
   Comments: Yes

8. Does the case represent a useful contribution to the medical literature?
   Comments: Yes

9. Additional comments for the author(s)?

   The study reports a first case of the co-occurrence of Mycobacterium bovis and Candida guilliermondii infection in Periprosthetic-knee, each of which, based on literature, is individually extremely rare/nonexistent when associated with Periprosthetic-knee. So this is a unique case. The authors do a good job of laying out the sequence of events and corresponding action taken.
I have the following additional comments:

1. In line 38, the authors may want to edit "no further" that is written twice in the abstract.

2. Can the authors elaborate on what were the culture methods used for detecting the presence of M. bovis and C. guilliermondi. Were these methods also done in the earlier one-stage knee replacement?

3. The authors conclusions are very terse and does not do justice to the rest of their study. Authors should give a better and more detailed conclusion (For example, their "conclusion" section of the abstract gives a better explanation and conclusion than their final conclusion).

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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Were you mentored through this peer review?

Yes: Venkataramana Kandi (K V Ramana)