Reviewer's report

Title: A case of native valve endocarditis caused by Burkholderia cepacia without predisposing factors

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Reviewer: M Carmen C Farinas

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The authors present a case of native valve infective endocarditis with cerebral involvement caused by Burkholderia cepacia in a patient without predisposing factors and that was successfully treated with antibiotics.

Major Compulsory Revisions

1. Background: “formerly Pseudomonas cepacia” could be deleted. It has been many years since Burkholderia cepacia it is not known as Pseudomonas cepacia

2. Case report:
   It will be important to describe how long the patient was hospitalized in the local hospital before she was transferred for further evaluation…. Could be a central venous catheter inserted in the first hospital the source of Burkolderia cepacia infection?

   Which criteria the authors used to know if Burkholderia cepacia was sensitive or resistant to different antibiotics?. The authors do not show the antimicrobial susceptibility to trimethropin-sulfametoxazol.

   It will be interesting to know if the patient had performed an echocardiogram at the end of antibiotic treatment.

3. Discussion:
   The explanation to treat the patient with ceftazidime was “….ceftazidime was administered to our patient because of cerebral involvement”. Why not trimethoprin-sulfametoxazol treatment? TMP-SMX has reliable CNS penetration.

Minor Essential Revisions

Reference 14: need to add the year of publication

Discretionary Revisions

An article on prosthetic valve endocarditis secondary to Burkholderia cepacia is included

Level of interest: An article of limited interest
**Quality of written English:** Not suitable for publication unless extensively edited

**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'