Reviewer’s report

**Title:** Group B Streptococcus Tricuspid Endocarditis Presenting with Joint Pain in a 30 year-old Post-partum Woman

**Version:** 1  **Date:** 13 February 2012

**Reviewer:** Woei Bing Poon

Which of the following best describes what type of case report this is?: Unexpected or unusual presentations of a disease

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: No

Will the case report make a difference to clinical practice?: Yes

Is the anonymity of the patient protected?: Yes

**Comments to authors:**

1. Please provide the units of measurement of all values submitted. For instance, the platelet level.

2. Please elaborate on the type of broad spectrum antibiotics given, the duration as well as the response to treatment of the patient.

3. What "numerous further investigations" were done? The authors should be more specific and avoid statements which are too general to be informative.

4. In this report, which is about infection, it is imperative to state microbiological results including the culture results and what are the types of cultures sent, with the sensitivity and MIC. Was there any subtyping of the GBS?
5. Presumably, the patient became delirious due to sepsis. The authors should state the cause in the manuscript. Was a lumbar puncture performed? What were the results?

6. In addition to stating that sepsis/infection can be a presentation of arthritis/autoimmune conditions, the authors will also need to educate the readers that malignancies may also present this way. These are the "red flags" that physicians should look out for.

7. When we state that the GBS is due to "pregnancy", the authors should be more specific. This is more likely due to chorioamnionitis. The authors will need to go back to the history to state whether there was fever, abnormal per vaginal discharge, vaginal swab positivity in the antenatal/perpartum period.

8. In the conclusion, the authors stated that the GBS endocarditis is due to the "episiotomy" scar. No evidence of this was given in the case report.

9. The figure 1 table on investigations need to have units of measurement as well as the timing in relation to the presentation stated.

10. The figure of the TEE should also be labelled to state where the vegetation is and label the tricuspid valve

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare I have no competing interests.