Reviewer's report

**Title:** Clinical and microbiological characteristics of bloodstream infections due to AmpC beta-lactamase producing Enterobacteriaceae: An active surveillance cohort in a large centralized Canadian region.

**Version:** 3  
**Date:** 17 August 2014

**Reviewer:** Zeina Kanafani

**Reviewer's report:**

This is a prospective analysis of bloodstream infections due to AmpC beta-lactamase producing Enterobacteriaceae (AE) in a large Canadian region. Researchers concluded that Enterobacter spp is the most common AE causing bloodstream infections. Lack of therapy was associated with increased mortality.

**Major Compulsory Revisions:**

1- In the Introduction, the significance of the problem is not well stated. It would be important to make reference to studies from Canada regarding the prevalence and impact of AE.

2- The Results section (particularly the Outcomes subsection) is not very clear to the reader and is confusing. I suggest to either delete some of the details or to summarize them in a table format.

**Minor Essential Revisions:**

1- The authors found that Enterobacter is the most common AE causing BSI. This is not consistent with major literature reviews showing E. coli and Klebsiella spp to be more common. It would be important to comment on this discrepancy.

**Discretionary Revisions:**

1- The discussion section can be made more concise.

**Level of interest:** An article of importance in its field

**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.