Reviewer's report

Title: Epidemiology, associated factors and outcomes of ICU-acquired infections caused by Gram-negative bacteria in critically ill patients: an observational, retrospective study

Version: 3 Date: 9 March 2015

Reviewer: Christopher Tainter

Reviewer's report:

As presented, this is useful data with regard to risk factors and epidemiology for gram-negative infections in the ICU. It is, however, not particularly novel as pointed out in your discussion.

What I do think is the interesting message from your data, is the risk associated with antifungal prophylaxis. Although it is not possible to suggest causation based on several potential confounders (e.g. severity of illness), I would consider changing the focus to exploration of this area earlier in the discussion.

Major Compulsory Revisions: none

Minor Essential Revisions:

The abstract needs significant revision for English grammar
Line 33: Diagnosis was MADE or DETERMINED (not DONE)
Line 129: space after 50%
Line 142: typo 65.2%, not 65,2%
Line 160: replace "on" with "against"
Line 221: add "although this study may have been underpowered to detect such a difference."
Line 239: comma instead of period
Table 3: inconsistent use of commas as decimal places

Discretionary Revisions:

Line 97-101: It would be more useful to present this data as risk factors rather than (or in addition to) descriptive statistics. For example, "_% of patients admitted for surgical treatment developed gram negative infections, while _% of non-surgical patients developed infections."

Level of interest: An article of limited interest
Quality of written English: Needs some language corrections before being published

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