Reviewer’s report

Title: Molecular Characterization and Epidemiology of Carbapenem Non-susceptible Enterobacteriaceae Isolated from the Eastern Region of Heilongjiang Province, China

Version: 0 Date: 21 Mar 2018

Reviewer: Matthaios Papadimitriou-Olivgeris

Reviewer's report:

The present article presents the epidemiology of carbapenem non-susceptible Enterobacteriaceae in an eastern region of China from 2015 to 2017 with predominance of KPC-producing isolates.

Major issues

Since you included isolates with non-susceptibility to carbapenems you should change the "carbapenem resistant Enterobacteriaceae" to carbapenem non-susceptible.

A limitation paragraph is needed.

Minor issues

Substitute "carbapenem antibiotics" by "carbapenems"

Define abbreviations at their first mention (like KPC, NDM, ESBL, MHT, mCIM, etc)

Add the duration of the study in the first sentence of the Methods

Include the types of statistic tests used in the present study

I believe the term used "recovered" in Table 2 can be substituted by "survived"

The mention of the mortality rate in the "mCIT and MHT" paragraph is not appropriate

Transfer the phrase "3 patients were excluded, including … in-patients" from the first paragraph of the Discussion to Results

Delete the mention of the aims from the first paragraph of the Discussion

Did you do colistin and tigecycline susceptibility testing. Since they remain the last treatment options the resistance rate against these antibiotics is important.
The seven paragraph of the Discussion (starting as" At the start of the epidemic…) should be shorten to include only pertinent information

You do not discuss infection control practices

Did you do active surveillance of high risk patients

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

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

Needs some language corrections before being published

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