Reviewer’s report

Title: Risk Factor Analysis of Device-related Infections: Value of Re-sampling Method on the Real-World Imbalanced Dataset

Version: 2 Date: 05 Jul 2019

Reviewer: Hansi Zhang

Reviewer's report:

This paper talks about author's experience on resampling of the imbalanced Device-related Infections (FRI) dataset. The study is well-motivated and the result is well-presented. The authors has made a lot of efforts on revisions. I only have a few small comments as listed below:

(1) The methods used in this paper to re-sample the imbalanced data is presented. However, as mentioned that imbalanced data problem occurs frequently in biomedical data. How others people deal with imbalanced data? What method do they use? What's the benefits of using the study method? More discussion on related work is needed.

(2) Page 12 line 34 to page 13 ling 9. I wonder if the description of re-sampling would fit better in methods than discussion?

(3) When discussing the limitation of the work, what's the possible solutions for the further work?

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:

Acceptable

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