Reviewer’s report

Title: Applying data mining techniques to improve diagnosis in neonatal jaundice

Version: 2 Date: 27 May 2012

Reviewer: Reiji Teramoto

Reviewer’s report:

The current manuscript is not acceptable, and I recommend the major revision.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

The authors collected the data sets for evaluating the predictive performance with great efforts, and then they have applied the several types of supervised learning methods, e.g, J48, neural networks.

The classification accuracy has been improved compared with the traditional methods.

The final results will contribute to the diagnosis and appreciated.

However, the descriptions of clinical parameters and the discussion about the results are very poor and are not almost described.

Therefore, the current manuscript is not acceptable, and it needs the major revision.

I strongly recommend the authors to read the below paper as a good example for revise the whole manuscript.


http://www.plosntds.org/article/info:doi/10.1371/journal.pntd.0000196