Reviewer's report

Title: An evidential reasoning based model for diagnosis of lymph node metastasis in gastric cancer

Version: 3 Date: 29 July 2013

Reviewer: Adrian Barbu

Reviewer's report:

The paper is in much better shape than the first version. There are a few major compulsory revisions that need to be addressed to make the work more reproducible and the importance of ER more clear:
- The AUC on the training set for all methods should also be provided in Table 3
- SVM can easily overfit the training set. The authors should provide results with SVM-polynomial of degree 2,3,4 and also report the parameters used to train the SVM- Gaussian and the ANN.
- The authors should make it clear in the "Model" column of table 3 that the radiologist uses LN size for diagnosing LNM.

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

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.