APPENDIX 6

VALIDATION RESULTS-HNFS

Twenty subjects (10 cancerous and 10 normal) are taken for validation and the following observations are made using HNFS for the prediction of lung cancer based on the observed symptom values.

True Positive (TP) = 10
False Positive (FP) = 01
True Negative (TN) = 09
False Negative (FN) = Nil

The performance measures are reported as

Sensitivity = TP/(TP+FN) x 100 = 100%
Specificity = TN/(TN+FP) x 100 = 90%
Accuracy = (TP+TN)/(TP+FP+TN+FN) x 100 = 95%