Table 4 Comparison of logistic regression and ANN by area under the ROC curve

Models	Sensitivity	Specificity	Accuracy	Area	SE	Asymptotic significance	Asymptotic 95% CI	
							Lower boundary	Upper boundary
ANN	3.9%	99.5%	83.9%	0.717	0.026	< 0.001	0.666	0.768
Logistic regression	7.1%	99.1%	85.4	0.726	0.025	< 0.001	0.676	0.776

ANN = artificial neural network; CI = confidence interval; ROC = receiver operating characteristic; SE = standard error.