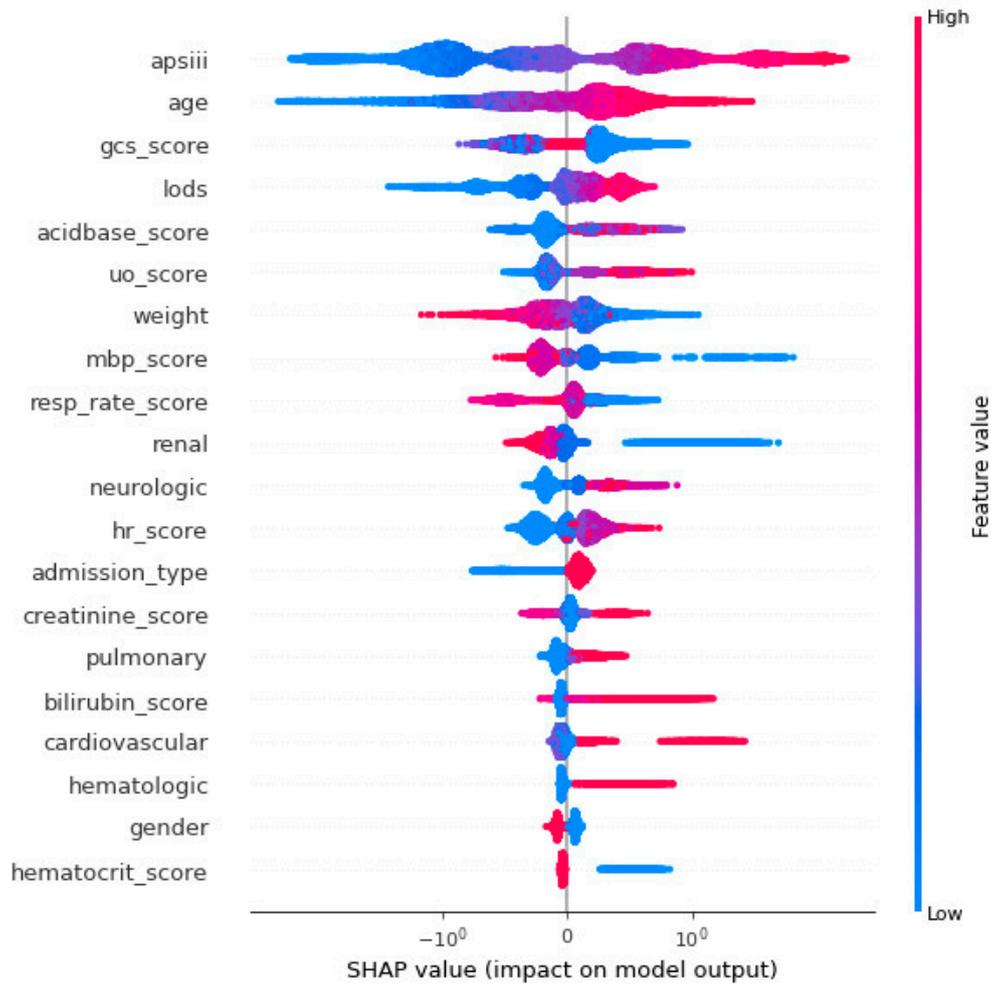


Supplementary Figure S1 ROC curves of training dataset (A) and testing dataset (B)



Supplementary Figure S2 SHAP values importance of all features in the Xgboost model

Supplement Table S1 Hyperparameter values of models

Models	Hyperparameters	Values
XGBoost	Learning rate	0.1
	Maximum tree depth	3
	Minimum sum of instance weight	1
	The subsample ratio of columns	0.8
	Subsample	0.8
SVM	Number of trees	380
	Kernel	linear
Logistic Regression	Penalty parameter of the error term	9
	Solver	liblinear
	Penalty	L2
Decision Tree	Maximum tree depth	5
	The minimum samples required to split an internal node	2
	The minimum samples required to be at a leaf node	10