Supplementary

Table S1 Laboratory features included in the models

Laboratory values
Sodium
CO2
Calcium
WBC
Albumin
Alkaline phosphatase
Ionized calcium
Hemoglobin
25 Vitamin D
Chloride
Creatinine
Glucose
AST
Total protein
Phosporus
Intact PTH
Hematocrit
1,25 Vitamin D
Potassium
BUN
Anion gap
ALT
Total/direct bilirubin
Magnesium
TSH
Platelets
Urine calcium

Table S2 Performance of all screened model architectures

Model	Result		Cancelation	
	Median AUC_{ROC}	95% CI	Median AUC_{ROC}	95% CI
XGBoost	0.85	0.82–0.87	0.64	0.59–0.68
Random forest	0.85	0.82–0.86	0.61	0.56–0.70
Multi-layer perceptron	0.84	0.81–0.86	0.62	0.58–0.67
Naïve Bayes	0.81	0.79–0.82	0.61	0.61–0.71
Support vector machine	0.79	0.78–0.80	0.58	0.52–0.66
Logistic regression	0.79	0.75–0.82	0.61	0.57–0.66

AUC_{ROC}, area under the receiver operating characteristic curve; CI, confidence interval.