

Table S1 Ablation study of the segmentation of pulmonary artery and clots

Models	Two-stage segmentation	Add false positive classifier	AUC of internal validation set
Model 1	–	–	0.916
Model 2	√	–	0.948
Model 3	√	√	0.972

Model 1 (without two-stage segmentation and false positive classifier) shows AUC of 0.916; Model 2 (with two-stage segmentation and without false positive classifier) shows AUC of 0.948; Model 3 (with two-stage segmentation and false positive classifier) shows AUC of 0.972 as our final model. AUC, area under the curve.