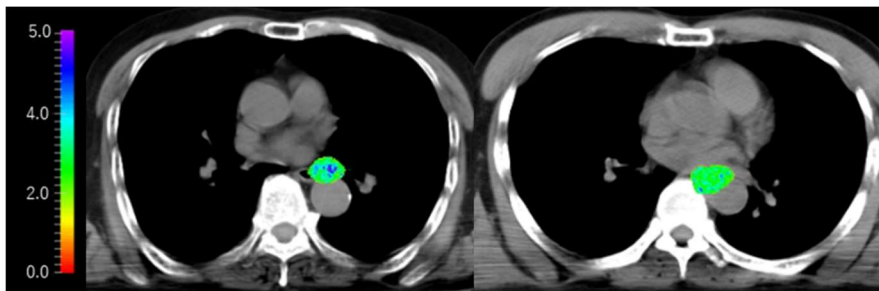
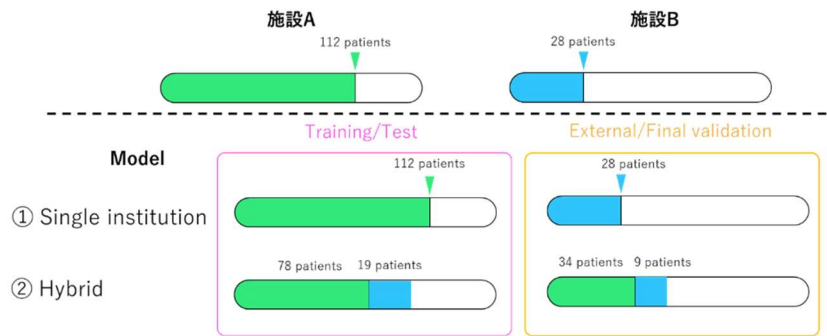


NEWS RELEASE





① Single institution

② Hybrid

① Single institution					② Hybrid				
(CT)	External test				(CT)	External test			
	Sensitivity	Specificity	Accuracy	AUC		Sensitivity	Specificity	Accuracy	AUC
Decision tree	46.2	54.3	53.1	0.50	Decision tree	65.3	76.9	70.1	0.67
SVM	63.6	66.7	65.2	0.65	SVM	75.0	78.9	77.0	0.77
kNN	57.1	66.7	61.9	0.62	kNN	68.8	100.0	84.4	0.76
Ensemble	55.6	75.0	65.3	0.63	Ensemble	72.0	77.8	74.9	0.74
NN	66.7	64.7	65.4	0.62	NN	70.0	69.6	69.8	0.68
External test					External test				
(PET)	Sensitivity	Specificity	Accuracy	AUC	(PET)	Sensitivity	Specificity	Accuracy	AUC
Decision tree	50.0	50.0	50.0	0.50	Decision tree	57.7	82.4	70.0	0.70
SVM	58.8	77.8	68.3	0.67	SVM	57.1	86.7	71.9	0.76
kNN	62.5	80.0	71.3	0.70	kNN	58.3	78.9	68.6	0.70
Ensemble	56.3	70.0	63.5	0.63	Ensemble	57.7	82.4	70.0	0.70
NN	83.1	73.4	78.0	0.78	NN	94.4	80.0	86.0	0.83
External test					External test				
(Dose)	Sensitivity	Specificity	Accuracy	AUC	(Dose)	Sensitivity	Specificity	Accuracy	AUC
Decision tree	38.9	37.5	38.2	0.40	Decision tree	52.4	59.1	55.7	0.56
SVM	47.1	55.6	51.3	0.51	SVM	71.4	77.3	74.4	0.74
kNN	61.5	69.2	65.4	0.65	kNN	66.7	72.7	69.7	0.70
Ensemble	44.4	50.0	47.2	0.48	Ensemble	76.2	81.8	79.0	0.79
NN	58.3	85.7	72.1	0.76	NN	73.0	54.2	61.5	0.80

