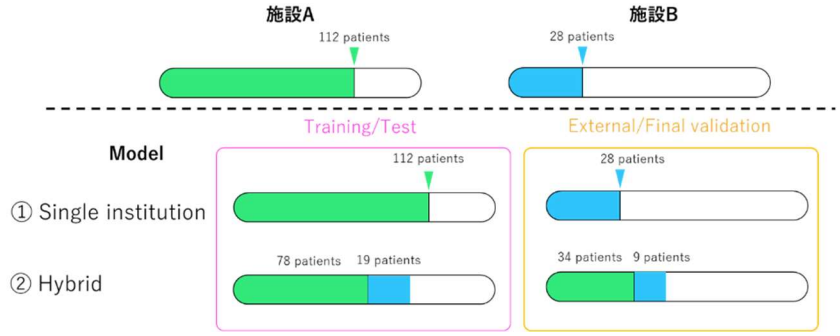
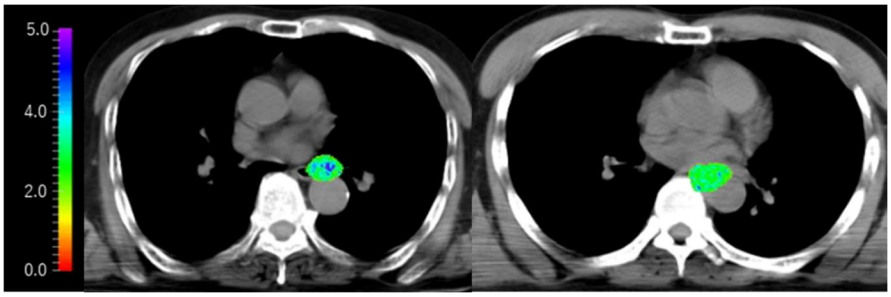
NEWS　RELEASE





① Single institution

(CT)	External test			
	Sensitivity	Specificity	Accuracy	AUC
Decision tree	46.2	54.3	53.1	0.50
SVM	63.6	66.7	65.2	0.65
kNN	57.1	66.7	61.9	0.62
Ensemble	55.6	75.0	65.3	0.63
NN	66.7	64.7	65.4	0.62

(PET)	External test			
	Sensitivity	Specificity	Accuracy	AUC
SVM	58.8	77.8	68.3	0.67
kNN	62.5	80.0	71.3	0.70
Ensemble	56.3	70.0	63.1	0.63
NN	**83.1**	**73.4**	**78.0**	**0.78**

(PDose)	External test			
	Sensitivity	Specificity	Accuracy	AUC
Decision tree	38.9	37.5	38.2	0.40
SVM	47.1	55.6	51.3	0.51
kNN	61.5	69.2	65.4	0.65
Ensemble	44.4	50.0	47.2	0.48
NN	58.3	85.7	72.1	0.76

② Hybrid

(CT)	External test			
	Sensitivity	Specificity	Accuracy	AUC
SVM	75.0	78.9	77.0	0.77
kNN	68.8	100.0	84.4	0.76
Ensemble	72.0	77.8	74.9	0.74
NN	70.0	69.6	69.8	0.69

(PET)	External test			
	Sensitivity	Specificity	Accuracy	AUC
SVM	57.1	86.7	71.9	0.76
kNN	58.3	78.9	68.6	0.70
Ensemble	57.7	82.4	70.0	0.70
NN	**94.4**	**80.0**	**86.0**	**0.83**

(PDose)	External test			
	Sensitivity	Specificity	Accuracy	AUC
Decision tree	52.4	59.1	55.7	0.56
SVM	71.4	77.3	74.4	0.74
kNN	66.7	72.7	69.7	0.70
Ensemble	76.2	81.8	79.0	0.79
NN	73.0	54.2	61.5	0.80