

Additional file 3

Table S2 Power of serial CT and PET/MRI parameters to predict progressive disease

	Cut-off (%)	Sensitivity % (N)	Specificity % (N)	PPV % (N)	NPV % (N)	Accuracy % (N)
RECIST 1.1, Δ diameter	20	100 (16/16)	0.0 (0/9)	64.0 (16/25)	0.0 (0/0)	64.0 (16/25)
PERCIST, Δ SUL peak	30	93.8 (15/16)	11.1 (1/9)	65.2 (15/23)	50.0 (1/2)	64.0 (16/25)
EORTC, Δ SUV _{max}	25	81.3 (13/16)	11.1 (1/9)	61.9 (13/21)	25.0 (1/4)	56.0 (14/25)
Δ diameter	1	50.0 (8/16)	77.8 (7/9)	80.0 (8/10)	46.7 (7/15)	60.0 (15/25)
Δ TLG	15	75.0 (12/16)	77.8 (7/9)	85.7 (12/14)	63.6 (7/11)	76.0 (19/25)
Δ ADC _{mean}	-7	81.3 (13/16)	88.9 (8/9)	92.9 (13/14)	72.7 (8/11)	84.0 (21/25)
Δ TLG+ Δ ADC _{mean}	16.5	93.8 (15/16)	88.9 (8/9)	93.8 (15/16)	88.9 (8/9)	92.0 (23/25) [†]

RECIST, Response Evaluation Criteria in Solid Tumor; PERCIST, Positron Emission

Tomography Response Criteria in Solid Tumors; EORTC, European Organisation for the

Research and Treatment of Cancer; TLG, total lesion glycolysis; ADC_{mean}, average apparent

diffusion coefficient; PPV, positive predictive value; NPV, negative predictive value

[†] $p = 0.027$ compared with Δ diameter by McNemar's test.