

Supplemental Material

Supplemental Table 1 Comparison of the ¹⁸F-FDG PET parameters between the NAC major and minor pathological responder groups in patients with ¹⁸F-FDG-avid tumors

PET parameters	Major pathological responders		Minor pathological responders		Z	P
	Median	IQR	Median	IQR		
	¹⁸ F-FDG* n = 4		n = 19			
Baseline SUV _{max}	14.55	12.61, 19.32	13.33	9.84, 26.51	-0.568	0.570
Baseline SUV _{peak}	9.09	7.69, 13.78	7.37	5.82, 14.75	-0.730	0.465
Baseline TBR	8.89	7.22, 11.53	7.26	6.27, 16.45	-0.324	0.746
%SUV _{max}	-58.08	-67.21, -46.16	-43.06	-51.74, -16.52	-1.784	0.074
%SUV _{peak}	-58.79	-75.87, -42.72	-48.98	-60.89, -27.83	-1.460	0.144
%TBR	-57.41	-70.26, -44.80	-38.09	-54.82, -29.71	-1.784	0.074

NAC = neoadjuvant chemotherapy; IQR = interquartile range; **P* < 0.05 ***P* < 0.01.
Five patients with ¹⁸F-FDG non-avid LAGC were excluded from the analysis of ¹⁸F-FDG* PET parameters.

Supplemental Table 2 AUC of PET parameters for the early prediction of pathological response to NAC

Parameters	Area	<i>P</i>	95% CI	
			Lower bound	Upper bound
¹⁸ F-FDG (n = 28)				
Baseline SUV _{max}	0.545	0.737	0.281	0.810
Baseline SUV _{peak}	0.523	0.867	0.257	0.789
Baseline TBR	0.591	0.502	0.318	0.863
%SUV _{max}	0.614	0.401	0.334	0.894
%SUV _{peak}	0.606	0.433	0.334	0.878
%TBR	0.598	0.467	0.308	0.889
¹⁸ F-FDG* (n = 23)				
Baseline SUV _{max}	0.592	0.570	0.370	0.814
Baseline SUV _{peak}	0.618	0.465	0.395	0.842
Baseline TBR	0.553	0.746	0.322	0.783
%SUV _{max}	0.789	0.074	0.563	1.000
%SUV _{peak}	0.737	0.144	0.450	1.000
%TBR	0.789	0.074	0.571	1.000
⁶⁸ Ga-FAPI (n = 28)				
Baseline SUV _{max}	0.530	0.823	0.221	0.839
Baseline SUV _{peak}	0.492	0.955	0.163	0.822
Baseline TBR	0.538	0.780	0.164	0.912
%SUV _{max}	0.856	0.009**	0.624	1.000
%SUV _{peak}	0.811	0.022*	0.555	1.000
%TBR	0.864	0.007**	0.657	1.000

AUC = area under the curve; NAC = neoadjuvant chemotherapy; CI = confidence interval; **P* < 0.05, ***P* < 0.01.
 Five patients with ¹⁸F-FDG non-avid LAGC were excluded from the analysis of ¹⁸F-FDG PET parameters.