

Table S1 Comparison of SUV in panNENs by Grade (patient level)

Variables	All imaging			Only united imaging		
	G1 (n=13)	G2 (n=21)	P	G1 (n=11)	G2 (n=18)	P
G-SUV	35.2 [27.5, 39.0]	43.0 [18.6, 74.0]	0.552	37.7 [28.3, 56.0]	52.3[20.2, 75.5]	0.707
F-SUV	2.2 [2.1, 2.4]	3.1 [2.5, 7.1]	0.013*	2.2 [1.9, 2.3]	3.7 [2.6, 7.9]	0.040*
G-SUV/F-SUV	15.0 [10.7, 21.0]	15.0 [6.3, 20.8]	0.711	15.0 [11.8, 26.3]	12.6 [6.2, 20.2]	0.310

Data are median [25th percentile, 75th percentile]. Asterisk (*) indicates significance with a P value of <0.05. In patients with multiple lesions, the one demonstrating the highest ⁶⁸Ga-DOTATATE uptake was selected for analysis.

Table S2 Comparison of cutoff values of SUV and diagnostic performance (patient level)

Variables	G1 vs. G2			
	Cutoff	AUC (95% CI)	Sensitivity (95% CI)	Specificity (95% CI)
G-SUV	41.0	0.56 (0.36-0.76)	52 (32-72)	77 (50-92)
F-SUV	2.4	0.85 (0.65-1.00)	83 (55-97)	86 (49-99)
G-SUV/F-SUV	8.1	0.56 (0.28-0.84)	42 (19-68)	86 (49-99)

In patients with multiple lesions, the one demonstrating the highest ⁶⁸Ga-DOTATATE uptake was selected for analysis. CI, confidence interval.

Table S3 Differentiating panNENs grade through visual inspection (patient level)

Lesion uptake	G1	G2	P
⁶⁸ Ga-DOTATATE PET			
≤spleen	4	6	0.891
>spleen	9	15	
¹⁸ F-FDG PET			
≤background	6	6	0.287
>background	1	6	

In patients with multiple lesions, the one demonstrating the highest ⁶⁸Ga-DOTATATE uptake was selected for analysis.