Supplementary material

Supplementary Table 1 Univariate and multivariate analyses of factors associated with the correct diagnosis of p-NEN using EUS-TA for 82 p-NENs.

Variable	No. of correct diagnoses	Univariate OR (95% CI)	Multivariate OR (95% CI)
Tumor size			
≤ 10 mm	29	1	1
10-20 mm	29	1.00 (0.060-6.76)	0.21 (0.01-.93)
> 20 mm	20	0.34 (0.03-4.07)	0.46 (0.01-13.51)
Cystic component			
Absent	75	1	1
Present	3	0.12 (0.01-1.52)	-
Tumor location			
Head	25	1	1
Body	26	0.35 (0.03-3.56)	-
Tail	27	-	-
Needle type			
FNA	2	1	1
FNB	76	12.21 (0.86-173.36)	-
Needle gauge			
25G	6	1	1
22G	72	4.00 (0.36-44.6)	-
Number of punctures			
1 time	12	1	1
2 times	53	4.42 (0.56-34.57)	-
3 times	13	-	-
Puncture site			
Transgastric	59	1	1
Transduodenal bulb	1	-	-
Transduodenal 2nd part	18	1.14 (0.11-11.65)	-

EUS-TA, endoscopic ultrasound-guided tissue acquisition; FNA, fine-needle aspiration; FNB, fine-needle biopsy; OR, odds ratio; p-NEN, pancreatic neuroendocrine neoplasm; 95% CI, 95% confidence interval.

Supplementary material

Supplementary Table 2 Univariate and multivariate analyses of factors associated with the correct diagnosis of concordance of p-NET grading between EUS-TA and surgical specimen 44 p-NETs.

Variable	No. correct diagnoses	Univariate OR (95% CI)	Multivariate OR (95% CI)
Tumor size			
≤ 10 mm	17	1	1
10-20 mm	14	0.27 (0.03-2.94)	0.49 (0.03-7.06)
> 20 mm	7	0.21 (0.02-2.65)	0.18 (0.01-3.30)
Cystic component			
Absent	0	-	-
Present	38	-	-
Tumor location			
Head	12	1	1
Body	12	-	-
Tail	14	0.58 (0.09-3.76)	-
Needle type			
FNA	2	1	1
FNB	36	-	-
Needle gauge			
25G	4	1	1
22G	34	-	-
Number of punctures			
1 time	7	1	1
2 times	26	2.6 (0.37-18.25)	1.10 (0.05-24.77)
3 times	5	-	-
Puncture site			
Transgastric	31	1	1
Transduodenal bulb	1	-	-
Transduodenal 2nd part	6	0.2 (0.03-1.24)	-

EUS-TA, endoscopic ultrasound-guided tissue acquisition; FNA, fine-needle aspiration; FNB, fine-needle biopsy; OR, odds ratio; p-NET, pancreatic neuroendocrine tumor; 95% CI, 95% confidence interval.

Supplementary material

Supplementary Table 3 Sensitivity of EUS-TA for surgically resected p-NEN.

Tumor size	Total (n)	True positive (n)	False negative (n)	Sensitivity (%) (95% CI)
Overall	52	48	4	92.3 (81.3-97.5)
≤ 10 mm	22	21	1	95.5 (76.5-99.9)
10-20 mm	18	17	1	94.4 (72.4-99.9)
> 20 mm	12	10	2	83.3 (54.0-96.5)

EUS-TA, endoscopic ultrasound-guided tissue acquisition; p-NEN, pancreatic neuroendocrine neoplasm; 95% CI, 95% confidence interval.