

Table S1 Histological diagnosis of patients with core needle biopsy

Histological diagnosis	US-CNB	CT-CNB
Inadequate sampling	2	5
Atypical	0	4
Benign	1	3
Malignant	83	43

US-CNB, ultrasound-guided core needle biopsy; CT-CNB, computed tomography-guided core needle biopsy.

Table S2 Cytological diagnosis of patients with fine needle aspiration

Cytological diagnosis	EUS-FNA
Nondiagnostic	67
Negativity	26
Atypical	9
Neoplastic, benign	0
Neoplastic, other	22
Suspicious	22
Positive	112

EUS-FNA, endoscopic ultrasound guided fine needle aspiration.

Table S3 Comparison of diagnostic accuracy, sampling satisfaction rate and complication rate of patients with suspected malignant pancreatic lesions under different puncture biopsy methods according to lesion size and location

Variable	US-CNB	CT-CNB	EUS-FNA	P value*
Accuracy, %				
<2 cm	100	92.90	63.40	0.002 [†]
≥2 cm	97.50	92.90	71.00	< 0.001 [†]
Complication rate, %				
<2 cm	25	16.70	7.30	0.329
≥2 cm	15	16.70	11.00	0.473
Satisfactory rate, %				
<2 cm	100	92.90	65.90	0.005 [†]
≥2 cm	97.50	92.90	75.00	< 0.001 [†]
Accuracy, %				
Head/neck	97.40	91.70	68.70	< 0.001 [†]
Body/tail	97.90	88.50	74.50	0.003 [†]
Complication rate, %				
Head/neck	13.20	20.80	10.10	0.282
Body/tail	17.00	15.40	10.90	0.660
Satisfactory rate, %				
Head/neck	97.40	91.70	72.20	0.001 [†]
Body/tail	97.90	88.50	75.00	0.003 [†]

*, P value <0.0167 is considered statistically significant; †: There is a statistically significant difference in US-CNB vs. EUS-FNA, CT-CNB vs. EUS-FNA. US-CNB, ultrasound-guided core needle biopsy; CT-CNB, computed tomography-guided core needle biopsy; EUS-FNA, endoscopic ultrasound guided fine needle aspiration.

Table S4 Cost-effectiveness analysis of reducing biopsy fees by 10%

Group	Cost/person (yuan)	Accuracy	C/E	ICER
US-CNB	2415.11	97.70%	2471.96	-12666.8
CT-CNB	4454.11	90.90%	4900.01	-7085.43
EUS-FNA	5949.14	69.80%	8523.12	–

US-CNB, ultrasound-guided core needle biopsy; CT-CNB, computed tomography-guided core needle biopsy; EUS-FNA, endoscopic ultrasound guided fine needle aspiration; C/E, cost/effectiveness ratio; ICER, incremental cost-effectiveness ratio.

Table S5 Cost-effectiveness analysis of increasing biopsy fees by 10%

Group	Cost/person (yuan)	Accuracy	C/E	ICER
US-CNB	2606.31	97.70%	2667.66	-16068.7
CT-CNB	5090.65	90.90%	5600.28	-9473.02
EUS-FNA	7089.46	69.80%	10156.82	–

US-CNB, ultrasound-guided core needle biopsy; CT-CNB, computed tomography-guided core needle biopsy; EUS-FNA, endoscopic ultrasound guided fine needle aspiration; C/E, cost/effectiveness ratio; ICER, incremental cost-effectiveness ratio.