

Supplementary Material 3: Pancreatic cancer details in Fukuoka negative and Fukuoka positive cysts

PC in FN cysts

On 5-year follow-up, 5 patients had PC; 3 patients (60%) had PC at the site of IPMN, 1 (20%) had PC away from site of cyst, and for 1 (20%), it was unclear whether PC had developed from cyst because the patient did not undergo surgery and imaging showed a solid mass adjacent to the cyst. Of 3 patients who had PC at the site of IPMN, 2 had HR FP features (solid component with pancreatic and bile duct dilation in 1 patient and only solid component in the other patient) before receiving a diagnosis of cancer. The third patient, who did not have FP features, had a solid mass adjacent to the cyst seen on EUS. After surgery, clinicians discovered that the cancer arose from the cyst. Table below describes details of the PC on the basis of the American Joint Committee on Cancer staging system.

Pancreatic Cancers Arising From Fukuoka-Negative Cysts, Based on American Joint Committee on Cancer Staging System

Stage	T	N	M	Site of Malignancy	Underwent Surgery	Outcome
IB	2	0	0	Site of cyst	Yes	Died 5 y later, ?aetiology
IIA	3	0	0	Site of cyst	Yes	Alive after 7 y
IIB	3	1	0	Site of cyst	Yes	Died 2 y later of metastatic PC
IIB	3	1	0	Site of cyst	No	Died within 4 mo of diagnosis

IIB	3	1	0	Away from cyst	Yes	Died 3 y later of PC recurrence
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PC in FP cysts

Twenty-six cases of PC were identified: 22 (84.6%) with cancer at site of cyst; 3 (11.5%) with cancer away from cyst; and 1 with a preoperative diagnosis of MD-IPMN based on computed tomography and EUS. Surgical specimen showed adenocarcinoma of the head of pancreas with duct dilation throughout the gland. Table below describes details of the PC based on the American Joint Committee on Cancer staging system.

Pancreatic Cancers Arising From Fukuoka-Positive Cysts, Based on American Joint Committee on Cancer Staging System

Stage	T	N	M	Site of Malignancy	Underwent Surgery	Outcome
IA	1	0	0	Away from cyst	Yes	Died after 1.5 y of <u>metastatic ca</u>
IA	1	0	0	Site of cyst	Yes	Recurrence after <u>6 mo</u> , <u>died after 2.5 y</u>
IA	1	0	0	Site of cyst	No	Unknown; no follow-up
IA	1	0	0	Site of cyst	No	Died after 6 mo
IA	1	0	0	Site of cyst	Yes	Alive <u>6 y</u> from diagnosis
IA	1	0	0	Site of cyst	Yes	Died after 5 y, unclear cause
IA	1	0	0	Site of cyst	Yes	Died after 1 mo secondary to

						complications from Whipple surgery
IB	2	0	0	Site of cyst	Yes	Alive 10 y <u>from diagnosis</u>
IB	2	0	0	Site of cyst	Yes	Died after 4 y, of metastatic pancreatic cancer
IB	2	0	0	Site of cyst	Yes	Died after 11 mo
IB	2	0	0	Site of cyst	Yes	Alive 4 y <u>from diagnosis</u>
IIA	3	0	0	Away from cyst	No	Died after 6 mo
IIB	3	1	0	Site of cyst	Yes	Alive; follow-up available for 5 mo
IIB	3	1	0	Site of cyst	Yes	Died after 4 y, of metastatic pancreatic cancer
IIB	2	1	0	Site of cyst	Yes	Died after 2 y, of metastatic pancreatic cancer
IIB	2	1	0	No cyst	Yes	Died 7 mo after surgery
IIB	3	1	0	Away from cyst	Yes	Died after 9 mo
IIB	3	0	0	Site of cyst	Yes	Died after 2 y, ?reasons
III	4	0	0	Site of cyst	Yes	Died after 2.5 y
III	4	0	0	Site of cyst	No	Died after 6 mo
IV	1	0	1	Site of cyst	No	Died after 6 mo
IV	4	0	0	Site of cyst	No	Died after 1.5 y
IV	4	0	1	Site of cyst	No	Died after 6 mo
IV	4	0	1	Site of cyst	No	Died after 6 mo
IV	4	0	0	Site of cyst	No	Died after 3.5 y later, of metastatic cancer

IV	4	0	1	Site of cyst	No	Died after 2 mo
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