

Supplemental Table 1. Main analysis findings among high-risk individuals with IPMNs who have at least one affected first-degree relative with pancreas cancer (n=27)

ID/ Order	Age at IPMN, y/ sex	AJ	BRCA mutation	Time to detection of lesion, m	Time from detection to surgery, m	Surveillance events before surgery, #	Radiological findings	EUS Findings	EUS Cytology	Surgical Intervention/ Pathology
High-risk individuals who underwent surgery after EUS (n=3)										
1 ^a	66/F	Y	BRCA2 c.5946del	0	24	4	Increase in size of cystic lesions throughout pancreas, largest measuring up to 2cm	1 <3cm PB cystic lesion, 1 mural nodule in cyst	Non-diagnostic	Distal pancreatectomy/ IPMN with LGD
2	68/F	N	none	0	12	3	Questionable increase in size (<4mm) of <3cm cysts	2 <3cm cystic lesions in PH/PN; MPD 3.7mm in PH	Suspicious cells; suspect MCN	Whipple/Multifocal IPMN, borderline malignant
3	46/F	Y	none	0	0	1	<3cm PT cystic lesion	1 <3cm PT cystic lesion	Mucin and glandular cells without atypia	Distal Pancreatectomy/ PanIN-2
ID/ Order	Age at IPMN, y/ sex	AJ	BRCA mutation	Time to detection of lesion, m	Time since lesion identified, m	Surveillance events after detection, #	Radiological findings	EUS Findings	EUS Cytology	Surgical Intervention
High-risk individuals with IPMN confirmed by EUS who did not have surgery (n=9)										
4	55/F	Y	BRCA1 c.5266dupC	0	121	18	<3 stable <3cm PB cystic lesions	<3cm PB cystic lesion	Non-diagnostic	Recommended & declined
5	50/M	N	BRCA1 c.4484G>T	0	87	9	<3 stable <3cm PH/PB/PUP cystic lesions	2 <3cm PUP/PB cystic lesions	--	--
6 ^b	45/F	N	BRCA1 c.641A>G; BRCA1 VUS D214G (760A>G)	0	76	13	Slight increase in size of <3cm cystic lesions throughout pancreas	<3cm PB cyst/pseudocyst; <3cm PB oval mass; other small cysts noted	Non-diagnostic	--
7	49/F	Y	BRCA2 c.5946del	24	63	9	Stable <3cm PH cystic lesion	<3cm PH cystic lesion	--	--
8	55/M	Y	BRCA2 c.5946del	0	77	11	Minimal increased size (<4mm) of few <3cm cystic lesions in PH/PN/PB	<3cm PH cystic lesion; MPD 3.2cm in PB	--	--
9	65/F	Y	BRCA2 c.5946del	0	60	9	Several stable <3cm PB/PT cystic lesions	2 PT <3cm cystic lesions	--	--
10	44/F	N	none	0	122	12	<3 stable <3cm PH/PT cystic lesions	<3cm PUP cystic lesion	--	--
11	50/F	Y	none	34	36	6	<3 stable <3cm PT cystic lesions	<3cm PT cystic lesion	--	--
12	56/F	Y	none	0	13	3	≥3 stable PB/PH <3cm cystic lesions	Multiple <3cm cysts throughout entire pancreas	--	--

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High-risk individuals with EUS that did not visualize IPMN (n=7)										
17	65/F	Y	<i>BRCA1</i> exon13 duplication	0	21	3	Stable <3cm PB cystic lesion	Negative	--	--
18	59/M	Y	<i>BRCA1</i> c.5266dupC	0	1	1	≥3 stable <3cm PN cystic lesions	Unremarkable; noted some echogenic strands in PH	--	--
19	57/F	Y	<i>BRCA2</i> c.5946del	0	55	8	Stable <3cm PH cystic lesion	Negative	--	--
20	64/F	Y	<i>BRCA2</i> c.5946del	0	27	3	≥3 Stable <3cm PH/PB/PT cystic lesions	Negative	--	--
21	65/F	N	<i>BRCA2</i> c.6938-2A>G	0	101	10	Stable <3cm PH/PUP cystic lesion	Negative	--	--
22	46/F	N	none	0	72	10	Stable <3cm PH cystic lesion	Negative	--	--
13	72/M	Y	none	39	102	9	Small increase in size of <3cm PUP cystic lesion; stable <3cm PN cystic lesion	MPD=6mm in PUP; no lesion found	--	--
High-risk individuals with no EUS (n=8)										
24	64/F	Y	<i>BRCA1</i> c.5266dupC	95	0	0	Few <3cm cystic lesions	--	--	--
25	68/M	Y	<i>BRCA2</i> c.5946del	96	30	1	≥3 stable PUP/PT <3cm cystic lesions	--	--	--
26	59/M	N	<i>BRCA2</i> c.6037A>T	16	1	2	<3cm stable cystic lesion in PB/PT junction	--	--	--
27	59/F	N	none	0	110	9	≥3 stable <3cm cystic lesions throughout entire pancreas	--	--	--
28	68/F	N	none	0	79	8	Stable <3cm PH cystic lesion	--	--	--
29	62/F	Y	none	0	63	10	≥3 stable <3cm cystic lesions throughout entire pancreas	--	--	--
30	53/F	Y	none	0	54	5	Stable <3cm PT cystic lesion	--	--	--
31	50/F	N	none	0	15	3	Stable <3cm PT cystic lesion	--	--	--

^a Patient developed pancreatic adenocarcinoma 9 months post-surgery and is now deceased

^b One HRI (1880) scheduled for repeat EUS to follow-up on oval mass previously seen on imaging

--, no FNA or surgery

AJ, Ashkenazi Jewish

IPMN, intraductal papillary mucinous neoplasm

LGD, low grade dysplasia

MCN, mucinous cystic neoplasm

MPD, main pancreatic duct

PB, pancreatic body; PH, pancreatic head; PT, pancreatic tail; PUP, pancreatic uncinuate process