

Table S1. Summary of rare benign solid pancreatic lesions.

	IST	PT	SSCA
Demographics	?	4 th - 5 th decade. Immunosuppression.	Women 7 th decade.
Laboratory	-	-	-
Prognosis	Benign	Good	Benign
Location	Tail	Body, head	?
Appearance	Well-defined.	Well-defined. Focal mass. Multiple small nodules. Diffuse involvement.	Well-defined
Enhancement	Hypervascular. Same as spleen. Zebra pattern.	Peripheral enhancement.	Rapid arterial enhancement. Isodensity/intensity portal phase.
Calcification	-	++	-
Haemorrhagic content	-	-	++
Cysts	-	++	-
Necrosis	-	-	-
MPD dilatation	-	Rare	Rare
Vascular invasion	-	-/+	-
TIP	Prior splenic surgery or trauma. High DWI SI.	Peripancreatic necrotic adenopathies.	MRCP: cysts
Differential diagnosis	pNEN SPT Hypervascular metastasis.	Solid appearance: <ul style="list-style-type: none"> • PDAC • Lymphoma • Metastasis Cystic appearance: <ul style="list-style-type: none"> • Cystadenoma • Pseudocyst • Abscess Diffuse involvement: <ul style="list-style-type: none"> • Acute pancreatitis. 	pNEN SPT Hypervascular metastasis.
<i>IST</i> Intrapancreatic splenic tissue, <i>PDAC</i> Pancreatic ductal adenocarcinoma, <i>pNEN</i> Pancreatic neuroendocrine tumour, <i>PT</i> Pancreatic tuberculosis, <i>SPT</i> Solid pseudopapillary tumour, <i>SSCA</i> Solid serous cystadenoma			

Table S2. Summary of rare potentially malignant solid pancreatic lesions.

	SPT	PS	INEN	PSFT
Demographics	Women < 40 y.o. Men: older, aggressive behaviour.	5 th decade. 10% association NF2. Rarely NF1 and risk of malignancy.	?	6th decade
Laboratory	-	-	Non-functioning pNEN.	Recurrent hypoglycemia.
Prognosis	Good if R0 resection, even if metastatic. Malignant behaviour 10-15%.	Good. Malignant transformation possible.	?	Good if R0 resection. 12-22% malignant.
Location	Tail	Head	?	Head
Appearance	Well-defined. Large. Heterogeneous. Homogeneous if small	Well-defined. Solid-cystic.	Purely intraductal. Distal pancreas atrophic.	Well-defined. Large. Heterogeneous. Homogeneous if small
Enhancement	++	Determined by proportion solid/cystic components	+++	++
Calcification	+	-/+ if large	?	++if large
Hemorrhagic content	++	-/+ if large	?	+if large
Cysts	++	-/+	?	++if large
Necrosis	++	-/+ if large	?	+++ if large
MPD dilatation	-/+ if malignant	-	++	-/+ if malignant
Vascular invasion	+if malignant	+if malignant	-	-
TIP	Fibrous pseudocapsule. Fluid-fluid levels.	Hypermetabolic on PET-CT even if benign.	May be obscured if causing acute pancreatitis.	Hypervascular. Adenopathies rare. PET-CT not useful for malignancy.
Differential diagnosis	pNEN. Hypervascular metastasis.	SPT pNEN SSCA	Chronic pancreatitis.	pNEN PPLM GIST PEComa SPT
<p><i>GIST</i> gastrointestinal stromal tumour, <i>INEN</i> Intraductal Neuroendocrine Neoplasm, <i>PEComa</i> perivascular epithelioid cell tumour, <i>pNEN</i> Pancreatic neuroendocrine tumour, <i>PPLM</i> Primary pancreatic leiomyosarcoma, <i>PS</i> Pancreatic schwannoma, <i>PSFT</i> Pancreatic solitary fibrous tumour, <i>SPT</i> Solid pseudopapillary tumour, <i>SSCA</i> Solid serous cystadenoma.</p>				

Table S3. Summary of rare malignant solid pancreatic lesions.

	ACC	UCOGC	PASC	CC	PPLM	PPL	SPL	PM
Demographics	Men>women. Bimodal: 8-15 y.o 7 th decade	Women>>men Middle aged and elderly.	Men>women. 6 th decade.	7 th decade.	5 th decade. East Asian ethnicity.	Men > women. 5 th decade. Immunosup pression.	Known lymphoma. More frequent than PPL.	Known primary tumour: RCC, gastric, breast, lung.
Laboratory	↑ Lipase. ↑ Alpha- fetoprotein. Peripheral eosinophilia.	N/↑CEA N/↑CA19-9	↑CEA ↑CA19-9 Hypercalc emia	↑CEA ↑CA19-9	-	↑LDH	↑LDH	-
Prognosis	5-year survival rate 50%	5-year survival rate > 50%. Variable.	Median overall survival after surgery 1 year.	5-year survival rate 57%.	48 months	Long-term regression/r emission.	Long-term regression/re mission.	Depends on primary tumour.
Location	-	Body-tail	Head	Head	-	Head	-	-
Appearance	Large. Well- defined. Exophytic.	Large. Locally aggressive.	Round. Lobulated.	Large. Lobulated. Ill-defined. Intraluminal if IPMN- related.	Large. Heterogeneou s.	<i>Focal pattern:</i> Homogeneous Large <i>Other:</i> Diffuse Peripheral Multinodular	Peripancreatic adenopathy with pancreas invasion. Same patterns as primary pancreatic lymphoma.	Single. Multiple . Diffuse.
Enhancement	-Arterial phase + Portal phase	-/+	+	Progressive and delayed. Sponge-like.	+	Limited. Progressive. Delayed.	+	Like primary tumour
Calcification	-/+ if large	-/+	-	++	-	-	-	Like primary tumour
Hemorrhagic content	-/+ if large	-/+	-	-	-/+ (if large)	-	-	Like primary tumour
Cysts	-/(if large)	+	-	-	-/(if large)	-	-	-
Necrosis	-/+ if large	-/+	++	-	-/+ if large	-	-	Like primary tumour
MPD dilatation	-	+	+	-/+	-	-	-	-
Vascular invasion	-/+	+	-/+	-/+	-/+	-	-	-
TIP	May be exophytic. Enhancing capsule. Adenopathi es and hepatic	Invasive. Adenopathi es and metastases rare.	Central high SI T2WI. Enhancing capsule. Locally advanced / metastatic.	↑ High T2 SI. Salt&pepper pattern.	Adenopathies rare. Metastases frequent at presentation.	High DWI signal. If infrarenal retroperiton eal adenopathy,	Known or suspected lymphoma.	Advance d disease. Long latency.

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