

A guide to Cancer of the Exocrine Pancreas, Ampulla of Vater and Distal Common Bile Duct Reporting



Clinical details		Macroscopic findings (cont.)	
S1.02	Clinical info. on request form (complete as narrative or use the structured format below)	Text	
	Type of operation	See p4	
	Superior mesenteric vein/ Portal vein resection	Not performed Performed	
	If performed, describe Type of vascular resection	Tangential Segmental	
	Additional specimens	See p4	
	Tumour location/site	Pancreatic head Pancreatic neck Pancreatic body Pancreatic tail Bile duct Ampulla of Vater Duodenum Other (specify)	
	Preoperative therapy	Not administered Preop chemo. Preop radiother. Preop chemorad.	
	Local residual cancer postsurgery	Text	
	Involvement of adjacent organs	Text	
	New primary cancer or recurrence	New primary Distant met. Local recurrence	
	If distant metastasis or regional (local) recurrence record details	Text	
	Relevant patient or family history	Text	
	Pre-operative diagnosis	Text	
	Relevant issues noted during the procedure	Text	
S1.03	Pathology accession number	Text	
G1.01	Other relevant details	Text	
Macroscopic findings			
S2.01	Specimen labelled as	Text	
S2.02	ANATOMICAL STRUCTURES		
	Pancreas	Not present Present	
	If present, record: Portions of the pancreas	Head Neck Body Tail	
	Dimensions	__x__mm	
	Duodenum	Not present Present	
	If present, record: Length	__mm	
	Maximum diameter	__mm	
	Stomach	Not present Present	
	If present, record: Length of lesser curvature	__mm	
	Length of greater curvature	__mm	
	Common bile duct	Not present Present	
	If present, record: Length	__mm	
	Maximum diameter	__mm	
	Gallbladder	Not present Present	
	If present, record: Length	__mm	
	Maximum diameter	__mm	
	Spleen	Not present Present	
	If present, record: Dimensions	__x__mm	
	Portal vein	Not present Present	
	If present, record: Dimensions	__x__mm	
	Superior mesenteric vein	Not present Present	
	If present, record: Dimensions	__x__mm	
	Other large vessel	Not present Present	
	If present, record: Other vessel	Text	
	Dimensions (Note: Measure in 3 dimensions if tangential resection of the vessel has been performed or measure length and diameter if the whole circumference of the vessel is present)	__x__mm	
		OR	
	Length and Diameter	__mm __mm	
	Other anatomical structure	Not present Present	
	If present, record: Other structure	Text	
	Dimensions	__x__mm	
	Separately submitted specimens	Lymph nodes Omentum Other (specify)	
G2.01	Stent	Not present Present	
	If present record location	Text	
S2.03	Macroscopic tumour site(s)	See p4	
S2.04	Maximum tumour diameter (Note: For multiple tumours record the diameter of the each focus)	__mm	
S2.05	MACROSCOPIC TUMOUR DESCRIPTION (Record the description of each focus) Description (eg exophytic,flat, solid,cystic, colour, texture, border)	Text	

Macroscopic findings (cont.)		Microscopic findings (cont.)	
	Type of ampullary tumour (if applicable)	Intra-ampullary Mixed Peri-ampullary	
S2.06	MACROSCOPIC DISTANCE OF TUMOUR TO MARGINS/SURFACES (Note: For multiple tumours record the closest distance of any foci)		
	Pancreatic transection	Not applicable OR ____mm	
	Superior mesenteric artery	Not applicable OR ____mm	
	Posterior pancreatic	Not applicable OR ____mm	
	Superior mesenteric vein/vascular groove	Not applicable OR ____mm	
	Anterior pancreatic	Not applicable OR ____mm	
	Bile duct	Not applicable OR ____mm	
	Proximal intestinal/gastric	Not applicable OR ____mm	
	Distal intestinal	Not applicable OR ____mm	
	Other margin/surface	Not applicable OR Text (margin) AND ____mm	
G2.02	Evidence of other abnormality or coexisting pathology	Not present Present	
	If present, describe the Abnormality	Cystic lesion(s) Calculi Chronic pancreatitis Other (describe)	
G2.03	Tissue block for research or tissue bank	Not taken Taken	
G2.04	Photographs	Not taken Available	
S2.07	Block identification key	Text	
G2.05	Other macroscopic comment	Text	
Microscopic findings			
S3.01	Histological tumour type	See p4	
S3.02	Histological grade	See p4	
S3.03	Microscopic tumour site	See p4	
S3.04	Maximum extent of tumour invasion	See p4	
S3.05	Maximum tumour diameter (Note: Record for each tumour identified)	____mm	
S3.06	Lymphovascular invasion	Not identified Suspicious Present	
	If present, record the Type of vessel	Artery Vein Small vessel	
S3.07	Perineural invasion	Not identified Suspicious Present	
G3.01	Perineural invasion of the superior mesenteric artery margin neural plexus	Not received Not identified Suspicious Present	
G3.02	Regression grade	Not known No prior treat. Grade 0 (compl't) Grade 1 (moderat) Grade 2 (minimal) Grade 3 (poor)	
G3.03	Preinvasive lesion	Not identified Present	
	If present, record the Type(s)	See p3	
	Highest grade PanIN	Grade 1a/1b Grade 2 Grade 3	
	Grade of intraepithelial neoplasia or dysplasia	Low-grade Intermediate High-grade Grade 1 Grade 2 Grade 3	
S3.08	MARGIN/SURFACE STATUS		
	Pancreatic transection margin (For pancreaticoduodenectomy (Whipple's) resection and distal pancreatectomy specimens)	Not applicable Not involved Involved	
	If not involved record:		
	Microscopic clearance	____mm	
	If involved record:		
	Type of involvement	Involved by Invasive tumour Preinvasive lesion	
	If involved by preinvasive lesion, record:		
	Type of preinvasive lesion at margin	Text	
	Grade of preinvasive lesion at margin	Low-grade Intermediate High-grade	
	Superior mesenteric artery margin (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved	
	If not involved record:		
	Microscopic clearance	____mm	
	Superior mesenteric vein/vascular groove margin (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved	
	If not involved record:		
	Microscopic clearance	____mm	
	Posterior margin (For pancreaticoduodenectomy (Whipple's) resection and distal pancreatectomy specimens)	Not applicable Not involved Involved	
	If not involved record:		
	Microscopic clearance	____mm	

Microscopic findings (cont.)

Bile duct margin (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved
If not involved record: Microscopic clearance	___mm
If involved record: Type of involvement	Involved by Invasive tumour Preinvasive lesion
If involved by preinvasive lesion, record: Type of preinvasive lesion at margin	Text
Grade of preinvasive lesion at margin	Low-grade Intermediate High-grade
Proximal gastric/duodenal (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved
If not involved record: Microscopic clearance	___mm
If involved record: Type of involvement	Involved by Invasive tumour Preinvasive lesion
If involved by preinvasive lesion, record: Grade of preinvasive lesion at margin	Low grade High grade
Distal duodenal/jejunal margin (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved
If not involved record: Microscopic clearance	___mm
If involved record: Type of involvement	Involved by Invasive tumour Preinvasive lesion
If involved by preinvasive lesion, record: Grade of preinvasive lesion at margin	Low grade High grade
Other margin (if applicable; repeat for each other margin)	Text (margin) AND Not applicable Not involved Involved
If not involved record: Microscopic clearance	___mm
If involved record: Type of involvement	Involved by Invasive tumour Preinvasive lesion
If involved by preinvasive lesion, record: Grade of dysplasia at margin	Grade 1 Grade 2 Grade 3 Low grade High grade

Microscopic findings (cont.)

Anterior surface (For pancreaticoduodenectomy (Whipple's) resection specimens)	Not applicable Not involved Involved
If not involved record: Microscopic clearance	___mm
If involved record: Nature of surface/margin	Serosa Resection margin

S3.09 LYMPH NODE STATUS

Lymph nodes from main resection specimen	None found Nodes present
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If nodes present, record

Lymph nodes found _____

Number of positive nodes _____

Separately labelled lymph nodes (if applicable)

Lymph nodes found _____

Number of positive nodes _____

[G3.04](#) Co-existing pancreatic/ductal/small intestinal pathology Text

[S3.10](#) **Histologically confirmed metastatic sites** Text

[G3.05](#) Findings in other resected organs Text

[G3.06](#) Other microscopic information Text

Ancillary test findings

G4.01 ANCILLARY TESTS	
Performed	No Yes Pending
If yes or pending, record Test type eg IHC, molecular, etc:	Text
If IHC, record the Antibodies	Text
Result	Text
Interpretative comment	Text

Synthesis and overview

S5.01 PATHOLOGICAL STAGING (AJCC)	See p5
S5.02 Year & edition of staging system	Text
G5.01 Diagnostic summary	Text
Include: Operative procedure; Tumour location(s); Tumour type; Tumour size; Tumour grade; Tumour stage ; Lymph nodes status; Margin status	
S5.03 Overarching comment	Text

S1.02 Type of operation

- Pancreaticoduodenectomy (Whipple resection), partial pancreatectomy
- Pancreaticoduodenectomy (Whipple resection), total pancreatectomy
- Pancreaticoduodenectomy (pylorus preserving), partial pancreatectomy
- Pancreaticoduodenectomy (pylorus preserving), total pancreatectomy
- Partial pancreatectomy, pancreatic neck
- Partial pancreatectomy, pancreatic body
- Partial pancreatectomy, pancreatic tail
- Enucleation
- Ampullectomy
- Segmental resection of bile duct(s)
- Other (specify)

S1.02 Additional specimens

Select all that apply:

- Liver biopsy
- Peritoneal nodules
- Peritoneal cytology
- Omentum
- Gallbladder
- Spleen
- Other (specify)

If peritoneal cytology record peritoneal cytology result.

S2.03 /S3.03 Tumour site(s)

Select all that apply:

- Pancreas
 - Head of pancreas
 - Neck of pancreas
 - Body of pancreas
 - Tail of pancreas
- Uncinate process
- Ampulla of Vater
- Common bile duct (extrapancreatic or intrapancreatic)
- Duodenum
- Other (describe)

S3.04 Max extent of tumour invasion

Select all that apply:

- Pancreas
- Celiac axis
- Superior mesenteric artery
- Ampulla of Vater
- Sphincter of Oddi
- Duodenal wall
- Peripancreatic soft tissues
- Bile duct
- Gallbladder
- Other adjacent organs or structures (specify)

G3.03 Preinvasive lesion - types

Select all that apply:

Pancreas:

- Pancreatic intraepithelial neoplasia (PanIN)
- Intraductal papillary mucinous neoplasms (IPMN)
- Intraductal tubulopapillary neoplasm (ITPN)
- Mucinous cystic neoplasms (MCN)

Distal common bile duct:

- Biliary intraepithelial neoplasia (BilIN)
- Intraductal papillary neoplasm (IPN)

Ampullary of Vater and duodenum

- Intestinal-type adenoma (tubular, tubulovillous, villous)
- Flat intraepithelial neoplasia (dysplasia)
- Non-invasive pancreatobiliary papillary neoplasm

S3.01 Tumour type

Pancreas

- Ductal adenocarcinoma
 - Adenosquamous carcinoma
 - Colloid carcinoma (mucinous noncystic carcinoma)
 - Hepatoid carcinoma
 - Medullary carcinoma
 - Signet ring cell carcinoma
 - Undifferentiated carcinoma
 - Undifferentiated carcinoma with osteoclast-like giant cells
 - Acinar cell carcinoma
 - Acinar cell cystadenocarcinoma
 - Intraductal papillary mucinous neoplasm with an associated invasive carcinoma
 - Mixed acinar-ductal carcinoma
 - Mixed acinar-neuroendocrine carcinoma
 - Mixed acinar-neuroendocrine-ductal carcinoma
 - Mucinous cystic neoplasm with an associated invasive carcinoma
 - Pancreatoblastoma
 - Serous cystadenocarcinoma
 - Solid-pseudopapillary carcinoma
- Neuroendocrine neoplasms

Ampullary region

- Adenocarcinoma
 - Invasive intestinal type
 - Pancreatobiliary type
 - Adenosquamous carcinoma
 - Clear cell carcinoma
 - Hepatoid adenocarcinoma
 - Invasive papillary adenocarcinoma
 - Mucinous adenocarcinoma
 - Signet ring cell carcinoma
 - Squamous cell carcinoma
 - Undifferentiated carcinoma
 - Undifferentiated carcinoma with osteoclast-like giant cells
- Neuroendocrine tumour (NET)
- NET G1 (carcinoid)
 - NET G2
- Neuroendocrine carcinoma (NEC)
- Large cell NEC
 - Small cell NEC
- Mixed adenoneuroendocrine carcinoma
- EC cell, serotonin-producing NET
 - Gangliocytic paraganglioma
 - Somatostatin-producing NET

Gallbladder and extrahepatic bile ducts

- Adenocarcinoma
 - Adenocarcinoma, biliary type
 - Adenocarcinoma, gastric foveolar type
 - Adenocarcinoma, intestinal type
 - Clear cell adenocarcinoma
 - Mucinous adenocarcinoma
 - Signet ring cell carcinoma
 - Adenosquamous carcinoma
 - Intracystic (gallbladder) or intraductal (bile ducts) papillary neoplasm with an associated invasive carcinoma
 - Mucinous cystic neoplasm with an associated invasive carcinoma
 - Squamous cell carcinoma
 - Undifferentiated carcinoma
- Neuroendocrine tumour (NET)
- NET G1 (carcinoid)
 - NET G2
- Neuroendocrine carcinoma (NEC)
- Large cell NEC
 - Small cell NEC
- Mixed adenoneuroendocrine carcinoma
- Goblet cell carcinoid
 - Tubular carcinoid

S3.02 Histological grade

- Grade X: Cannot be assessed
- Grade 1: Well differentiated (greater than 95% of tumour composed of glands)
- Grade 2: Moderately differentiated (50% to 95% of tumour composed of glands)
- Grade 3: Poorly differentiated (49% or less of tumour composed of glands)
- Grade 4: Undifferentiated (5% or less of tumour composed of glands)

S5.01 PATHOLOGICAL STAGING (AJCC)

Primary tumour category (pT)

PANCREAS

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Tis Carcinoma in situ*
- T1 Tumour limited to the pancreas, 2 cm or less in greatest dimension
- T2 Tumour limited to the pancreas, more than 2 cm in greatest dimension
- T3 Tumour extends beyond the pancreas but without involvement of the celiac axis or the superior mesenteric artery
- T4 Tumour involves the celiac axis or the superior mesenteric artery (unresectable primary tumour)

*This also includes "PanIn-III" classification

AMPULLA OF VATER

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Tis Carcinoma in situ
- T1 Tumour limited to ampulla of Vater or sphincter of Oddi
- T2 Tumour invades duodenal wall
- T3 Tumour invades pancreas
- T4 Tumour invades peripancreatic soft tissues or other adjacent organs or structures other than pancreas

COMMON BILE DUCT

- TX Primary tumour cannot be assessed
- T0 No evidence of primary tumour
- Tis Carcinoma in situ
- T1 Tumour confined to the bile duct histologically
- T2 Tumour invades beyond the wall of the bile duct
- T3 Tumour invades the gallbladder, pancreas, duodenum, or other adjacent organs without involvement of the celiac axis, or the superior mesenteric artery
- T4 Tumour involves the celiac axis, or the superior mesenteric artery

Regional lymph node category (pN)

- NX Regional lymph nodes cannot be assessed
- N0 No regional lymph node metastasis
- N1 Regional lymph node metastasis

Distant metastasis category (pM)

- M0 No distant metastases
- M1 Distant metastasis