COSD mapping for Appendix K: Reporting proforma for liver resection: perihilar cholangiocarcinoma in list format

RCPath Data set item element name	Values	Implementation comments	COSD Pathology v4.0.2 (2020)	COSD Pathology v5.1.1 (2024)
Surname			CR0050 - Person Family Name	CR0050 - Person Family Name
Forenames			CR0060 - Person Given Name	CR0060 - Person Given Name
Date of birth			CR0100 - Person Birth Date	CR0100 - Person Birth Date
Sex			CR3170 - Person Stated Gender Code	CR3170 - Person Stated Gender Code
Hospital			pCR0800 - Organisation Identifier (of Reporting Pathologist)	pCR0800 - Organisation Identifier (of Reporting Pathologist)
Hospital no			CR0020 - Local Patient Identifier	CR0020 - Local Patient Identifier
NHS/CHI no		CHI number not recorded in COSD	CR0010 - NHS Number	CR0010 - NHS Number
Date of receipt			pCR0770 - Sample Receipt Date	pCR0770 - Sample Receipt Date
Date of reporting			pCR0780 - Investigation Result Date	pCR0780 - Investigation Result Date
Report no			pCR0950 - Service Report Identifier	pCR0950 - Service Report Identifier
Pathologist			pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)	pCR7100 - Professional Registration Issuer Code - Consultant (Pathology Test Requested By)

			pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)	pCR7120 - Professional Registration Entry Identifier - Consultant (Pathology Test Requested By)
Surgeon			Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Gross description				
Type of specimen	Single selection value list:	Use pCR1020 - Pathology Report Text to specify 'List segments (if known) if segmental resection is selected, To specify 'Site/segment of origin' if non-anatomic (wedge resection is selected), use pCR1020 - Pathology Report Text	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Segmental resection		EX- Excision; PE- Partial Excision	EX- Excision; PE- Partial Excision
	- List segments (if known)			
	Non-anatomic (wedge) resection		EX- Excision; PE- Partial Excision	EX- Excision; PE- Partial Excision
	- Site/segment of origin			
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
Specimen weight	Integer	State specimen weight in grams (g)	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
For segmental resections, specimen dimensions:	Integer (antero-posterior (mm))		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Integer (medio-lateral (mm))			
	Integer (supero-inferior (mm))			
Ducts involved:	Multiple selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Right main duct			
	Left main duct			
	Confluence of ducts			

	Common hepatic duct			
Direct invasion of liver	Single selection value list: Yes No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Maximum tumour size	Integer (mm)		pCR08630 - Lesion Size (Pathological)	pCR08630 - Lesion Size (Pathological)
Distance from nearest hepatic resection margin	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Distance from bile duct transection margin	Integer (mm)		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Hepatic metastases present	Single selection value list: Yes No		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Liver capsule intact and smooth	Single selection value list: Yes No		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLVl0030 - Liver Capsule Intact and Smooth Y- Yes N - No
Invasion of adherent organ or adjacent organ	Single selection value list: Yes No		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLVl0040 - Invasion of Adjacent Organ Y- Yes N - No
If yes, which organ	Free text	Please specify if 'Invasion of adherent or adjacent organ = Yes'	Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pLVl0050 - Organ Invaded
	Single selection value list:			

Lymph node(s) received	Yes		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	No			
Portal vein or first left or right branch included?	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Histology				
Tumour type	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Cholangiocarcinoma NOS			
	Arising from IPNB			
	Arising from mucinous cystic neoplasm			
	Other histological type			
If other specify	Free text	Enter value if 'Tumour type = Other histological subtype'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Tumour grade/differentiation (adenocarcinoma):	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Well		G1 - Well differentiated	G1 - Well differentiated
	Moderate		G2 - Moderately differentiated	G2 - Moderately differentiated
	Poor		G3 - Poorly differentiated	G3 - Poorly differentiated
Tumour cells present at hepatic resection margin	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Tumour cells present at main duct transection margin	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
Tumour cells present at circumferential	Single selection value list:		Not in the COSD Pathology data set, although could be	Not in the COSD Pathology data set, although could be
	Yes			

dissection or peritoneal margin	No		recorded within pCR1020 - Pathology Report Text	recorded within pCR1020 - Pathology Report Text
	Not applicable			
If margin is clear: distance to closest resection margin:	Single selection value list:	Specify in millimetres (mm)	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	<1 mm			
	1–10 mm (if yes, state distance (mm)			
	>10 mm			
State distance	Number (mm)	State distance if 'distance to resection margin = 1–10 mm'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Indicate closest margin:	Single selection value list:		Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Hepatic			
	Main duct			
	Circumferential dissection or peritoneal			
Main portal vein/hepatic artery invasion of wall	Single selection value list:	If 'Yes', specify	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
	Yes			
	No			
If yes, which vessel?	Free text	Specify if 'Main portal vein/hepatic artery invasion of wall = Yes'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Microscopic vascular invasion identified	Single selection value list:		pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Present		YU - Yes - vascular/lymphatic invasion present	YU - Yes - vascular/lymphatic invasion present
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present
Perineural invasion identified	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pCR1100 - Perineural Invasion
	Present			1 - Present
	Not identified			2 - Not identified
	Free text			

Best block of tumour for molecular testing			pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Background liver disease	Single selection value list: None Primary sclerosing cholangitis Other (specify)	If other is selected, specify	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text	Not in the COSD Pathology data set, although could be recorded within pCR1020 - Pathology Report Text
Other	Free text	Specify if 'Background liver disease = Other'	pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Number of regional lymph nodes examined:	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
Number of regional lymph nodes with metastases:	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive
Pathological staging pT	Single selection value list: pTis Carcinoma in situ, high grade BilIN pT1 Tumour confined to bile duct with extension up to the muscle layer or fibrous tissue pT2a Tumour invades beyond wall of the bile duct into surrounding adipose tissue pT2b Tumour invades adjacent hepatic parenchyma pT3 Tumour invades unilateral branches of portal vein or hepatic artery	Enter values for pT and pN (e.g. pT1a)	pCR0910 - TCategory (Pathological) = pT	pCR0910 - TCategory (Pathological) = pT

	pT4 Tumour invades the main portal vein or its branches bilaterally or the common hepatic artery or unilateral second order biliary radicals with contralateral portal vein or hepatic artery involvement.			
Pathological staging pN	Single selection value list: pN0 No regional lymph node metastases pN1 Metastasis to 1–3 regional nodes pN2 Metastasis to 4 or more regional nodes	Record non-regional lymph node metastases as pMl	pCR0920 - N Category (Pathological) = pN	pCR0920 - N Category (Pathological) = pN
Pathological staging pM	Free text		pCR0930 - N Category (Pathological) = pM	pCR0930 - N Category (Pathological) = pM
TNM edition number used	UICC8, UICC9	Within COSD, version number and edition are separate but should be reported together	pCR6820 - TNM Version Number (Pathological) pCR6980 - TNM Coding Edition	pCR6820 - TNM Version Number (Pathological) pCR6980 - TNM Coding Edition
SNOMED-CT codes		May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
SNOMED-CT codes		May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology
ICD 11 code:	Perihilar cholangiocarcinoma: XH43E4		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text
Comments/additional information	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text