

## COSD mapping for Appendix D: Reporting proforma for carcinomas of the parathyroid in list format

RCPATH Data set item element name	Values	Implementation comments	COSD Pathology v4.0.2 (2020)	COSD Pathology v5.1.1 (2024)
<b>Surname</b>			CR0050 - Person Family Name	CR0050 - Person Family Name
<b>Forenames</b>			CR0060 - Person Given Name	CR0060 - Person Given Name
<b>Date of birth</b>			CR0100 - Person Birth Date	CR0100 - Person Birth Date
<b>Sex</b>			CR3170 - Person Stated Gender Code	CR3170 - Person Stated Gender Code
<b>Hospital</b>			pCR0800 - Organisation Identifier (of Reporting Pathologist)	pCR0800 - Organisation Identifier (of Reporting Pathologist)
<b>Hospital no</b>			CR0020 - Local Patient Identifier	CR0020 - Local Patient Identifier
<b>NHS/CHI no</b>		CHI number not recorded in COSD	CR0010 - NHS Number	CR0010 - NHS Number
<b>Date of receipt</b>			pCR0770 - Sample Receipt Date	pCR0770 - Sample Receipt Date
<b>Date of reporting</b>			pCR0780 - Investigation Result Date	pCR0780 - Investigation Result Date
<b>Report no</b>			pCR0950 - Service Report Identifier	pCR0950 - Service Report Identifier
<b>Pathologist</b>			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)
<b>Surgeon</b>			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
<b>Clinical information provided</b>	Multiple selection value list:	(select all that apply)	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
	Information not provided			
	Hyperparathyroidism:			
	- Primary			
	- Secondary			
	- Tertiary			
	Previous parathyroid surgery, specify			
	Relevant familial history, specify			
	Presence of a clinical syndrome, specify			
	Other, specify (e.g. imaging, pre-operative FNA)			
<b>Operative procedure</b>	Multiple selection value list:	If multiple selections are used, then these would have to be reported within pCR1020 - Pathology Report Text, as pCR0760 - Pathology Investigation Type is a single selection within COSD	pCR0760 – Pathology Investigation Type (All values)	pCR0760 – Pathology Investigation Type (All values)
	Not specified		99 (Uncertain/other)	99 (Uncertain/other)
	Parathyroidectomy, single gland		EX(Excision)	EX(Excision)
	Parathyroidectomy, en bloc with thyroid lobe		EX(Excision)	EX(Excision)
	Other parathyroid gland sampling		EX(Excision)	EX(Excision)
	- Unilateral		EX(Excision)	EX(Excision)

	- Bilateral		EX(Excision)	EX(Excision)
	Lymph node sampling, specify		BU (Biopsy NOS)	BU (Biopsy NOS)
	Soft tissue of neck, specify		99 (Uncertain/other)	99 (Uncertain/other)
	Other, specify		99 (Uncertain/other)	99 (Uncertain/other)
			pCR0970 – Specimen Nature (All values)	pCR0970 – Specimen Nature (All values)
			1 (Primary tumour)	1 (Primary tumour)
			4 (Regional Lymph Nodes)	4 (Regional Lymph Nodes)
<b>Operative procedure, other (specify)</b>	Free text	Only applicable if Operative procedure, 'Other, specify' is selected	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
<b>Specimens submitted</b>	Multiple selection value list:	(select all that apply)	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
	Not specified			
	Parathyroid:			
	- Left:			
	- Superior			
	- Inferior			
	- Not specified			
	- Right:			
	- Superior			
	- Inferior			
	- Not specified			
	- Other, specify			
	Thyroid gland:			
	- Left:			
	- Right:			
	- Isthmus			
	Lymph nodes, specify site(s) and laterality			

	Other, specify site(s) and laterality			
<b>Tumour site</b>	Multiple selection value list:	(select all that apply)	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
	Not specified			
	Parathyroid:			
	- Left:			
	- Superior			
	- Inferior			
	- Not specified			
	- Right:			
	- Superior			
	- Inferior			
	- Not specified			
	- Mediastinal			
	- Intrathyroidal, specify lobe			
	Soft tissue or muscle, specify site(s) and laterality			
	Lymph nodes, specify site(s) and laterality			
	Other, specify site(s) and laterality			
<b>Specimen weight</b>	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
	Parathyroid alone .....mg			
	Parathyroid with other structure(s), .....mg, specify structure(s)			
	Cannot be assessed, specify			
<b>Maximum tumour dimension (largest tumour)</b>	Size in mm	If it is important to record 'Dimension cannot be assessed', use pCR1020 - Pathology Report Text	pCR0830 - Lesion Size (Pathological)	pCR0830 - Lesion Size (Pathological)
	Single selection value list:			

<b>Histological tumour type</b>	Atypical parathyroid tumour		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
	Parathyroid carcinoma			
<b>Histological tumour grade</b>	Single selection value list:		pCR0860 - Grade of Differentiation (Pathological)	pCR0860 - Grade of Differentiation (Pathological)
	Low grade		G1 - Well differentiated	G1 - Well differentiated
	High grade		G3 - Poorly differentiated	G3 - Poorly differentiated
	Not determined		GX- Grade of differentiation is not appropriate or cannot be assessed	GX- Grade of differentiation is not appropriate or cannot be assessed
	Not applicable (i.e. atypical neoplasm tumour)		GX- Grade of differentiation is not appropriate or cannot be assessed	GX- Grade of differentiation is not appropriate or cannot be assessed
<b>Extent of invasion</b>	Multiple selection value list:	(select all that apply)	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
	Cannot be assessed			
	Confined to parathyroid without invasion through tumour capsule			
	Invasion through tumour capsule			
	Invasion into extra-parathyroidal soft tissue			
	Invasion into adjacent structures, specify:			
	-Recurrent laryngeal nerve			
	-Thyroid gland			
	- Oesophagus			
	- Skeletal muscle			
	- Other, specify			
<b>Lymphovascular invasion</b>	Single selection value list:		pCR0870 - Cancer Vascular or Lymphatic Invasion	pCR0870 - Cancer Vascular or Lymphatic Invasion
	Not identified		NU - No - vascular/lymphatic invasion not present	NU - No - vascular/lymphatic invasion not present

	Present		YU - Yes - vascular/lymphatic invasion present	YU - Yes - vascular/lymphatic invasion present
<b>Perineural invasion</b>	Single selection value list:		Not in the COSD Pathology v4.0.2 data set, although could be recorded within pCR1020 - Pathology Report Text	pCR100 - Perineural Invasion
	Not identified			2 - Not identified
	Present			1 - Present
<b>Necrosis</b>	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
	Not identified			
	Present			
<b>Mitotic count</b>	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
	per 2 mm <sup>2</sup>			
	Cannot be assessed			
<b>Margin status</b>	Single selection value list:	To record 'structure/location is involved at margin(s)', use pCR1020 - Pathology Report Text	pCR0880 - Excision Margin	pCR0880 - Excision Margin
	Not involved (R0)		01 - Excision margins are clear (distance from margin not stated)	01 - Excision margins are clear (distance from margin not stated)
	Involved			
	- Abutting tissue edge (R1 resection)		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
	- Transected, fragmented or ruptured (possible R2 resection)		05 - Tumour reaches excision margin	05 - Tumour reaches excision margin
	Specify if named, structure/location is involved at margin(s)			
	Cannot be assessed, specify		06 - Uncertain	06 - Uncertain
<b>Number of lymph nodes examined</b>	Integer		pCR0890 - Number of Nodes Examined	pCR0890 - Number of Nodes Examined
<b>Number of involved lymph nodes</b>	Integer		pCR0900 - Number of Nodes Positive	pCR0900 - Number of Nodes Positive

<b>Number cannot be determined</b>	Free text		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
<b>Histologically confirmed distant metastases</b>	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
	Not identified			
	Not assessed			
	Present, specify site(s)			
<b>Pathological Staging</b>	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
	m – multiple primary tumours			
	r – recurrent			
	y – post-therapy			
<b>TNM edition number used</b>	UICC8, UICC9	Within COSD, version number and edition are separate but should be reported together	pCR6820 - TNM Version Number (Pathological)	pCR6820 - TNM Version Number (Pathological)
			pCR6980 - TNM Coding Edition	pCR6980 - TNM Coding Edition
<b>Primary tumour (pT)</b>	Single selection value list:		pCR0910 - T Category (Pathological)	pCR0910 - T Category (Pathological)
	TX Primary tumour cannot be assessed			
	Tis Atypical parathyroid neoplasm (neoplasm of UMP) <sup>a</sup>			
	T1 Localised to the parathyroid gland with extension limited to soft tissue			
	T2 Direct invasion into the thyroid gland			
	T3 Direct invasion into recurrent laryngeal nerve, oesophagus, trachea,			

	skeletal muscle, adjacent lymph nodes, or thymus			
	T4 Direct invasion into major blood vessel or spine			
<b>Regional lymph nodes (pN)</b>	Single selection value list:		pCR0920 - N Category (Pathological)	pCR0920 - N Category (Pathological)
	NX Regional lymph nodes cannot be assessed			
	N0 No regional lymph node metastasis			
	N1 Regional lymph node metastasis			
	N1a Metastasis to level VI (pretracheal, paratracheal and prelaryngeal/Delphian lymph nodes) or superior mediastinal lymph nodes (level VII)			
	N1b Metastasis to unilateral, bilateral or contralateral cervical (level I, II, III, IV or V) or retropharyngeal nodes			
<b>SNOMED topography code</b>	Free text	May have multiple codes. Look up from SNOMED tables.	pCR6410 - Topography (SNOMED) Pathology	pCR6410 - Topography (SNOMED) Pathology
<b>SNOMED morphology code</b>	Free text	May have multiple codes. Look up from SNOMED tables.	pCR6420 - Morphology (SNOMED) Pathology	pCR6420 - Morphology (SNOMED) Pathology
<b>Further comments</b>	Free text		pCR1020 - Pathology Report Text	pCR1020 - Pathology Report Text