

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) |
|-----------------------------------|--------|---------------------------------|--|--|
| 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) |

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| | | | 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 |
| Clinical information provided | Multiple selection value list: 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) | (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 |
| Operative procedure | Multiple selection value list: Not specified Parathyroidectomy, single gland Parathyroidectomy, en bloc with thyroid lobe Other parathyroid gland sampling - Unilateral | 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) 99 (Uncertain/other) EX(Excision) EX(Excision) EX(Excision) EX(Excision) | pCR0760 – Pathology Investigation Type (All values) 99 (Uncertain/other) EX(Excision) EX(Excision) EX(Excision) EX(Excision) |

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| | <ul style="list-style-type: none"> - Bilateral Lymph node sampling, specify Soft tissue of neck, specify Other, specify | | EX(Excision) BU(Biopsy NOS) 99 (Uncertain/other) 99 (Uncertain/other) | EX(Excision) BU(Biopsy NOS) 99 (Uncertain/other) 99 (Uncertain/other) |
| | | | pCR0970 – Specimen Nature (All values) 1 (Primary tumour) 4 (Regional Lymph Nodes) | pCR0970 – Specimen Nature (All values) 1 (Primary tumour) 4 (Regional Lymph Nodes) |
| Operative procedure, other (specify) | 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 |
| Specimens submitted | Multiple selection value list: 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 | (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 |

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| | Other, specify site(s) and laterality | | | |
| Tumour site | 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 | | | |
| Specimen weight | Soft tissue or muscle, specify site(s) and laterality | | 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 |
| | Lymph nodes, specify site(s) and laterality | | | |
| | Other, specify site(s) and laterality | | | |
| | Single selection value list: | | | |
| Maximum tumour dimension (largest tumour) | Parathyroid alone mg | | 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 with other structure(s), mg, specify structure(s) | | | |
| | Cannot be assessed, specify | | | |
| | Size in mm | | | |
| | Single selection value list: | | | |

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| Histological tumour type | 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 | | | |
| Histological tumour grade | 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 |
| Extent of invasion | 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 | | | |
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| Lymphovascular invasion | 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 |

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| | Present | | YU - Yes - vascular/lymphatic invasion present | YU - Yes - vascular/lymphatic invasion present |
| Perineural invasion | 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 |
| | Not identified | | | 2 - Not identified |
| | Present | | | 1 - Present |
| Necrosis | 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 | | | |
| Mitotic count | 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 ² | | | |
| | Cannot be assessed | | | |
| Margin status | 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 |
| Number of lymph nodes examined | Integer | | pCR0890 - Number of Nodes Examined | pCR0890 - Number of Nodes Examined |
| Number of involved lymph nodes | Integer | | pCR0900 - Number of Nodes Positive | pCR0900 - Number of Nodes Positive |

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| Number cannot be determined | 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 |
| Histologically confirmed distant metastases | 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) | | | |
| Pathological Staging | 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 | | | |
| TNM edition number used | UICC8, UICC9 | Within COSD, version number and edition are separate but should be reported together | pCR6820 - TNMVersion Number (Pathological) | pCR6820 - TNMVersion Number (Pathological) |
| | | | pCR6980 - TNMCoding Edition | pCR6980 - TNMCoding Edition |
| Primary tumour (pT) | Single selection value list: | | pCR0910 - TCategory (Pathological) | pCR0910 - TCategory (Pathological) |
| | TX Primary tumour cannot be assessed | | | |
| | Tis Atypical parathyroid neoplasm (neoplasm of UMP) ^a | | | |
| | 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, | | | |

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| | skeletal muscle, adjacent lymph nodes, or thymus | | | |
| | T4 Direct invasion into major blood vessel or spine | | | |
| Regional lymph nodes (pN) | 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 | | | |
| SNOMED topography code | Free text | May have multiple codes. Look up from SNOMED tables. | pCR6410 - Topography (SNOMED) Pathology | pCR6410 - Topography (SNOMED) Pathology |
| SNOMED morphology code | Free text | May have multiple codes. Look up from SNOMED tables. | pCR6420 - Morphology (SNOMED) Pathology | pCR6420 - Morphology (SNOMED) Pathology |
| Further comments | Free text | | pCR1020 - Pathology Report Text | pCR1020 - Pathology Report Text |