

Carcinoma of the Thyroid Histopathology Reporting Guide



Family/Last name

Date of birth

Given name(s)

Patient identifiers

Date of request

Accession/Laboratory number

Elements in **black text** are CORE. Elements in **grey text** are NON-CORE.

SCOPE OF THIS DATASET

indicates multi-select values indicates single select values

CLINICAL INFORMATION (select all that apply)

- Information not provided
- Previous history of thyroid tumour or related abnormality, *specify*
- Relevant biopsy/cytology results, *specify*
- Imaging findings, *specify*
- Previous surgery/therapy, *specify*
- Relevant familial history, *specify*
- Presence of clinical syndrome, *specify*
- Other, *specify*

OPERATIVE PROCEDURE (select all that apply)

- Not specified
- Total thyroidectomy
- Near total thyroidectomy
- Hemithyroidectomy
- Lobectomy
- Isthmusectomy
- Partial excision,^a *specify type if possible*
- Lymph node dissection
- Other, *specify*

^a Anything less than a lobectomy excluding isthmusectomy, including substernal excision.

OPERATIVE FINDINGS

- Not specified
- Intra-operative macroscopic evidence of extrathyroidal extension**
 - Yes, *specify location and tissue invaded*
 - No
 - Information not available
- Intra-operative impression of completeness of excision**
 - R0/R1
 - R2, *specify location*
 - Information not available
- Other, *specify***

SPECIMEN(S) SUBMITTED (select all that apply) 

- Not specified
- Thyroid gland
 Left Right Isthmus


- Parathyroid gland(s)
- Lymph node(s), *specify site(s) and laterality*

- Other, *specify site(s) and laterality*

TUMOUR FOCALITY 

- Unifocal
- Multifocal, *specify number of tumours in specimen (if >5 state such but no need to specify the number)*

- Cannot be assessed, *specify*

TUMOUR SITE (select all that apply) 
(For the most clinically relevant tumour)

- Not specified
- Lobe
 Left Right

- Isthmus
- Pyramidal lobe
- Soft tissue or muscle, *specify site(s) and laterality*

- Other, *specify site(s) and laterality*

TUMOUR DIMENSIONS 

Maximum tumour dimension (largest tumour)

 mm

Additional dimensions (largest tumour)

 mm x mm

- Cannot be assessed, *specify*

HISTOLOGICAL TUMOUR TYPE (select all that apply) *(Value list from the World Health Organization Classification of Tumours: Pathology and Genetics of Tumours of Endocrine Organs (2017))*

- Papillary thyroid carcinoma
 Classic (usual, conventional)
 Columnar cell variant
 Cribriform-morular variant
 Diffuse sclerosing variant
 Encapsulated variant
 Encapsulated/well demarcated follicular variant with invasion
 Infiltrative follicular variant
 Hobnail variant
 Microcarcinoma
 Oncocytic variant
 Solid variant
 Tall cell variant
 Warthin-like variant
 Other variant, *specify*

- Follicular thyroid carcinoma (FTC)
 FTC, minimally invasive
 FTC, encapsulated angioinvasive
 FTC, widely invasive

- Hürthle (oncocytic) cell tumours
 Hürthle cell carcinoma, minimally invasive
 Hürthle cell carcinoma, encapsulated angioinvasive
 Hürthle cell carcinoma, widely invasive

- Poorly differentiated thyroid carcinoma
- Anaplastic thyroid carcinoma
- Squamous cell carcinoma
- Medullary thyroid carcinoma
- Mixed medullary and follicular thyroid carcinoma
- Mucoepidermoid carcinoma
- Sclerosing mucoepidermoid carcinoma with eosinophilia
- Mucinous carcinoma
- Spindle epithelial tumour with thymus-like differentiation
- Intrathyroid thymic carcinoma
- Other, *specify*

MITOTIC ACTIVITY^b 

- Not identified/low (<3 mitoses/2 mm²)
- High (≥3 mitoses/2 mm²)

Number of mitoses per 2 mm²

- Cannot be assessed

^b 2 mm² approximates 10 HPFs on some microscopes.**HISTOLOGICAL TUMOUR GRADE** 

- Well-differentiated
- Poorly differentiated
- Undifferentiated/anaplastic

TUMOUR ENCAPSULATION/CIRCUMSCRIPTION 

- Encapsulated
- Infiltrative
- Other, *specify*

CAPSULAR INVASION 

- Not applicable
- Uncertain
- Not identified
- Present
- Cannot be assessed, *specify*

LYMPHATIC OR BLOOD VESSEL INVASION 

- Not identified
- Present

Type of vessel involved (select all that apply)

- Blood vessel
 - Number of vessels involved, for encapsulated neoplasms, *specify*
 - Focal, 1-3 foci
 - Extensive, ≥ 4 foci

- Lymphatic
- Small vessel, not otherwise classifiable

Extrathyroidal blood vessel invasion

- Not identified
- Present

- Cannot be assessed, *specify*

NECROSIS 

- Not identified
- Present

EXTRATHYROIDAL EXTENSION (select all that apply) 

- Cannot be assessed
- Not identified
- Invasion into perithyroid fibroadipose tissue
- Invasion into skeletal muscle
- Invasion into subcutaneous soft tissue, larynx, trachea, oesophagus or recurrent laryngeal nerve
- Invasion into prevertebral fascia or encasing the carotid artery or mediastinal vessel

MARGIN STATUS 

- Not involved

Distance of tumour to closest margin mm

- Involved, *specify (anterior or posterior)*

- Cannot be assessed, *specify*

LYMPH NODE STATUS 

- No nodes submitted or found

Number of lymph nodes examined

- Not involved

- Involved

Number of positive lymph nodes

- Number cannot be determined

Location of involved lymph nodes, *specify*

Greatest dimension of largest lymph node with metastasis

 mm

Greatest dimension of largest metastatic focus in lymph node

 mm
Extranodal extension

- Not identified
- Present
- Cannot be determined

C-CELL HYPERPLASIA 

(*Medullary carcinoma only*)

- Not identified

- Present

- Unilateral

- Bilateral

COEXISTENT PATHOLOGY (select all that apply) 

- None identified
- Nodular hyperplasia
- Diffuse hyperplasia
- Dyshormonogenetic goitre
- Chronic lymphocytic thyroiditis
- Follicular adenoma
- Hürthle cell adenoma
- Noninvasive follicular thyroid neoplasm with papillary-like nuclear features (NIFTP)
- Other, *specify*

PARATHYROID GLAND STATUS 

- Not identified

- Present

Number of parathyroid gland(s) found

- Normal
- Involved by carcinoma
- Hypercellular/enlarged

ANCILLARY STUDIES

- Not performed
 Performed, *specify*

▼

HISTOLOGICALLY CONFIRMED DISTANT METASTASES

- Not identified
 Not assessed
 Present, *specify site(s)*

▼

PATHOLOGICAL STAGING (UICC TNM 8th edition)^c

TNM Descriptors (only if applicable) (select all that apply)

- m - multiple primary tumours
 r - recurrent
 y - post-therapy

Primary tumour (pT)^d

- TX Primary tumour cannot be assessed
 T1 Tumour 2 cm or less in greatest dimension, limited to the thyroid
 T1a Tumour 1 cm or less in greatest dimension, limited to the thyroid
 T1b Tumour more than 1 cm but not more than 2 cm in greatest dimension, limited to the thyroid
 T2 Tumour more than 2 cm but not more than 4 cm in greatest dimension, limited to the thyroid
 T3 Tumour more than 4 cm in greatest dimension, limited to the thyroid or with gross extrathyroidal extension invading only strap muscles (sternohyoid, sternothyroid, or omohyoid muscles)
 T3a Tumour more than 4 cm in greatest dimension, limited to the thyroid
 T3b Tumour of any size with gross extrathyroidal extension invading strap muscles (sternohyoid, sternothyroid, or omohyoid muscles)
 T4^e Includes gross extrathyroidal extension into major neck structures
 T4a Tumour extends beyond the thyroid capsule and invades any of the following: subcutaneous soft tissues, larynx, trachea, oesophagus, recurrent laryngeal nerve
 T4b Tumour invades prevertebral fascia, mediastinal vessels, or encases carotid artery

^d Including papillary, follicular, poorly differentiated, Hürthle cell and anaplastic carcinomas.

^e T4 has been added for clarity from AJCC TNM 8th edition.

Regional lymph nodes (pN)

- NX Regional lymph nodes cannot be assessed
 N0 No regional lymph node metastasis
 N1 Regional lymph node metastasis
 N1a Metastasis in level VI (pretracheal, paratracheal, and prelaryngeal/Delphian lymph nodes) or upper/superior mediastinum
 N1b Metastasis in other unilateral, bilateral or contralateral cervical (levels I, II, III, IV or V) or retropharyngeal

^c Reproduced with permission. Source: UICC TNM Classification of Malignant Tumours, 8th Edition, eds by James D. Brierley, Mary K. Gospodarowicz, Christian Wittekind. 2016, Publisher Wiley-Blackwell.