

Prognosis of DTC patients with TX stage

Supplemental Table 1. AJCC Cancer Staging Manual, 6th Edition: Protocol for Differentiated Thyroid Carcinoma

AJCC Staging Protocol for DTC, 6th Edition			
Primary tumor (T)			
TX Primary tumor cannot be assessed			
T0 No evidence of primary tumor			
T1 Tumor 2 cm or less in greatest dimension limited to the thyroid			
T2 Tumor more than 2 cm but not more than 4 cm in greatest dimension limited to the thyroid			
T3 Tumor more than 4 cm in greatest dimension limited to the thyroid or any tumor with minimal extrathyroid extension (e.g., extension to the sternothyroid muscle or perithyroid soft tissues)			
T4a Tumor of any size extending beyond the thyroid capsule to invade subcutaneous soft tissues, larynx, trachea, esophagus, or recurrent laryngeal nerve			
T4b Tumor invades prevertebral fascia or encases carotid artery or mediastinal vessels			
Note: All categories may be subdivided: (a) solitary tumor, (b) multifocal (the largest determines the classification).			
Regional nodes (N)			
NX Regional lymph nodes cannot be assessed			
N0 No regional node metastasis			
N1 Regional node involvement			
N1a Nodal metastasis to level VI (pretracheal, paratracheal, and prelaryngeal/Delphian lymph nodes)			
N1b Metastasis to unilateral, bilateral, or contralateral cervical or cervical or superior mediastinal lymph nodes			
Regional lymph nodes are the central compartment, lateral cervical, and upper mediastinal lymph nodes.			
Distant metastasis (M)			
MX Distant metastasis cannot be assessed			
M0 No distant metastasis			
M1 Distant metastasis			
AJCC Staging grouping			
For patients <45 years			
Stage I	Any T	Any N	M0
Stage II	Any T	Any N	M1
For patients ≥45 years			
Stage I	T1	N0	M0
Stage II	T2	N0	M0
Stage III	T3	N0	M0
	T1	N1a	M0
	T2	N1a	M0
Stage IVa	T3	N1a	M0
	T4a	N0	M0
	T4a	N1a	M0
Stage IVb	T1	N1b	M0
	T2	N1b	M0
	T3	N1b	M0
Stage IVc	T4a	N1b	M0
	T4b	Any N	M0
Stage IVc	Any T	Any N	M1

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Supplemental Table 2. AJCC Cancer Staging Manual, 7th Edition: Protocol for Differentiated Thyroid Carcinoma

AJCC Staging Protocol for DTC, 7th Edition			
Primary tumor (T)			
TX Primary tumor cannot be assessed			
T0 No evidence of primary tumor			
T1 ≤2 cm, limited to the thyroid			
T1a ≤1 cm			
T1b >1 cm and ≤2 cm			
T2 >2 cm and ≤4 cm, limited to the thyroid			
T3 >4 cm, limited to the thyroid or any tumor with minimal extra-thyroid extension (e.g., to the sternothyroid muscle or perithyroid soft tissues)			
T4a Tumor of any size extending beyond the thyroid capsule to invade subcutaneous soft tissues, larynx, trachea, esophagus, or recurrent laryngeal nerve			
T4b Tumor invades prevertebral fascia or encases carotid artery or mediastinal vessels			
Regional nodes (N)			
NX Regional lymph nodes cannot be assessed			
N0 No regional node metastasis			
N1 Regional node involvement			
N1a Nodal metastasis to level VI (pretracheal, paratracheal, and prelaryngeal/Delphian lymph nodes)			
N1b Nodal metastasis to unilateral, bilateral, or contralateral cervical (Levels I, II, III, IV, or V) or retropharyngeal or cervical or superior mediastinal lymph nodes (Level VII)			
Distant metastasis (M)			
M0 No distant metastasis			
M1 Distant metastasis			
AJCC Staging grouping			
For patients <45 years			
Stage I	Any T	Any N	M0
Stage II	Any T	Any N	M1
For patients ≥45 years			
Stage I	T1	N0	M0
Stage II	T2	N0	M0
Stage III	T3	N0	M0
	T1-3	N1a	M0
Stage IVa	T4a	N0-1a	M0
	T1-4a	N1b	M0
Stage IVb	T4b	Any N	M0
Stage IVc	Any T	Any N	M1

Supplemental Table 3. Distribution of TX patients according to AJCC Cancer Staging Manual (7th Edition)

	Stage		
	I (%)	II (%)	IVC (%)
TX	593 (86.2)	8 (1.2)	87 (12.6)