Table 4 Prognostic classification of thyroid tumors based on Ki67 labeling index proposed by Kakudo et al. (Reference 17) and Ki67 labeling rate described in WHO classification (left)

WHO Classification [reference 1]			Prognostic classification using growth rate [reference 17]		
Tumors	Ki-67		Tumors		Ki-67
			・Benign		
Normal thyroid follicular cells	< 3%		Follicular adenoma		< 3%
			・Borderline tumors (T1, N0, EX0, M0)		
			・Encapsulated tumors		
Well-differentiated thyroid carcinoma (papillary carcinoma and follicular carcinoma)	< 10%		WDT-UMP, FT-UMP, NIFTP, NEPRA, Non-invasive encapsulated PTC, Capsular invasion only FTC		< 3%
			・Non-capsulated (infiltrative) tumor		
			Papillary microcarcinoma		< 3%
			・Malignant tumors (invasive carcinoma, > 1 cm)		
			Low risk		< 5%
			Moderate risk		5-10%
Poorly differentiated carcinoma	10-30%		High risk		10-30%
Anaplastic thyroid carcinoma	> 30%		Anaplastic thyroid carcinoma		> 30%

*NEPRAS：non-invasive encapsulated papillary RAS-like thyroid tumor

WDT-UMP: well-differentiated tumor of uncertain malignant potential

FT-UMP: follicular tumor of uncertain malignant potential

NIFTP: noninvasive encapsulated follicular neoplasm with papillary-like nuclear features

PTC: papillary carcinoma

FTC: follicular carcinoma