

Supplementary Table 1. Summary of US features and US-guided FNAB recommendations

Guideline	Sonographic features	Recommendation
ACR-TIRADS		
Highly suspicious	7 points or more ^{a)}	≥1.0 cm
Moderately suspicious	4 to 6 points ^{a)}	≥1.5 cm
Mildly suspicious	3 points ^{a)}	≥2.5 cm
Not suspicious	2 points ^{a)}	Not indicated
Benign	0 points ^{a)}	Not indicated
AAACE/ACE/AME		
High-risk	Nodules with at least 1 of the following features: marked hypoechoogenicity, spiculated or lobulated margins, microcalcifications, taller than wide shape, extrathyroidal growth	≥1.0 cm
Intermediate-risk	Slightly hypoechoic or isoechoic nodules, with ovoid-to-round shape, smooth or ill-defined margins	>2.0 cm
Low-risk	Cysts, mostly cystic nodules with reverberating artifacts and not associated with suspicious US signs, isoechoic spongiform nodules	Not indicated
Unclassified	Isolated macrocalcification	–
EU-TIRADS		
High-risk	At least 1 of the following features of high suspicion: irregular shape, irregular margins, microcalcifications, marked hypoechoogenicity (and solid)	>1.0 cm
Intermediate-risk	Ovoid, smooth, mildly hypoechoic No features of high suspicion	>1.5 cm
Low-risk	Ovoid, smooth, isoechoic/hyperechoic No features of high suspicion	>2.0 cm
Benign	Pure cyst, entirely spongiform	Not indicated
Unclassified	Isolated macrocalcification	–
Modified K-TIRADS		
High suspicion	Solid hypoechoic nodule with any of three suspicious US features (microcalcification, nonparallel orientation, spiculated/microlobulated margin);	>1.0 cm
Intermediate suspicion	(1) Solid hypoechoic nodule without any of three suspicious US features or (2) partially cystic or isohyperechoic nodule with any of three suspicious US features, (3) entirely calcified nodule	>1.0 or 1.5 cm
Low suspicion	Partially cystic or isohyperechoic nodule without any of three suspicious US features;	>2.0 cm
Benign	(1) Spongiform, (2) partially cystic nodule with intracystic echogenic foci with comet tail artifact, (3) pure cyst	Not indicated

US, ultrasonography; FNAB, fine-needle aspiration biopsy; ACR, American College of Radiology; TIRADS, Thyroid Imaging Reporting and Data System; AAACE/ACE/AME, American Association of Clinical Endocrinologists/American College of Endocrinology/Associazione Medici Endocrinologi; EU, European; K-TIRADS, Korean Thyroid Imaging Reporting and Data System.

^{a)}Points are allotted for all ultrasonographic features of a nodule, with more suspicious features being awarded more points.