

**Supplementary Table 5.** Univariable analysis of the associations of clinicopathologic and US features with recurrence and distant metastasis

Clinical characteristic	Recurrence		Distant metastasis	
	OR (95% CI)	P-value	OR (95% CI)	P-value
Age (year)	0.990 (0.956–1.025)	0.573	1.008 (0.938–1.082)	0.834
Sex	0.696 (0.252–1.922)	0.485	NA	NA
Size on US (mm)	1.113 (0.955–1.297)	0.169	0.997 (0.706–1.408)	0.987
US features				
Composition				
Predominantly cystic	1		1	
Predominantly solid	0.515 (0.050–5.273)	0.576	NA	NA
Solid	0.293 (0.082–1.042)	0.058	NA	NA
Echogenicity				
Hyperechoic or isoechoic	1		1	
Hypoechoic	0.453 (0.160–1.281)	0.136	NA	NA
Marked hypoechoic	0.238 (0.045–1.256)	0.091	NA	NA
Margin				
Circumscribed	1		1	
Not circumscribed	0.709 (0.257–1.957)	0.507	NA	NA
Calcification				
None	1		1	
Macro- or eggshell calcifications	0.644 (0.251–1.654)	0.360	2.372 (0.331–17.004)	0.390
Micro- or mixed calcifications	0.761 (0.234–2.469)	0.649	0.612 (0.055–6.785)	0.689
Shape				
Parallel	1		1	
Taller-than-wide	0.801 (0.342–1.876)	0.609	0.643 (0.107–3.869)	0.629
Number of suspicious US features	0.769 (0.512–1.157)	0.208	NA	NA
ACR TI-RADS point total	0.881 (0.758–1.024)	0.099	1.047 (0.751–1.460)	0.787
ACR TI-RADS				
TR1-3	1		1	
TR4	0.579 (0.111–3.020)	0.516	NA	NA
TR5	0.323 (0.070–1.491)	0.147	NA	NA
2015 ATA				
Very low to low suspicion	1		1	
Intermediate suspicion	0.410 (0.093–1.805)	0.239		
High suspicion	0.263 (0.072–0.960)	0.043	NA	NA
Pathologic features				
Extrathyroidal extension				
No	1		1	
Yes	1.084 (0.437–2.693)	0.862	NA	NA
Multifocality				
No	1		1	
Yes	1.469 (0.629–3.431)	0.374	2.190 (0.364–13.183)	0.392
Bilaterality				
No	1		1	
Yes	1.677 (0.707–3.981)	0.241	3.611 (0.599–21.753)	0.161
High-volume central LN metastasis				
No	1		1	
Yes	4.759 (1.790–12.650)	0.002	8.034 (1.316–49.031)	0.024
Lateral LN metastasis				
No	1		1	
Yes	2.629 (1.004–6.886)	0.049	1.694 (0.187–15.314)	0.639

US, ultrasound; OR, odds ratio; CI, confidence interval; ACR TI-RADS, American College of Radiology Thyroid Imaging Reporting and Data System; 2015 ATA, 2015 American Thyroid Association; LN, lymph node.