

Supplemental Table S6. Univariate and Multivariate Analysis of Recurrence-Free Survival in Medullary Thyroid Carcinoma Patients

Variable	No. of patient	Event	Univariate		Multivariate (model 1) ^a		Multivariate (model 2) ^b	
			HR (95% CI)	P value	HR (95% CI)	P value	HR (95% CI)	P value
Age, yr								
<55	136	67	Ref					
≥55	82	28	0.905 (0.579–1.415)	0.662				
Sex								
Male	77	43	Ref		Ref		Ref	
Female	141	52	0.525 (0.349–0.789)	0.002	0.610 (0.365–1.019)	0.059	0.683 (0.404–1.155)	0.155
Hereditary								
Sporadic	165	64	Ref		Ref		Ref	
Hereditary	53	31	1.463 (0.947–2.259)	0.086	1.992 (1.169–3.394)	0.011	1.966 (1.058–3.651)	0.032
Tumor size, cm								
<2	111	28	Ref		Ref		Ref	
≥2	78	42	2.635 (1.630–4.258)	<0.001	1.666 (0.940–2.951)	0.080	1.801 (0.987–3.288)	0.055
Surgical extent								
Lobectomy	17	8	Ref					
Total thyroidectomy	209	95	1.079 (0.517–2.252)	0.839				
Lymph node dissection								
None	39	19	Ref		Ref			
CND	88	16	0.442 (0.224–0.871)	0.018	0.602 (0.261–1.390)	0.235		
LND	75	47	2.014 (1.159–3.499)	0.013	1.433 (0.694–2.960)	0.331		
Extrathyroidal extension								
None	129	29	Ref		Ref		Ref	
Microscopic	39	26	5.965 (3.467–10.260)	<0.001	4.850 (2.713–8.672)	<0.001	4.960 (2.495–9.857)	<0.001
Gross	15	11	5.323 (2.636–10.750)	<0.001	3.720 (1.660–8.338)	0.001	3.448 (1.491–7.973)	0.004
Resection margin								
Negative	175	63	Ref					
Positive	9	5	2.099 (0.831–5.303)	0.117				
Lymph node metastasis								
None	63	7	Ref				Ref	
Central nodes	40	16	3.686 (1.515–8.970)	0.004			2.691 (1.088–6.657)	0.032
Lateral and mediastinal nodes	53	35	10.026 (4.430–22.690)	<0.001			4.020 (1.635–9.885)	0.002

HR, hazard ratio; CI, confidence interval; CND, central node dissection; LND, lateral node dissection.

^aModel 1: adjusted for age, sex, hereditary/sporadic, tumor size, lymph node dissection, resection margin, and initial distant metastasis; ^bModel 2: adjusted for age, sex, hereditary/sporadic, tumor size, resection margin, lymph node metastasis, and initial distant metastasis.