

Supplemental Table S7. Univariate and Multivariate Analysis of Distant Metastasis-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	36	Ref					
≥55	82	22	1.256 (0.735–2.146)	0.404				
Sex								
Male	77	30	Ref		Ref		Ref	
Female	141	28	0.431 (0.257–0.722)	0.001	0.551 (0.280–1.081)	0.083	0.679 (0.349–1.321)	0.255
Hereditary								
Sporadic	165	42	Ref					
Hereditary	53	16	1.198 (0.673–2.131)	0.539				
Tumor size, cm								
<2	111	15	Ref		Ref		Ref	
≥2	78	24	2.785 (1.459–5.316)	0.002	1.642 (0.759–3.552)	0.208	1.919 (0.870–4.235)	0.106
Surgical extent								
Lobectomy	17	4	Ref					
Total thyroidectomy	209	62	1.319 (0.480–3.626)	0.592				
Lymph node dissection								
None	39	10	Ref		Ref			
CND	88	8	0.380 (0.150–0.965)	0.042	0.679 (0.185–2.497)	0.561		
LND	75	31	2.203 (1.077–4.508)	0.031	1.944 (0.627–6.028)	0.249		
Extrathyroidal extension								
None	129	13	Ref		Ref		Ref	
Microscopic	39	15	6.705 (3.146–14.290)	<0.001	4.986 (2.223–11.182)	<0.001	5.000 (2.087–11.981)	<0.001
Gross	15	8	5.323 (3.449–20.280)	<0.001	3.520 (1.237–10.016)	0.018	3.034 (1.049–8.771)	0.041
Resection margin								
Negative	175	34	Ref		Ref		Ref	
Positive	9	5	3.962 (1.539–10.200)	0.004	1.510 (0.472–4.832)	0.487	1.958 (0.709–5.405)	0.194
Lymph node metastasis								
None	63	3	Ref				Ref	
Central nodes	40	10	5.425 (1.493–19.720)	0.010			3.402 (0.918–12.613)	0.067
Lateral and mediastinal nodes	53	22	13.150 (3.923–44.080)	<0.001			4.833 (1.314–17.914)	0.018

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.