

**S11 Table.** Univariate and multivariate analysis of RFS and OS in R0 resected oral cavity HNSCC (n=180)

Variable	OS				RFS			
	Univariate		Multivariate		Univariate		Multivariate	
	HR (95% CI)	P-value	HR (95% CI)	P-value	HR (95% CI)	P-value	HR (95% CI)	P-value
Age (yr) <sup>a)</sup>								
< 58	1		1		1		1	
≥ 58	2.722 (1.378-5.376)	0.004	2.317 (1.123-4.780)	0.023	2.135 (1.231-3.702)	0.007	1.935 (1.064-3.517)	0.030
Sex								
Female	1		-		1		-	
Male	0.810 (0.419-1.565)	0.531	-	-	0.913 (0.525-1.589)	0.748	-	-
Smoking								
Non-smoker	1		-		1		-	
Ex-smoker	0.683 (0.256-1.820)	0.446	-	-	0.823 (0.372-1.818)	0.629	-	-
Smoker	1.073 (0.514-2.242)	0.852	-	-	1.317 (0.722-2.404)	0.369	-	-
p16 IHC status								
Negative	1		-		1		-	
Positive	1.281 (0.497-3.306)	0.608	-	-	1.030 (0.439-2.417)	0.945	-	-
Lymphovascular invasion								
Absent	1		1		1		1	
Present	2.444 (1.063-5.618)	0.035	1.918 (0.854-4.308)	0.115	2.568 (1.282-5.143)	0.008	1.983 (1.026-3.831)	0.042
Perineural invasion								
Absent	1		-		1		1	
Present	1.737 (0.789-3.821)	0.170	-	-	2.262 (1.223-4.182)	0.009	2.103 (1.083-4.083)	0.028

Pathologic T category								
pT1-2	1		1		1		1	
pT3-4	3.080 (1.536-6.176)	0.002	2.685 (1.214-5.937)	0.015	2.818 (1.560-5.089)	0.001	2.082 (1.004-4.318)	0.049
Lymph node metastasis								
Absent	1		-		1		-	
Present	1.914 (0.983-3.725)	0.056	-	-	1.527 (0.884-2.636)	0.129	-	-
TrkA expression								
Low	1		-		1		-	
High	0.786 (0.393-1.572)	0.496	-	-	0.929 (0.528-1.634)	0.798	-	-
TrkB expression								
Low	1		-		1		-	
High	0.641 (0.319-1.284)	0.209	-	-	0.564 (0.312-1.021)	0.059	-	-
panTrk expression								
Low	1		1		1		1	
High	2.026 (1.040-3.948)	0.038	1.197 (0.532-2.691)	0.664	2.463 (1.423-4.264)	0.001	1.904 (0.973-3.725)	0.060

RFS, recurrence-free survival; OS, overall survival; HNSCC, head and neck squamous cell carcinoma; HR, hazard ratio; CI, confidence interval; IHC, immunohistochemistry. <sup>a)</sup>Median age of 82 patients was 58.0 years.