

Supplementary Table S1		Univariable analysis		Multivariable analysis	
PFS		HR (95% CI)	P-value	HR (95% CI)	P-value
inflammatory signature	high score group (reference)		0.0025		0.00069
inflammatory signature	low score group	2.35 (2.10-2.59)		2.4 (1.49-3.9)	
inflammatory signature	intermediate score group	1.42 (1.19-1.66)		1.5 (0.92-2.4)	
ECOG PS	1 vs 0	1.28 (1.08-1.48)	0.213	1.5 (0.98-2.2)	0.062
subsite	oropharynx vs other	1.52 (1.33-1.72)	0.031	1.5 (1.04-2.3)	0.031

		Univariable analysis		Multivariable analysis	
OS		HR (95% CI)	P-value	HR (95% CI)	P-value
inflammatory signature	high score group (reference)		0.00022		0.00011
inflammatory signature	low score group	3 (2.73-3.27)		3.3 (1.92-5.7)	
inflammatory signature	intermediate score group	1.37 (1.1-1.63)		1.5 (0.89-2.5)	
ECOG PS	1 vs 0	1.39 (1.18-1.6)	0.117	1.7 (1.08-2.5)	0.02
subsite	oropharynx vs other	1.31 (1.1-1.52)	0.193	1.3 (0.88-2.0)	0.178