

Supplementary Table 1.

Characteristic	All Patients (n=62)	HPV Positive (n=35)	HPV Negative (n=27)	p-value
Age at Diagnosis				
Median (range)	58 (34-83)	57 (34-81)	60 (45-83)	0.111
Sex				
F	13 (21.0%)	7 (20.0%)	6 (22.2%)	1
M	49 (79.0%)	28 (80.0%)	21 (77.8%)	
Smoking status				
Non-smoker	20 (32.3%)	17 (48.6%)	3 (11.1%)	0.005
Ex-smoker	18 (29.0%)	9 (25.7%)	9 (33.3%)	
Current smoker	24 (38.7%)	9 (25.7%)	15 (55.6%)	
Alcohol status (missing n=2)				
Non-drinker	9 (15.0%)	6 (17.1%)	3 (11.1%)	0.383
Ex-drinker	4 (6.7%)	3 (8.6%)	1 (3.7%)	
Current drinker	47 (78.3%)	26 (74.3%)	21 (77.8%)	
Grade				
1	4 (6.5%)	3 (8.6%)	1 (3.7%)	0.010
2	33 (53.2%)	13 (37.1%)	20 (74.1%)	
3	25 (40.3%)	19 (54.3%)	6 (22.2%)	
T stage				
1	12 (19.4%)	7 (20.0%)	5 (18.5%)	0.884
2	28 (45.2%)	17 (48.6%)	11 (40.7%)	
3	15 (24.2%)	7 (20.0%)	8 (29.6%)	
4	7 (11.3%)	4 (11.4%)	3 (11.1%)	
N stage				
0	22 (35.5%)	10 (28.6%)	12 (44.4%)	0.632
1	10 (16.1%)	6 (17.1%)	4 (14.8%)	
2	26 (41.9%)	16 (45.7%)	10 (37.0%)	
3	4 (6.5%)	3 (8.6%)	1 (3.7%)	
Treatment				
Radiotherapy + Chemo	10 (16.1%)	8 (22.9%)	2 (7.4%)	0.142
Surgery + Radiotherapy +/- Chemo	43 (69.4%)	24 (68.6%)	19 (70.4%)	
Surgery +/- Chemo	9 (14.5%)	3 (8.6%)	6 (22.2%)	
PD-L1 status				
Pos	53 (85.5%)	33 (94.3%)	20 (74.1%)	0.034
Neg	9 (14.5%)	2 (5.7%)	7 (25.9%)	