

Supplementary Table 1. Clinical information of patients who expired after salvage therapy (n=21) enrolled in the study

Characteristics	Patients, n (%)
Sex	
Male	19 (90.5)
Female	2 (9.5)
Age (years at first diagnosis)	
< 60	9 (42.9)
≥ 60	12 (57.1)
Smoking	
Yes	10 (47.6)
No	11 (53.4)
Alcohol	
Yes	8 (38.1)
No	13 (61.9)
Subsite	
Tonsil	15 (71.4)
Base of tongue	4 (19.0)
Soft palate	2 (9.5)
Surgical margin	
Negative	14 (66.7)
Positive	7 (33.3)
LVI	
Yes	6 (28.6)
No	15 (71.4)
PNI	
Yes	2 (9.5)
No	19 (90.5)
ENE	
Yes	11 (52.4)
No	10 (47.6)
T classification (pathological)-p16+	
1	0 (0)
2	4 (66.7)
3	2 (33.3)
4	0 (0)
N classification (pathological)-p16+	
0	2 (33.3)
1	1 (16.7)
2	3 (50.0)
3	0 (0)
T classification (pathological)-p16-	
1	5 (33.3)
2	9 (60.0)
3	1 (6.7)
4	0 (0)
N classification (pathological)-p16-	
0	5 (33.3)
1	1 (6.7)
2	4 (26.7)
3	5 (33.3)
NAC	
Yes	11 (52.4)
No	10 (47.6)
Adjuvant Tx	
None	6 (28.6)
RTx	4 (19.0)
CCRTx	11 (52.4)
Recur site	
Local	8 (38.1)
Regional	11 (52.4)
Loco-regional	2 (9.5)
Salvage Tx	
Surgery alone	3 (14.3)
CTx	6 (28.6)
CCRTx	6 (28.6)
Surgery+other Tx	6 (28.6)

LVI, lymphovascular invasion; PNI, perineural invasion; ENE, extranodal extension; CTx, chemotherapy; Tx, treatment; NAC, neoadjuvant chemotherapy; RTx, radiotherapy; CCRTx, concurrent chemoradiotherapy