

HPV-positive tumors n = 32	HPV-negative tumors n = 32
Gender Male : 25 Female : 7	Gender Male: 28 Female: 4
Primary Tumor Site Oral cavity : 3 Oropharynx : 25 Hypopharynx : 4	Primary tumor site Oral cavity : 4 Oropharynx : 24 Hypopharynx : 4
Tumor (T) staging T1 : 1 T2 : 8 T3 : 13 T4 : 10	Tumor (T) staging T1 : 2 T2 : 7 T3 : 10 T4 : 13
Lymph Node Involvement N0 : 8 N1 : 4 N2 : 17 N3 : 3	Lymph Node Involvement N0 : 10 N1 : 9 N2 : 12 N3 : 1
Metastasis M0 : 32 M1 : 0	Metastasis M0 : 31 M1 : 1
Treatment : - Organ preservation : 11 (chemoradiotherapy) - Surgery combined with radiotherapy ± chemotherapy : 18 - Monotherapy : 3	Treatment : - Organ preservation : 11 (chemoradiotherapy) - Surgery combined with radiotherapy ± chemotherapy : 15 Monotherapy : 6

Table S1 : Patient characteristics