

Supplementary Table 1. Univariate and multivariate analyses for overall survival in 83 patients in age \geq 70

| Characteristic | Univariate | | Multivariate | |
|-----------------------------|-------------------|----------------|------------------|----------------|
| | HR (95% CI) | <i>p</i> value | HR (95% CI) | <i>p</i> value |
| Gender | | | | |
| Male vs. female | Incalculable | 1.00 | | |
| ECOG PS | | | | |
| 2–3 vs. 0–1 | 2.39 (0.71–8.02) | 0.157 | | |
| Smoking history | | | | |
| Current or former vs. never | 1.31 (0.48–3.62) | 0.597 | | |
| Alcohol history | | | | |
| Drink vs. Do not drink | 1.21 (0.48–3.07) | 0.689 | | |
| HPV status | | | | |
| Positive vs. Negative | 0.18 (0.02–1.45) | 0.106 | | |
| Unknown vs. Negative | 0.53 (0.22–1.28) | 0.156 | | |
| Primary tumor location | | | | 0.002 |
| Oropharynx | 1 (reference) | | 1 (reference) | |
| Oral cavity | 3.83 (1.24–11.85) | 0.020 | 3.33 (1.54–7.22) | |
| Hypopharynx | 1.06 (0.23–4.75) | 0.943 | | |
| Larynx | 1.35 (0.34–5.40) | 0.675 | | |
| Others | 1.26 (0.23–2.97) | 0.787 | | |
| T classification | 1.06 (0.74–1.53) | 0.736 | | |
| N classification | 1.04 (0.60–1.80) | 0.897 | | |
| Induction chemotherapy | | | | |
| Yes vs. No | 0.75 (0.30–1.89) | 0.547 | | |
| Treatment strategy | | | | |
| CCRT | 1 (reference) | | | |
| Surgery | 1.61 (0.68–3.83) | 0.283 | | |
| Inadequate | 2.40 (0.79–7.25) | 0.121 | | |

HR, hazard ratio; CI, confidence interval; ECOG, Eastern Cooperative Oncology Group; PS, performance status; HPV, human papilloma virus; CCRT, concurrent chemoradiotherapy.