

Clinical and Experimental Otorhinolaryngology

Supplementary Table 4. Subanalysis of patients with three cycles of induction chemotherapy: prognostic factor for no pathological complete remission, tumor recurrence, death, and overall survival (n=12)

Measure ^{a)}	No pCR ^{b)}	Recurrence ^{b)}	Death ^{b)}	2-Year OS ^{c)}
Sex (male)	0.505	1.000	0.700	0.317
Age (<median 56 yr)	1.000	1.000	0.505	0.022*
Smoker (yes)	1.000	0.665	0.157	0.057
Alcohol abuse (yes)	0.121	0.584	0.371	0.052
BMI (<median 27)	0.079	0.408	0.091	0.172
Localization (cavity of mouth)	0.505	1.000	0.700	0.303
cT (T2 vs. T3–4)	0.588	0.679	0.310	0.894
cN (N+)	0.121	0.584	0.371	0.451
Grading (G3 vs. G1–2)	1.000	0.665	1.000	0.636
HPV (negative)	0.588	0.408	0.091	0.079
HPV+ and nonsmoker (no)	1.000	0.584	0.371	0.007
Laminin gamma 2 (low)	0.621	0.782	0.425	0.617
Alpha smooth muscle actin stroma (low)	0.621	0.782	0.338	0.743
Alpha smooth muscle actin in vessels (low)	0.558	0.098	0.018*	0.096
CD163 (high)	0.338	0.521	0.621	0.395
E-cadherin/membrane-bound (low)	0.046*	0.157	0.248	0.535
E-cadherin/cytoplasmatic (low)	0.558	0.408	0.735	0.150
N-cadherin	NA	NA	NA	NA
Stroma formation (high)	0.121	0.584	0.371	0.126
Inflammation (high)	0.558	0.679	0.310	0.222
Invasion front (high)	0.505	0.005*	0.001*	0.047*
Change ^{d)} laminin gamma 2 (not lower)	0.296	0.140	0.070	NA
Change alpha smooth muscle actin stroma (not lower)	0.558	0.679	0.735	0.217
Change E-cadherin/membrane (not lower)	NA	NA	NA	NA
Change E-cadherin/cytoplasmatic (not lower)	NA	NA	NA	NA
Change N-cadherin	NA	NA	NA	NA
Change stroma formation (not lower)	NA	NA	NA	NA
Change inflammation (not lower)	NA	NA	NA	NA
Change invasion front (not lower)	NA	NA	NA	NA

pCR, pathological complete response; OS, overall survival; BMI, body mass index; HPV, human papilloma virus; NA, not applied.

^{a)}Parameters dichotomized, inferior category in brackets. ^{b)}Chi-square test. ^{c)}Log-rank test. ^{d)}Comparison of pre-induction chemotherapy vs. post-induction chemotherapy.

* $P < 0.05$.