

**Supplementary Table S1:** Adjusted Cox modeling of intratumoral and normalized nerve density in tongue SCC\*

Parameter	N	P-value	DSS
			HR [CI]
<b>By <u>number</u> of nerves</b>			
Intratumoral nerve density (IND)	77	<b>0.024</b>	<b>3.12 [1.16, 8.37]</b>
Normalized nerve density (NND)	77	<b>0.011</b>	<b>4.08 [1.38, 12.09]</b>
<b>By total <u>area</u> of nerves</b>			
Intratumoral nerve density (IND)	77	<b>0.034</b>	<b>1.97 [1.05, 3.69]</b>
Normalized nerve density (NND)	77	<b>0.037</b>	<b>2.08 [1.04, 4.14]</b>

\* Adjusted for tumor clinical stage (AJCC 7<sup>th</sup> edition), differentiation, and comorbidities.

HR = hazard ratio

CI = 95% confidence interval

Values in bold indicate significance at  $p < 0.05$

IND and NND values were log-transformed to fit the model