S3 Table. Cox proportional hazard model for progression-free survival

Variable	Reference	Univariate analysis				
		Parameter estimate	Standard error	Hazard ratio (HR)	95% CI for HR	p-value
Age						
≥75 yr	<75 yr	–0.4494	0.2295	0.64	0.41-1.00	0.0502
Smoking history						
Former or Current	Never	–0.2248	0.1371	0.80	0.61-1.04	0.1010
Histology						
Squamous cell carcinoma	Adenocarcinoma	–0.2685	0.1465	0.76	0.57-1.02	0.0668
Brain metastasis						
Yes	No	0.1093	0.1647	1.12	0.81-1.54	0.5070
Liver metastasis						
Yes	No	0.3027	0.2017	1.35	0.91-2.01	0.1334
ECOG PS						
2	0-1	0.2760	0.1962	1.32	0.90-1.94	0.1595
Previous treatment line (1, ≥ 2)						
≥2	1	0.2238	0.1478	1.25	0.94-1.67	0.1299
Immune-related AE						
Yes	No	–0.7697	0.1494	0.46	0.35-0.62	**< 0.001**
EGFR						
Positive	Negative	0.0666	0.2050	1.07	0.72-1.60	0.7453

CI, confidence interval; ECOG PS, Eastern Cooperative Oncology Group performance status; AE, adverse effect; EGFR, epidermal growth factor receptor.