

Table 1 Univariate and multivariate Cox regression analysis of NKX2-1-AS1 and survival in patients with gastric cancer

Clinical variables	Univariate analysis		P value	Multivariate analysis		P value
	HR	95% CI		HR	95% CI	
Overall Survival						
Gender (Male vs. Female)	0.736	0.498-1.196	0.276			
Age (≥ 60 y vs. < 60 y)	0.949	0.621-1.448	0.936			
Tumor location (Down vs. Upper/Middle)	0.806	0.518-	0.293			
Tumor size (≥ 5 cm vs. < 5 cm)	1.521	1.020-2.276	0.134			
Differentiation (Poor vs. Moderate/Well)	1.845	0.937-3.745	0.071			
T stage (T3-T4 vs. T1-T2)	4.245	1.640-11.018	0.005			
N stage (N2-N3 vs. N0-N1)	2.317	1.287-3.546	0.002			
TNM stage (III-IV vs. II-I)	3.898	2.136-6.945	< 0.001	2.745	1.575-5.136	0.004
Distant metastasis (Yes vs. No)	3.389	1.955-5.896	< 0.001	2.054	1.201-3.634	0.008
Infiltration of peritumoral tissues (Yes vs. No)	2.753	1.743-3.845	< 0.001	1.934	1.245-3.121	0.003
Peritoneum dissemination (Yes vs. No)	3.834	2.034-7.145	< 0.001			
NKX2-1-AS1 expression (high vs. low)	3.586	2.612-4.481	< 0.001	3.832	2.971-5.016	0.005
Progression-Free Survival						
Gender (Male vs. Female)	0.856	0.534-1.319	0.390			
Age (≥ 60 y vs. < 60 y)	0.813	0.498-1.289	0.359			
Tumor location (Down vs. Upper/Middle)	0.764	0.491-1.125	0.163			
Tumor size (≥ 5 cm vs. < 5 cm)	1.296	0.759-1.868	0.387			
Differentiation (Poor vs. Moderate/Well)	1.176	0.618-2.065	0.721			
T stage (T3-T4 vs. T1-T2)	5.780	1.792-17.265	0.003			
N stage (N2-N3 vs. N0-N1)	2.578	1.389-4.179	0.002			
TNM stage (III-IV vs. II-I)	3.619	1.895-6.191	< 0.001	2.571	1.378-4.701	0.002
Distant metastasis (Yes vs. No)	3.197	1.765-5.329	< 0.001	1.921	1.102-3.397	0.037
Infiltration of peritumoral tissues (Yes vs. No)	2.486	1.576-3.793	< 0.001	1.846	1.138-2.878	0.009
Peritoneum dissemination (Yes vs. No)	2.354	1.104-4.943	0.039			
NKX2-1-AS1 expression (high vs. low)	3.190	2.229-4.017	< 0.001	3.374	2.273-4.389	0.001

NOTE: TNM tumour node metastasis. HR hazard ratio, CI confidence interval. The bold type represents P values smaller than 0.05