

**Table S1** The univariate and multivariate Cox analysis of overall survival in elderly gastric cancer patients who underwent proximal gastrectomy

Variables	Univariate analysis			Multivariate analysis		
	HR	95% CI	P value	HR	95% CI	P value
Age	1.052	1.025-1.080	<0.001	1.033	1.005-1.062	0.02
Sex						
Female		Reference				
Male	0.961	0.765-1.207	0.73			
Race						
White		Reference			Reference	
Black	1.168	0.779-1.753	0.45	0.790	0.507-1.230	0.30
Asian or Pacific Islander	0.763	0.564-1.033	0.08	0.610	0.444-0.838	0.002
American Indian/Alaska Native						
Months from diagnosis to treatment						
≤1 month		Reference			Reference	
>1 month	0.697	0.544-0.893	0.004	0.757	0.582-0.985	0.04
Tumor size						
<5 cm		Reference			Reference	
≥5 cm	1.545	1.236-1.932	<0.001	0.971	0.751-1.254	0.82
Differentiation						
G1		Reference			Reference	
G2	1.085	0.693-1.700	0.72	0.769	0.472-1.253	0.29
G3	1.931	1.260-2.960	0.003	1.126	0.698-1.815	0.63
G4	2.809	1.069-7.386	0.04	2.688	0.987-7.323	0.053
T stage						
1		Reference			Reference	
2	2.387	1.772-3.217	<0.001	1.686	1.201-2.366	0.003
3	2.141	1.566-2.926	<0.001	1.532	1.071-2.193	0.02
4	4.092	2.709-6.181	<0.001	2.332	1.426-3.814	0.001
N stage						
0		Reference			Reference	
1	1.555	1.168-2.069	0.002	1.276	0.940-1.732	0.12
2	3.205	2.327-4.414	<0.001	2.961	2.083-4.207	<0.001
3	3.875	2.813-5.338	<0.001	3.456	2.381-5.017	<0.001
Preoperative radiotherapy						
No		Reference				
Yes	1.080	0.736-1.585	0.70			
Preoperative chemotherapy						
No		Reference				
Yes	1.005	0.720-1.402	0.98			
Postoperative chemotherapy						
No/unknown		Reference				
Yes	0.951	0.748-1.208	0.68			
Postoperative radiotherapy						
No/unknown		Reference				
Yes	0.900	0.648-1.251	0.53			
ELN						
<15		Reference			Reference	
≥15	0.782	0.627-0.977	0.03	0.609	0.477-0.778	<0.001

ELN, examined lymph node; HR, hazard ratio; CI, confidence interval.

**Table S2** The univariate and multivariate Cox analysis of overall survival in elderly gastric cancer patients who underwent distal gastrectomy

Variables	Univariate analysis			Multivariate analysis		
	HR	95% CI	P value	HR	95% CI	P value
Age	1.049	1.033-1.066	<0.001	1.041	1.023-1.060	<0.001
Sex						
Female		Reference			Reference	
Male	0.849	0.724-0.994	0.042	0.772	0.651-0.915	0.003
Race						
White		Reference			Reference	
Black	1.020	0.798-1.304	0.87	1.118	0.867-1.441	0.39
Asian or Pacific Islander	0.809	0.677-0.968	0.02	0.722	0.601-0.868	0.001
American Indian/Alaska Native	1.643	0.613-4.406	0.32	0.883	0.316-2.469	0.81
Months from diagnosis to treatment						
≤1 month		Reference			Reference	
>1 month	0.678	0.556-0.825	<0.001	0.734	0.598-0.900	0.003
Tumor size						
<5 cm		Reference			Reference	
≥5 cm	1.388	1.182-1.630	<0.001	1.005	0.841-1.202	0.95
Differentiation						
G1		Reference			Reference	
G2	1.215	0.824-1.792	0.33	0.983	0.660-1.465	0.93
G3	1.560	1.069-2.277	0.02	1.127	0.757-1.677	0.56
G4	1.623	0.857-3.075	0.14	1.429	0.742-2.752	0.29
T stage						
1		Reference			Reference	
2	1.695	1.365-2.105	<0.001	1.155	0.905-1.473	0.25
3	2.357	1.875-2.964	<0.001	1.520	1.158-1.994	0.003
4	3.339	2.584-4.313	<0.001	1.898	1.399-2.575	<0.001
N stage						
0		Reference			Reference	
1	1.975	1.619-2.411	<0.001	2.181	1.754-2.710	<0.001
2	2.330	1.854-2.928	<0.001	2.514	1.158-2.994	<0.001
3	3.374	2.658-4.281	<0.001	4.006	1.399-4.575	<0.001
Preoperative radiotherapy						
No		Reference			Reference	
Yes	2.685	1.109-6.500	0.03	2.273	0.920-5.612	0.08
Preoperative chemotherapy						
No		Reference			Reference	
Yes	1.055	0.695-1.601	0.80			
Postoperative chemotherapy						
No/unknown		Reference			Reference	
Yes	0.852	0.698-1.039	0.11			
Postoperative radiotherapy						
No/unknown		Reference			Reference	
Yes	0.735	0.580-0.935	0.01	0.435	0.333-0.567	<0.001
ELN						
<15		Reference			Reference	
≥15	0.856	0.728-1.005	0.058	0.733	0.618-0.870	<0.001

ELN, examined lymph node; HR, hazard ratio; CI, confidence interval.